

Ammeraal Beltech Modular

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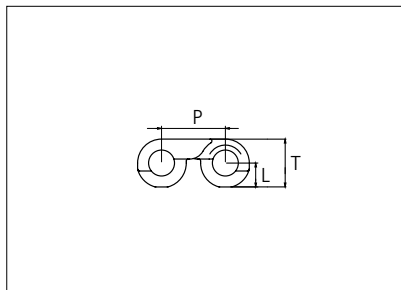
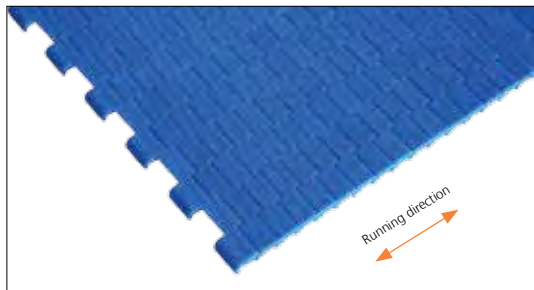
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Plastic Modular Belt

Serie **uni NTB** Type **C**



Straight Running Belt
 Nominal pitch: 8.0 mm (0.32 in)
 Surface type: Flat
 Surface opening: Closed
 Backflex radius: R6 mm (0.24 in)
 Pin diameter: 3.0 mm (0.12 in)

Belt material & color	POM-D B		mm	in		mm	in
Pin material & color	PA6.6 B	P (Nominal)	8.0	0.32	T	6.00	0.24
		L	3.00	0.12	-	-	-

Non standard material and color: See uni Material and Color Overview.

Belt width		Permissible tensile force (Belt/pin material)		Belt weight (Belt/pin material)		*Min No drive sprocket per shaft	Number of wear strips (min no)	
		POM-D/PA6.6		POM-D/PA6.6			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	Kg/m	lb/ft			
153	6.0	337	76	0.7	0.49	2	2	2
229	9.0	504	113	1.1	0.73	3	3	2
305	12.0	671	151	1.5	0.98	4	4	2
381	15.0	838	188	1.8	1.22	4	4	2
458	18.0	1008	227	2.2	1.47	5	5	3
534	21.0	1175	264	2.5	1.71	6	6	3
610	24.0	1342	302	2.9	1.95	7	7	4
686	27.0	1509	339	3.3	2.19	7	7	4
762	30.0	1676	377	3.6	2.44	8	8	4
839	33.0	1846	415	4.0	2.68	9	9	5
915	36.0	2013	453	4.4	2.93	10	10	5
991	39.0	2180	490	4.7	3.17	10	10	5

Additional standard belt widths are available in steps of 76.2 mm (3.00 in). Additional non-standard belt widths are available in steps of 25.4 mm (1.00 in).

1448	57.0	3186	716	6.9	4.63	15	15	8
------	------	------	-----	-----	------	----	----	---

Additional standard belt widths are available in steps of 76.2 mm (3.00 in). Additional non-standard belt widths are available in steps of 25.4 mm (1.00 in).

1982	78.0	4360	980	9.4	6.34	20	20	10
------	------	------	-----	-----	------	----	----	----

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.

*Max. Load per Drive Sprocket. Belt material: POM-D 200N (44 lbf).

**Max. Spacing between wear strips, Carry: 102 mm (4 in); Return: 203 mm (8 in).

= Single Link



STANDARD

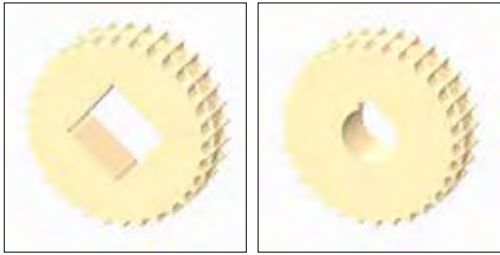
STRAIGHT RUNNING

PITCH 8.0 MM/0.32 IN

Sprocket

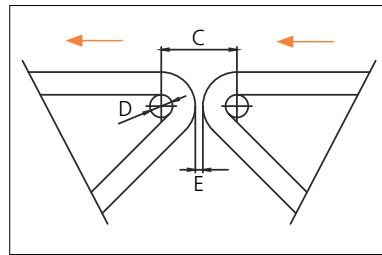
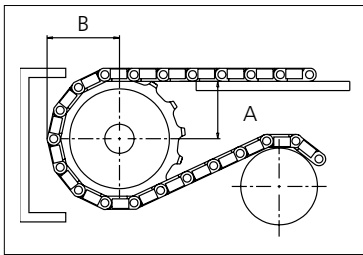
No. of teeth	Bore size										Overall diameter		Pitch diameter		Hub diameter		Dimension A		Dimension B		Single row/Two way	Double row/Two way	Molded PA6 LG	Machined PA6 N
	Pilot bore		0.75	0.78	0.98	1.00	1.18	1.25	1.50	1.57														
	mm	in	19.1	20.0	25.0	25.4	30.0	31.8	38.1	40.0	mm	in	mm	in	mm	in	mm	in						
Z24	x		●		●						61.3	2.41	61.3	2.41	0	0	27.38	1.08	33.65	1.32		x		x
Z32	x		●							■	81.6	3.21	81.7	3.21	0	0	37.61	1-48	43.8	1.72		x		x
Z48	x		●							■	122.7	4.83	122.4	4.81	0	0	58.03	2.28	64.16	2.52		x		x
Z60	x		●							■	152.9	6.02	152.9	6.02	0	0	73.32	2.88	79.43	3.13		x		x

■ Machined sprocket ● Machined sprocket



Non standard material and color: See uni Material and Color Overview.

Nosebars Min. Dimensions



	mm	in
C	20.0	0.79
D	6.0	0.24
E	2.0	0.08

Other sprocket sizes are available upon request.
 Round bores are always delivered with keyway.
 Other bore sizes are available upon request.
 uni Retainer Rings: See uni Retainer Ring data sheet.
 Width of tooth = 9.0 mm (0.35 in)
 Width of sprocket = 25.0 mm (0.98 in)

Max load per sprocket shown does not take bore size into account.
 Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni NTB.
 For more detailed sprocket information, contact Customer Service.

uni NTB C/1410



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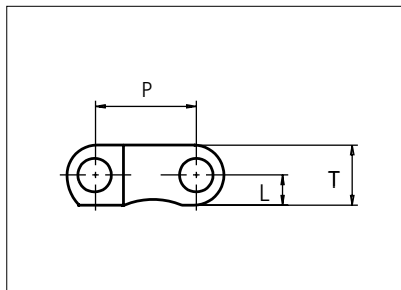
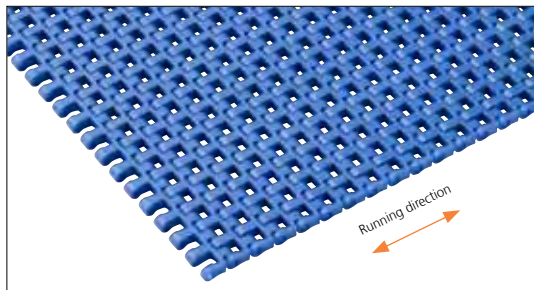
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Plastic Modular Belt

Serie **uni M-TTB** Type **37%**



Straight Running
 Nominal pitch: 12.7 mm (0.50 in)
 Surface type: Flat
 Surface opening: 37%
 Backflex radius: 12.5 mm (0.49 in)
 Min flex diameter (nosebar): 19.1 mm (0.75 in)
 Pin diameter: 4.0 mm (0.16 in)

Belt material & color	PP W B G	POM-D W B
Pin material & color	PP W	PA6.6 B

	mm	in		mm	in
P (Nominal)	12.7	0.50	T	7.5	0.29
L	3.8	0.15	-	-	-

Non standard material and color: See uni Material and Color Overview.

Alternative pin material: PA6.6 B PP W

Belt width		Permissible tensile force (Belt/pin material)				Belt weight (Belt/pin material)				*Min No drive sprocket per haft	Number of wear strips (min no)	
		POM-D/PA6.6		PP/PP		POM-D/PA6.6		PP/PP			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft			
77	3.0	1733	389	1001	225	0.4	0.30	0.3	0.22	2	2	2
154	6.1	3464	779	2002	450	0.9	0.60	0.6	0.43	2	2	2
231	9.1	5196	1168	3002	675	1.3	0.90	1.0	0.65	3	2	2
308	12.1	6927	1557	4003	900	1.8	1.20	1.3	0.87	4	3	2
385	15.2	8659	1947	5003	1125	2.2	1.50	1.6	1.09	4	3	2
462	18.2	10391	2336	6004	1350	2.7	1.80	1.9	1.30	5	4	2
539	21.2	12122	2725	7004	1575	3.1	2.10	2.3	1.52	6	4	2
616	24.2	13854	3114	8005	1799	3.6	2.40	2.6	1.74	7	5	3
693	27.3	15586	3504	9005	2024	4.0	2.70	2.9	1.96	7	5	3
770	30.3	17317	3893	10006	2249	4.5	3.00	3.2	2.17	8	6	3
847	33.3	19049	4282	11006	2474	4.9	3.30	3.6	2.39	9	6	3
924	36.4	20781	4671	12007	2699	5.4	3.60	3.9	2.61	10	7	4
1001	39.4	22512	5061	13007	2924	5.8	3.90	4.2	2.82	11	7	4

Additional standard belt widths are available in steps of 77.0 mm (3.03 in.) Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in)

2002	78.8	45045	10126	26026	5851	11.6	7.80	8.4	5.65	21	14	7
------	------	-------	-------	-------	------	------	------	-----	------	----	----	---

Additional standard belt widths are available in steps of 77.0 mm (3.03 in.) Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in)

2925	115.2	65813	14795	38025	8548	17.0	11.40	12.3	8.26	30	20	10
------	-------	-------	-------	-------	------	------	-------	------	------	----	----	----

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.

*Max. Load per Drive Sprocket. Belt material: POM-D 1500 N (337 lbf), PP 1000 N (225 lbf).

**Max. Spacing between wear strips, Carry: 152 mm (6 in); Return: 304 mm (12 in)

= Single Link



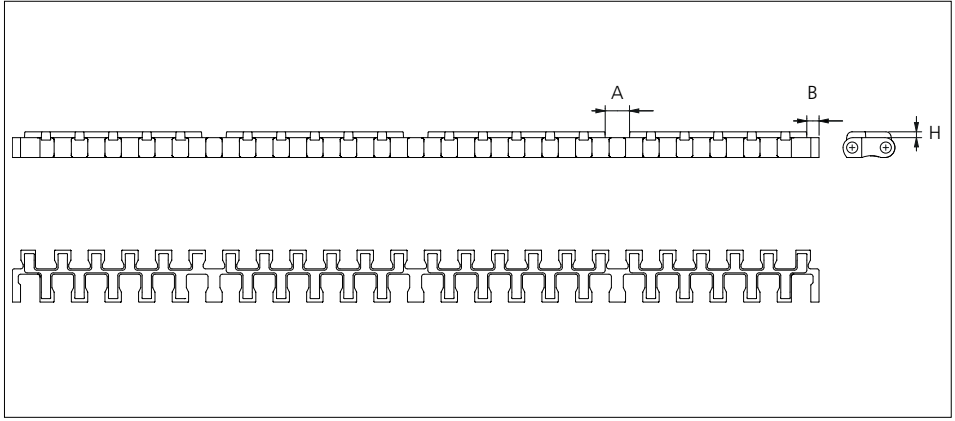
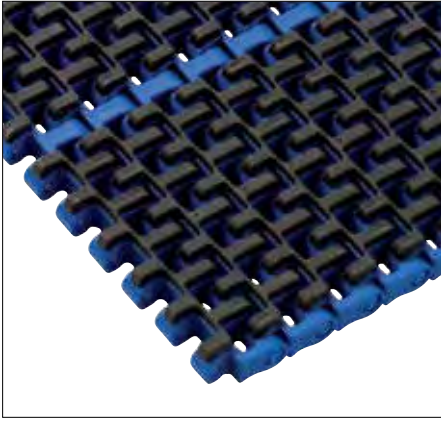
STANDARD

STRAIGHT RUNNING

PITCH 12.7 MM/0.50 IN

Accessories

Rubber Top

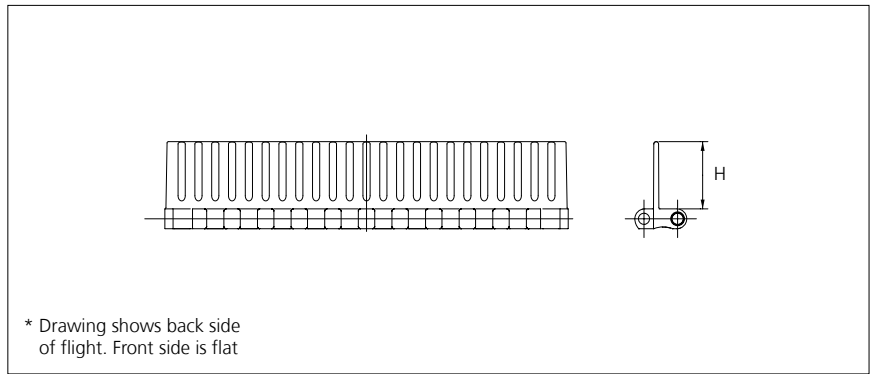
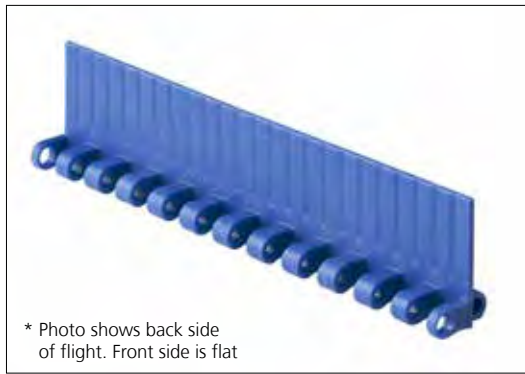


Type	Belt material & color	Rubber material & color	A		B		H		Link size	Width	
			mm	in	mm	in	mm	in		mm	in
Flat	PP W	03 W	9.2	0.36	4.6	0.18	2.2	0.09	K1200	308.0	12.1
	PP B	03 K									
	PP G	03 K									

Other Non Standard Rubber profiles: See uni Rubber Profile Overview.

Accessories

Flight



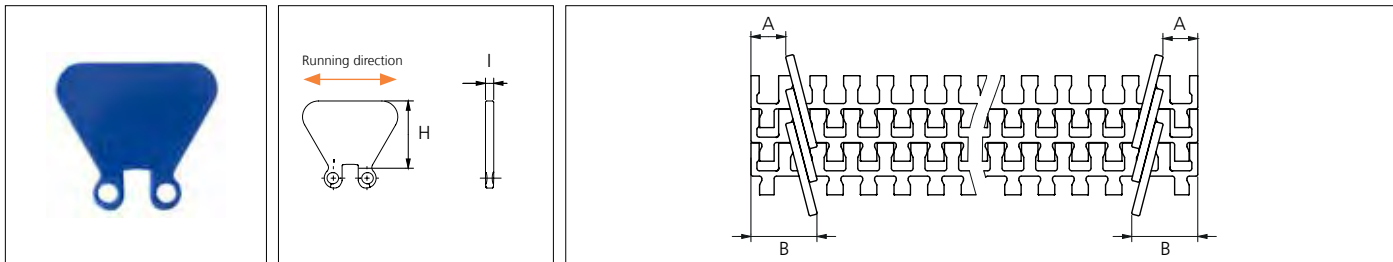
Type	Material & color	H		Link size	Width	
		mm	in		mm	in
Flat/Non Stick*	POM-D W B	25.4	1.00	K600	152.0	5.98

Non standard material and color: See uni Material and Color Overview.

Minimum indent is for uni M-TTB flight 0 mm. Increment: 25.4 mm (1.00 in).

Accessories

Side Guard

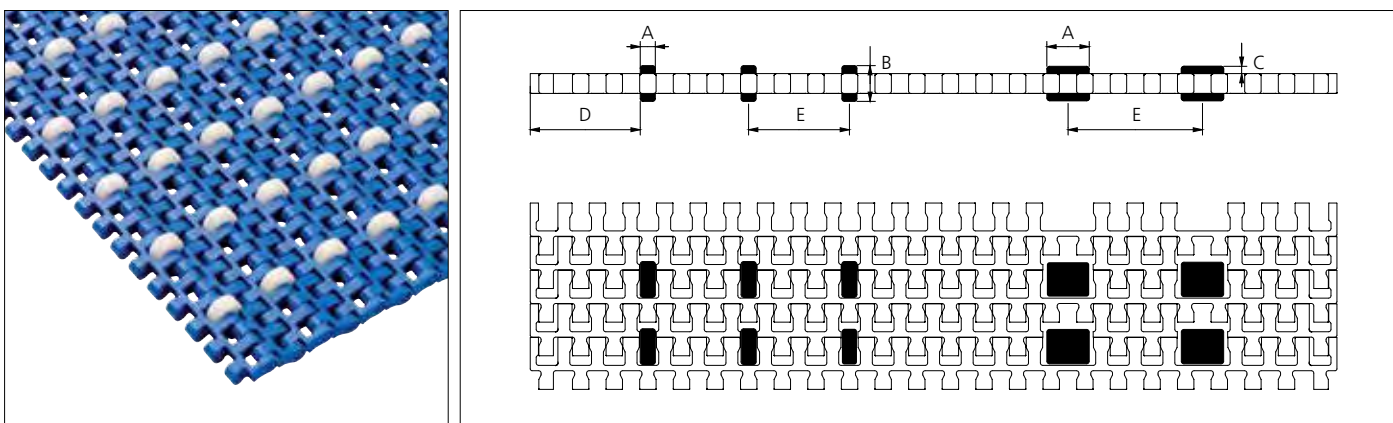


Type	Material & color	*A		B		H		I	
		mm	in	mm	in	mm	in	mm	in
Closed	POM-D W B	13.0	0.50	25.0	0.98	25.4	1.00	3.1	0.12

Non standard material and color: See uni Material and Color Overview.
 *Minimum indent is for uni M-TTB Side Guard. Increment: 12.7 mm (0.50 in).

Accessories

Roller



Type	Roller material & color	A		B		C		D (min)		E (min)	
		mm	in	mm	in	mm	in	mm	in	mm	in
Plastic	POM-D W	5.7	0.22	13.0	0.51	2.75	0.11	22.0	0.87	25.4	1.00
		10.5	0.41	13.0	0.51	2.75	0.11	22.0	0.87	25.4	1.00
		16.0	0.62	13.0	0.51	2.75	0.11	22.0	0.87	38.1	1.50

Non standard Roller material and color: See uni Material and Color Overview.

Accessories

Non standard uni AmFlight for uni M-TTB



Other non standard option: See uni Amflight Overview.

Sprocket

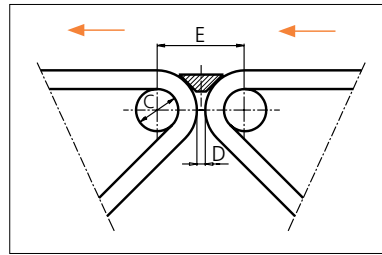
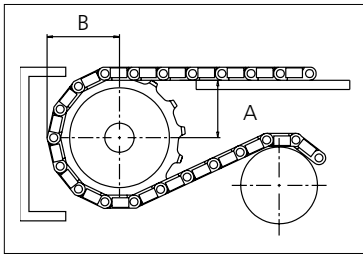
No. of teeth	Bore size										Overall diameter		Pitch diameter		Hub diameter		A-dimension		B-dimension		Single row/Two way	Double row/Two way	Molded PA6 LG	Machined PA6 N
	Pilot bore	in	0.75	0.78	0.98	1.00	1.18	1.25	1.50	1.57														
	mm	19.1	20.0	25.0	25.4	30.0	31.8	38.1	40.0	mm	in	mm	in	mm	in	mm	in	mm	in					
Z12	x		●	●							52.0	2.05	49.1	1.93	40.7	1.60	20.0	0.79	28.2	1.11		x		x
Z15	x				●	●					64.6	2.54	61.1	2.41	53.3	2.10	26.1	1.03	34.2	1.35		x		x
Z19	x									■	80.1	3.15	77.2	3.04	68.8	2.71	34.3	1.35	42.3	1.66	x		x	
Z24	x			●	●	●	●	●	■	■	102.1	4.02	97.3	3.83	90.8	3.57	44.5	1.75	52.4	2.06		x		x
Z36	x								■	■	152.3	6.01	145.7	5.74	141.0	5.55	68.8	2.71	76.6	3.01		x		x

■ Molded sprocket ■ Machined sprocket ● Machined sprocket



Non standard material and color: See uni Material and Color Overview.

Nosebars Min. Dimensions



	mm	in
C	19.0	0.75
D	4.0	0.16
E	40.6	1.60

Other sprocket sizes are available upon request.
 Two-part sprocket are available upon request.
 Round bores are always delivered with keyway.
 Other bore sizes are available upon request.
 uni Retainer Rings: See uni Retainer Ring data sheet.
 Width of tooth = 6.5 mm (0.26 in)
 Width of sprocket = Single row: 17.5 mm (0.69 in)
 Double row: 30.0 mm (1.18 in)

Max load per sprocket shown does not take bore size into account.
 Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni M-TTB.
 For more detailed sprocket information, contact Customer Service.

uni M-TTB 37%/1409



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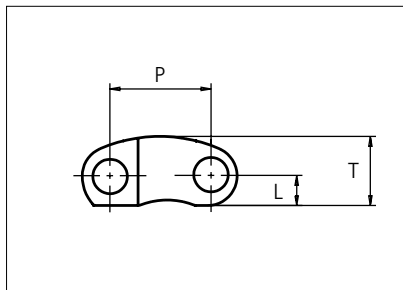
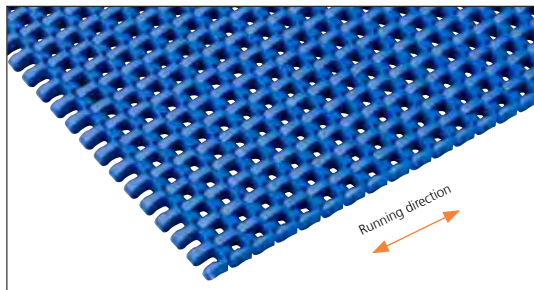
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Plastic Modular Belt

Serie **uni M-TTB** Type **37% CS**



Straight Running
 Nominal pitch: 12.7 mm (0.50 in)
 Surface type: Curved
 Surface opening: 37%
 Backflex radius: 12.5 mm (0.49 in)
 Min flex diameter (nosebar): 19.1 mm (0.75 in)
 Pin diameter: 4.0 mm (0.16 in)
 Curved surface makes perfect circle when 25.4 mm (1.00 in) flex diameter is applied.

Belt material & color	PP B		mm	in		mm	in
Pin material & colors	PP W		P (Nominal)	12.7	0.50	T	8.8 / 0.35
			L	3.8	0.15	-	- / -

Non standard material and color: See uni Material and Color Overview.

Alternative pin material: PA6.6 **B**

Belt width		Permissible tensile force (Belt/pin material)		Belt weight (Belt/pin material)		*Min No drive sprocket per haft	Number of wear strips (min no)	
mm	in	N	lbf	kg/m	lb/ft		**Carry (pcs)	**Return (pcs)
77	3.0	1001	225	0.3	0.22	2	2	2
154	6.1	2002	450	0.6	0.43	2	2	2
231	9.1	3002	675	1.0	0.65	3	2	2
308	12.1	4003	900	1.3	0.87	4	3	2
385	15.2	5003	1125	1.6	1.09	4	3	2
462	18.2	6004	1350	1.9	1.30	5	4	2
539	21.2	7004	1575	2.3	1.52	6	4	2
616	24.2	8005	1799	2.6	1.74	7	5	3
693	27.3	9005	2024	2.9	1.96	7	5	3
770	30.3	10006	2249	3.2	2.17	8	6	3
847	33.3	11006	2474	3.6	2.39	9	6	3
924	36.4	12007	2699	3.9	2.61	10	7	4
1001	39.4	13007	2924	4.2	2.82	11	7	4

Additional standard belt widths are available in steps of 77.0 mm (3.03 in.) Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in)

2002	78.8	26026	5851	8.4	5.65	21	14	7
------	------	-------	------	-----	------	----	----	---

Additional standard belt widths are available in steps of 77.0 mm (3.03 in.) Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in)

1925	75.8	25025	5626	8.1	5.43	20	13	7
------	------	-------	------	-----	------	----	----	---

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.

*Max. Load per Drive Sprocket. Belt material: PP 1000 N (225 lbf)

**Max. Spacing between wear strips. Carry: 152 mm (6 in); Return: 304 mm (12 in)

□ = Single Link



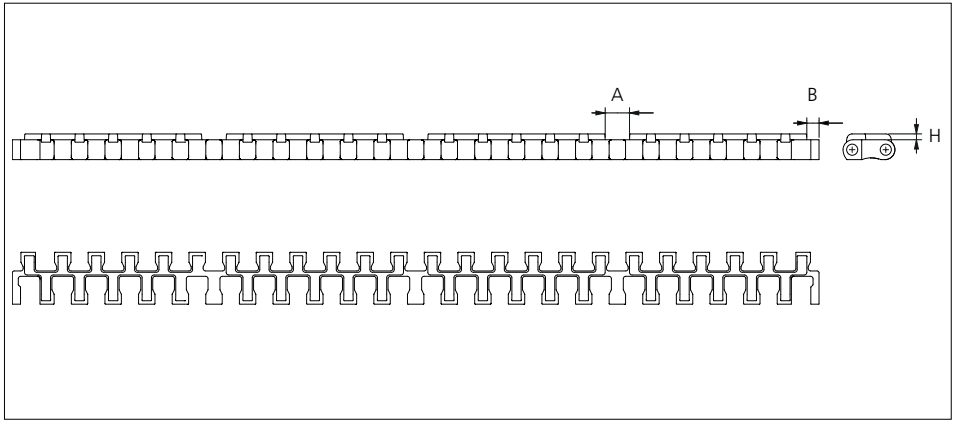
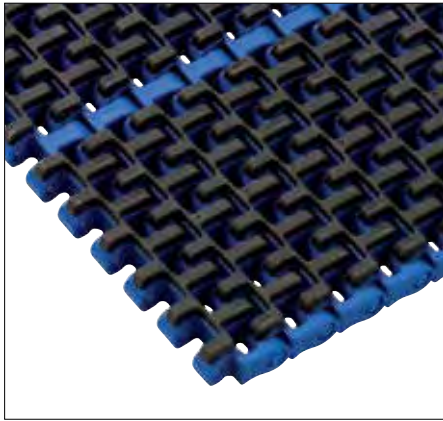
STANDARD

STRAIGHT RUNNING

PITCH 12.7 MM/0.50 IN

Accessories

Rubber Top

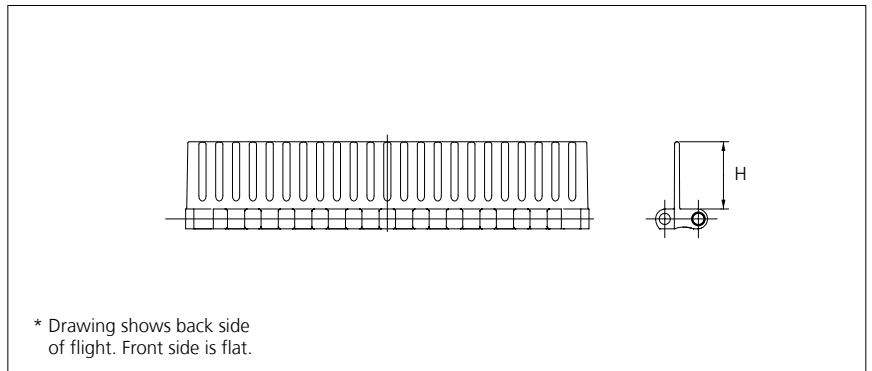


Type	Belt material & color	Rubber material & color	A		B		H		Link size	Width	
			mm	in	mm	in	mm	in		mm	in
Flat	PP W	03 W	9.2	0.36	4.6	0.18	2.2	0.09	K1200	308.0	12.1
	PP B	03 K									
	PP G	03 K									

Other Non Standard Rubber profiles: See uni Rubber Profile Overview.

Accessories

Flight



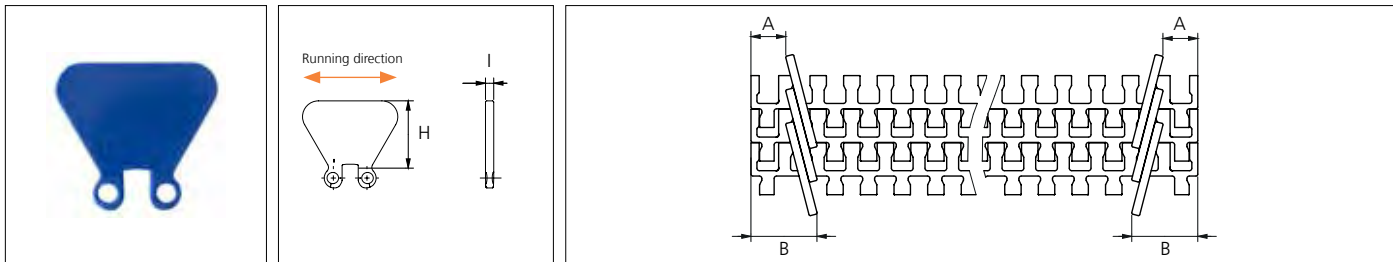
Type	Material & color	H		Link size	Width	
		mm	in		mm	in
Flat/Non Stick*	POM-D W B	25.4	1.00	K600	152.0	5.98

Non standard material and color: See uni Material and Color Overview.

Minimum indent is for uni M-TTB flight 0 mm. Increment: 25.4 mm (1.00 in).

Accessories

Side Guard



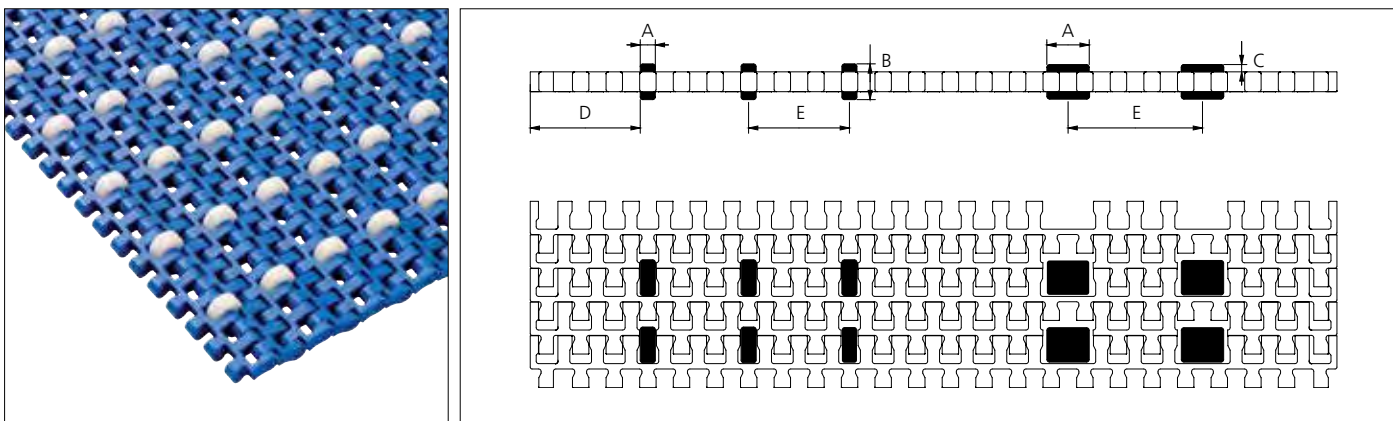
Type	Material & color	*A		B		H		I	
		mm	in	mm	in	mm	in	mm	in
Closed	POM-D W B	13.0	0.50	25.0	0.98	25.4	1.00	3.1	0.12

Non standard material and color: See uni Material and Color Overview.

*Minimum indent is for uni M-TTB Side Guard. Increment: 12.7 mm (0.50 in).

Accessories

Roller



Type	Roller material & color	A		B		C		D (min)		E (min)	
		mm	in	mm	in	mm	in	mm	in	mm	in
Plastic	POM-D W	5.7	0.22	13.0	0.51	2.75	0.11	22.0	0.87	25.4	1.00
		10.5	0.41	13.0	0.51	2.75	0.11	22.0	0.87	25.4	1.00
		16.0	0.62	13.0	0.51	2.75	0.11	22.0	0.87	38.1	1.50

Non standard Roller material and color: See uni Material and Color Overview.

Sprocket

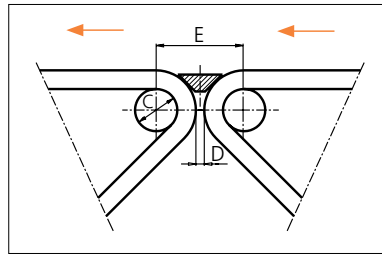
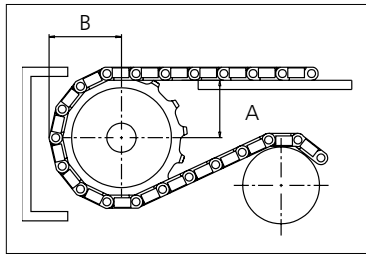
No. of teeth	Bore size										Overall diameter		Pitch diameter		Hub diameter		A-dimension		B-dimension		Single row/Two way	Double row/Two way	Molded PAG LG	Machined PAG N
	Pilot bore	in	0.75	0.78	0.98	1.00	1.18	1.25	1.50	1.57														
	mm	19.1	20.0	25.0	25.4	30.0	31.8	38.1	40.0	mm	in	mm	in	mm	in	mm	in	mm	in					
Z12	x		●	●							52.0	2.05	49.1	1.93	40.7	1.60	20.0	0.79	28.2	1.11		x		x
Z15	x				●	●					64.6	2.54	61.1	2.41	53.3	2.10	26.1	1.03	34.2	1.35		x		x
Z19	x								■		80.1	3.15	77.2	3.04	68.8	2.71	34.3	1.35	42.3	1.66	x		x	
Z24	x		●	●	●	●	●	■	■		102.1	4.02	97.3	3.83	90.8	3.57	44.5	1.75	52.4	2.06		x		x
Z36	x								■	■	152.3	6.01	145.7	5.74	141.0	5.55	68.8	2.71	76.6	3.01		x		x

■ Molded sprocket ■ Machined sprocket ● Machined sprocket



Non standard material and color: See uni Material and Color Overview.

Nosebars Min. Dimensions



	mm	in
C	19.0	0.75
D	4.0	0.16
E	43.2	1.70

Other sprocket sizes are available upon request.
 Two-part sprocket are available upon request.
 Round bores are always delivered with keyway.
 Other bore sizes are available upon request.
 uni Retainer Rings: See uni Retainer Ring data sheet.
 Width of tooth = 6.5 mm (0.26 in)
 Width of sprocket = Single row: 17.5 mm (0.69 in)
 Double row: 30.0 mm (1.18 in)

Max load per sprocket shown does not take bore size into account.
 Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni M-TTB.
 For more detailed sprocket information, contact Customer Service.

uni M-TTB 37% CS/1409



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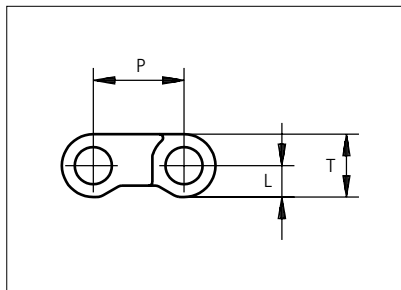
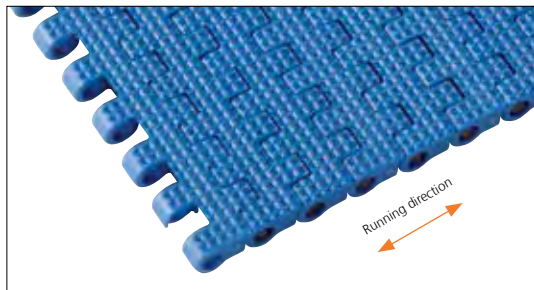
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Plastic Modular Belt

Series **uni M-QNB** Type **NS**



Straight running belt
 Nominal pitch: 12.7 mm (0.50 in)
 Surface type: Flat
 Surface opening: Closed
 Backflex radius: 20.0 mm (0.80 in)
 Pin diameter: 5 mm (0.20 in)

Belt material & color	POM-SLF B	POM-SLF W	PE B	mm	in	mm	in		
				P (Nominal)	12.7	0.50	T	8.8	0.35
Pin material & color	PP B	PP W	PE N	L	4.4	0.17	-	-	-

Non standard material and color: See uni Material and Color Overview.

Alternative pin and lock materials: Lockpin: PBT **LG** PA6.6 **N** **D** PP **B** PE **N**

Belt width		Permissible tensile force (Belt/pin material)				Belt weight (Belt/pin material)				*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-SLF/PP		PE/PE		POM-SLF/PP		PE/PE			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft			
77	3.0	1463	329	616	138	0.6	0.42	0.5	0.31	2	2	2
153	6.0	2907	653	1224	275	1.3	0.84	0.9	0.61	2	2	2
229	9.0	4351	978	1832	412	1.9	1.26	1.4	0.91	3	2	2
305	12.0	5795	1303	2440	549	2.5	1.68	1.8	1.21	4	3	2
382	15.0	7258	1632	3056	687	3.1	2.11	2.3	1.51	4	3	2
458	18.0	8702	1956	3664	824	3.8	2.52	2.7	1.82	5	4	2
534	21.0	10146	2281	4272	960	4.4	2.94	3.2	2.12	6	4	2
610	24.0	11590	2605	4880	1097	5.0	3.36	3.6	2.42	7	5	3
687	27.0	13053	2934	5496	1236	5.6	3.79	4.1	2.72	7	5	3
763	30.0	14497	3259	6104	1372	6.3	4.20	4.5	3.03	8	6	3
839	33.0	15941	3584	6712	1509	6.9	4.62	5.0	3.33	9	6	3
915	36.0	17385	3908	7320	1646	7.5	5.04	5.4	3.63	10	7	4
992	39.1	18848	4237	7936	1784	8.1	5.47	5.9	3.93	10	7	4

Additional standard belt widths are available in steps of 76.3 mm (3.00 in.) Additional non-standard belt widths are available in steps of 38.1 mm (1.50 in.)

1983	78.1	37677	8470	15864	3566	16.3	10.93	11.7	7.86	20	14	7
------	------	-------	------	-------	------	------	-------	------	------	----	----	---

Additional standard belt widths are available in steps of 76.3 mm (3.00 in.) Additional non-standard belt widths are available in steps of 38.1 mm (1.50 in.)

2974	117.1	56506	12703	23792	5348	24.4	16.39	17.5	11.79	30	20	10
------	-------	-------	-------	-------	------	------	-------	------	-------	----	----	----

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.

*Max. Load per Drive Sprocket. Belt material: POM-SLF 1000 N (225 lbf), PE 800 N (180 lbf)

**Max. Spacing between wear strips, Carry: 152 mm (6 in); Return: 304 mm (12 in)

= Single Link



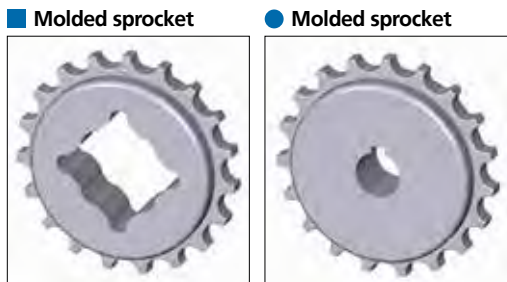
STANDARD

STRAIGHT RUNNING

PITCH 12.7 MM/0.50 IN

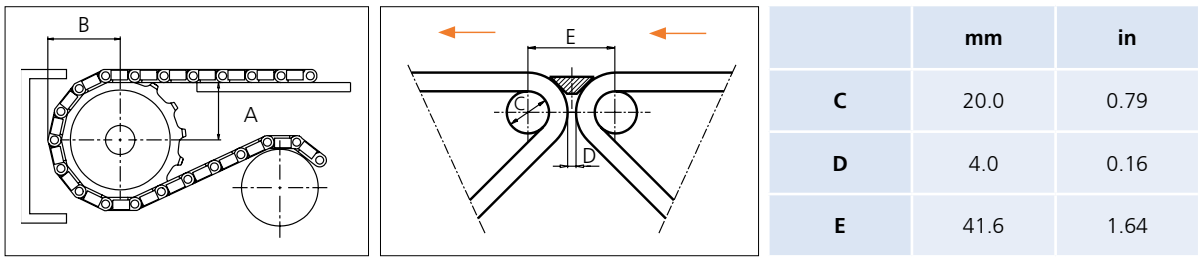
Sprocket

No. of teeth	Bore size													Overall diameter		Pitch-diameter		Hub-diameter		A-dimension		B-dimension		Single row/Two way	Double row/Two way	Molded PA6 LG	Machined PA6 N
	Pilot bore		0.75	0.78	0.98	1.00	1.18	1.25	1.50	1.57	2.36	2.50	3.54														
	mm	in	19.1	18.0	25.0	25.4	30.0	31.8	38.1	40.0	60.0	63.5	90.0	mm	in	mm	in	mm	in	mm	in	x	x	x	x		
Z10	x		●										41.3	1.63	41.1	1.62	28	1.10	15.2	0.60	25	0.98	x		x		
Z19	x				●	●	●	■					78.3	3.06	77.2	3.04	65	2.56	33.7	1.33	43	1.69	x		x		
Z28	x				●	●	●	■	●				114.9	4.52	113.4	4.46	65	2.56	52	2.05	61.1	2.41	x		x		
Z28										■			114.9	4.52	113.4	4.46	100	3.93	52	2.05	61.1	2.41	x		x		
Z38	x							●	●	●			155.5	6.12	153.8	6.06	75	2.95	72.2	2.84	81.3	3.20	x		x		



Non standard material and color: See uni Material and Color Overview.

Nosebars Min. Dimensions

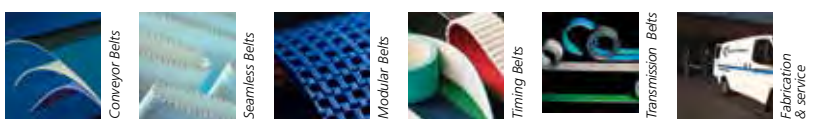


Other sprocket sizes are available upon request.
 Two-part sprocket are available upon request.
 Round bores are always delivered with keyway.
 Other bore sizes are available upon request.
 uni Retainer Rings: See uni Retainer Ring data sheet
 Width of tooth = 7.0 mm (0.28 in)
 Width of sprocket = 20.0 mm (0.79 in)

Max load per sprocket shown does not take bore size into account.
 Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni M-QNB.
 For more detailed sprocket information. contact Customer Service.

uni M-QNB NS1409



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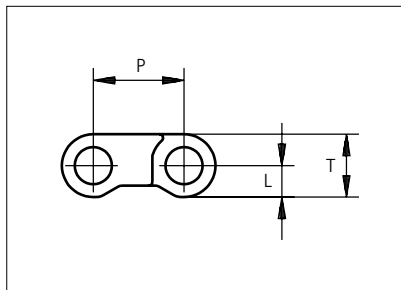
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Plastic Modular Belt

Series **uni M-QNB** Type **Vacuum**



Straight running belt
 Nominal pitch: 12.7 mm (0.50 in)
 Surface type: Flat
 Surface opening: Closed
 Backflex radius: 20.0 mm (0.80 in)
 Pin diameter: 5 mm (0.20 in)

Vacuum holes: ø3.2 mm (0.12 in)

Belt material & color	PP G		mm	in		mm	in
Pin material & color	PP W		P (Nominal)	12.7	0.50	T	8.8 / 0.35
			L	4.4	0.17	-	- / -

Non standard material and color: See uni Material and Color Overview.

Alternative pin and lock materials: Lockpin: PBT **LG** PA6.6 **N** **D** PP **B** PE **N**

Belt width		Permissible tensile force (Belt/pin material)		Belt weight (Belt/pin material)		*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		PP/PP		PP/PP			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	kg/m	lb/ft			
77	3.0	1001	225	0.5	0.32	2	2	2
153	6.0	1989	447	0.9	0.63	2	2	2
229	9.0	2977	669	1.4	0.94	3	2	2
305	12.0	3965	891	1.9	1.25	4	3	2
382	15.0	4966	1116	2.3	1.57	4	3	2
458	18.0	5954	1338	2.8	1.88	5	4	2
534	21.0	6942	1561	3.3	2.19	6	4	2
610	24.0	7930	1783	3.7	2.50	7	5	3
687	27.0	8931	2008	4.2	2.82	7	5	3
763	30.0	9919	2230	4.7	3.13	8	6	3
839	33.0	10907	2452	5.1	3.44	9	6	3
915	36.0	11895	2674	5.6	3.75	10	7	4
992	39.1	12896	2899	6.1	4.07	10	7	4

Additional standard belt widths are available in steps of 76.3 mm (3.00 in.) Additional non-standard belt widths are available in steps of 38.1 mm (1.50 in.)

1983	78.1	25779	5795	12.1	8.13	20	14	7
------	------	-------	------	------	------	----	----	---

Additional standard belt widths are available in steps of 76.3 mm (3.00 in.) Additional non-standard belt widths are available in steps of 38.1 mm (1.50 in.)

2974	117.1	38662	8691	18.1	12.19	30	20	10
------	-------	-------	------	------	-------	----	----	----

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.

*Max. Load per Drive Sprocket. Belt material: PP 800 N (180 lbf)

**Max. Spacing between wear strips, Carry: 152 mm (6 in); Return: 304 mm (12 in)

= Single Link



STANDARD

STRAIGHT RUNNING

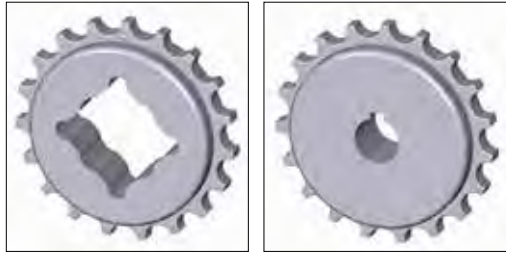
PITCH 12.7 MM/0.50 IN

Sprocket

No. of teeth	Bore size													Overall diameter		Pitch diameter		Hub diameter		A-dimension		B-dimension		Single row/Two way	Double row/Two way	Molded PA6 LG	Machined PA6 N
	Pilot bore	in	0.75	0.78	0.98	1.00	1.18	1.25	1.50	1.57	2.36	2.50	3.54														
	mm	19.1	18.0	25.0	25.4	30.0	31.8	38.1	40.0	60.0	63.5	90.0	mm	in	mm	in	mm	in	mm	in							
Z10	x		●										41.3	1.63	41.1	1.62	28	1.10	15.2	0.60	25	0.98	x		x		
Z19	x				●	●	●	■					78.3	3.06	77.2	3.04	65	2.56	33.7	1.33	43	1.69	x		x		
Z28	x				●	●	●	■	●				114.9	4.52	113.4	4.46	65	2.56	52	2.05	61.1	2.41	x		x		
Z28										■			114.9	4.52	113.4	4.46	100	3.93	52	2.05	61.1	2.41	x		x		
Z38	x							●	●	●			155.5	6.12	153.8	6.06	75	2.95	72.2	2.84	81.3	3.20	x		x		

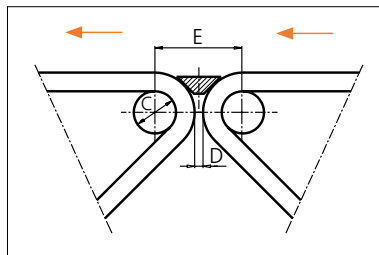
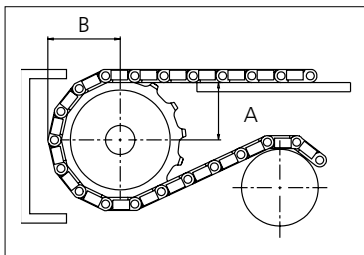
■ Molded sprocket

● Molded sprocket



Non standard material and color: See uni Material and Color Overview.

Nosebars Min. Dimensions



	mm	in
C	20.0	0.79
D	4.0	0.16
E	41.6	1.64

Other sprocket sizes are available upon request.
 Two-part sprocket are available upon request.
 Round bores are always delivered with keyway.
 Other bore sizes are available upon request.
 uni Retainer Rings: See uni Retainer Ring data sheet.
 Width of tooth = 7.0 mm (0.28 in)
 Width of sprocket = 20.0 mm (0.79 in)

Max load per sprocket shown does not take bore size into account.
 Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni M-QNB.
 For more detailed sprocket information. contact Customer Service.

uni M-QNB Vacuum/1409



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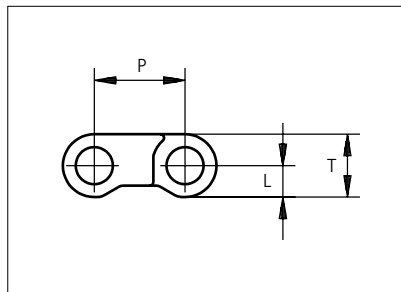
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Plastic Modular Belt

Series **uni M-QNB** Type **C**



Straight running belt
 Nominal pitch: 12.7 mm (0.50 in)
 Surface type: Flat
 Surface opening: Closed
 Backflex radius: 20.0 mm (0.80 in)
 Pin diameter: 5 mm (0.20 in)

Belt material & color	POM-SLF B	PP W G	PP B	PE B	POM-EC K	mm		in	
						P (Nominal)	T	mm	in
Pin material & color	PP B	PP W	PP B	PE N	PP B	L	-	-	-

Non standard material and color: See uni Material and Color Overview.

Alternative pin and lock materials: Solid Lockpin: PA6.6 **D** Lockpin: PBT **LG** PA6.6 **N** **D** PP **B** PE **N**

Belt width		Permissible tensile force (Belt/pin material)						Belt weight (Belt/pin material)						*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-SFL/PP POM-EC/PP		PP/PP		PE/PE		POM-SFL/PP POM-EC/PP		PP/PP		PE/PE			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft	kg/m	lb/ft			
25	1.0	475	107	325	73	200	45	0.2	0.14	0.2	0.10	0.1	0.10	1	1	1
39	1.5	741	167	507	114	312	70	0.3	0.21	0.2	0.16	0.2	0.15	1	1	1
45	1.8	855	192	585	132	360	81	0.4	0.25	0.3	0.18	0.3	0.18	2	1	1
77	3.0	1463	329	1001	225	616	138	0.6	0.42	0.5	0.32	0.5	0.31	2	2	2
153	6.0	2907	653	1989	447	1224	275	1.3	0.84	0.9	0.63	0.9	0.61	2	2	2
229	9.0	4351	978	2977	669	1832	412	1.9	1.26	1.4	0.94	1.4	0.91	3	2	2
305	12.0	5795	1303	3965	891	2440	549	2.5	1.68	1.9	1.25	1.8	1.21	4	3	2
382	15.0	7258	1632	4966	1116	3056	687	3.1	2.11	2.3	1.57	2.3	1.51	4	3	2
458	18.0	8702	1956	5954	1338	3664	824	3.8	2.52	2.8	1.88	2.7	1.82	5	4	2
534	21.0	10146	2281	6942	1561	4272	960	4.4	2.94	3.3	2.19	3.2	2.12	6	4	2
610	24.0	11590	2605	7930	1783	4880	1097	5.0	3.36	3.7	2.50	3.6	2.42	7	5	3
687	27.0	13053	2934	8931	2008	5496	1236	5.6	3.79	4.2	2.82	4.1	2.72	7	5	3
763	30.0	14497	3259	9919	2230	6104	1372	6.3	4.20	4.7	3.13	4.5	3.03	8	6	3

Additional standard belt widths are available in steps of 76.3 mm (3.00 in.) Additional non-standard belt widths are available in steps of 38.1 mm (1.50 in.)

1983	78.1	37677	8470	25779	5795	15864	3566	16.3	10.93	12.1	8.13	11.7	7.86	20	14	7
------	------	-------	------	-------	------	-------	------	------	-------	------	------	------	------	----	----	---

Additional standard belt widths are available in steps of 76.3 mm (3.00 in.) Additional non-standard belt widths are available in steps of 38.1 mm (1.50 in.)

2974	117.1	56506	12703	38662	8691	23792	5348	24.4	16.39	18.1	12.19	17.5	11.79	30	20	10
------	-------	-------	-------	-------	------	-------	------	------	-------	------	-------	------	-------	----	----	----

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.

The belt width in PE is 0.3 % wider than the belt width in the table.

*Max. Load per Drive Sprocket. Belt material: POM-SLF 1000 N (225 lbf), PP 800 N (180 lbf), PE 800 N (180 lbf), POM-EC 1000 N (225 lbf).

**Max. Spacing between wear strips, Carry: 152 mm (6 in); Return: 304 mm (12 in).

= Single Link



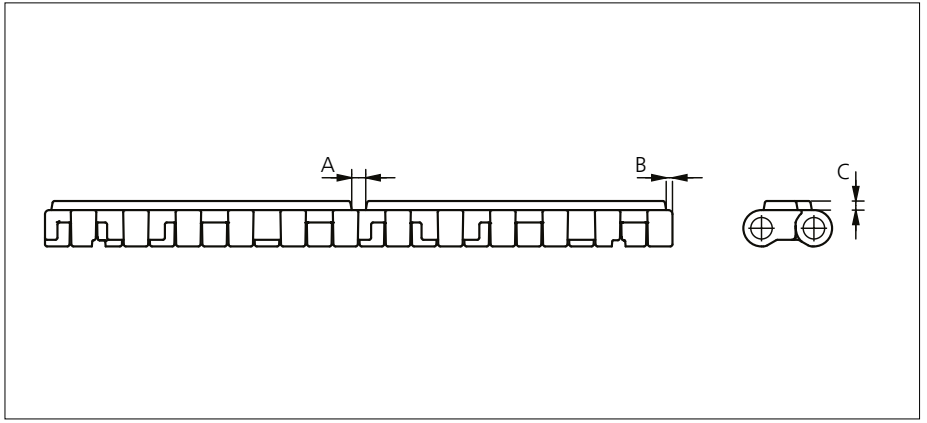
STANDARD

STRAIGHT RUNNING

PITCH 12.7 MM/0.50 IN

Accessories

Rubber Top



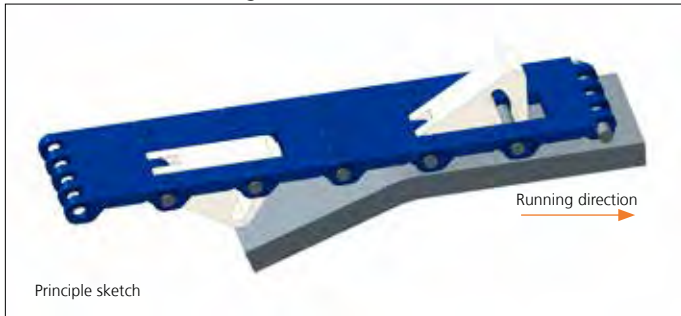
Type	Belt material & color	Rubber material & color	A		B		C		Link size	Width	
			mm	in	mm	in	mm	in		mm	in
Flat	PP W	03 N	3.4	0.13	1.5	0.06	2.2	0.09	K300	75.8	2.98
	PP G	03 K							K600	152.0	5.98

Non Standard material and color: See uni Material and Color Overview.

Rubber Top is not available in belt width below 77 mm (3 in).

Accessories

Non Standard uni AmFlight



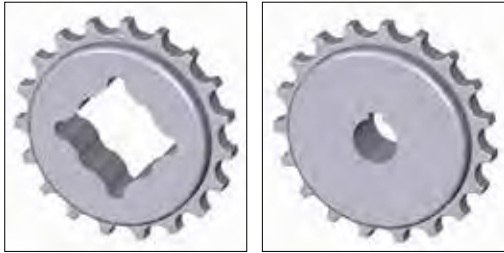
Other Non Standard option: See uni AmFlight Overview.

Sprocket

No. of teeth	Bore size													Overall diameter		Pitch-diameter		Hub-diameter		A-dimension		B-dimension		Single row/Two way	Double row/Two way	Molded PA6 LG	Machined PA6 N
	Pilot bore																										
	mm	in	0.75	0.78	0.98	1.00	1.18	1.25	1.50	1.57	2.36	2.50	3.54	mm	in	mm	in	mm	in	mm	in						
Z10	x			●									41.3	1.63	41.1	1.62	28	1.10	15.2	0.60	25	0.98	x		x		
Z19	x				●		●	●	■				78.3	3.06	77.2	3.04	65	2.56	33.7	1.33	43	1.69	x		x		
Z28	x				●	●	●	■	■	●			114.9	4.52	113.4	4.46	65	2.56	52	2.05	61.1	2.41	x		x		
Z28											■		114.9	4.52	113.4	4.46	100	3.93	52	2.05	61.1	2.41	x		x		
Z38	x						●	●	●				155.5	6.12	153.8	6.06	75	2.95	72.2	2.84	81.3	3.20	x		x		

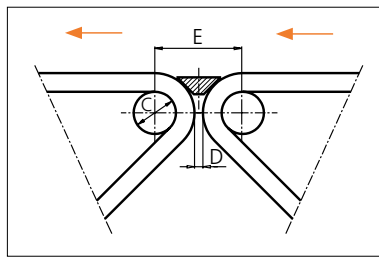
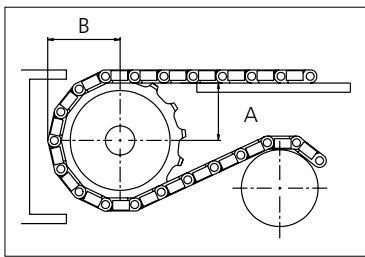
■ Molded sprocket

● Molded sprocket



Non standard material and color: See uni Material and Color Overview.

Nosebars Min. Dimensions



	mm	in
C	20.0	0.79
D	4.0	0.16
E	41.6	1.64

Other sprocket sizes are available upon request.
 Two-part sprocket are available upon request.
 Round bores are always delivered with keyway.
 Other bore sizes are available upon request.
 uni Retainer Rings: See uni Retainer Ring data sheet.
 Width of tooth = 7.0 mm (0.28 in)
 Width of sprocket = 20.0 mm (0.79 in)

Max load per sprocket shown does not take bore size into account.
 Please also ensure that sufficient size shaft is chosen for corresponding load.

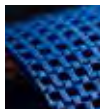
For correct sprocket position: See uni Assembly Instructions for uni M-QNB.
 For more detailed sprocket information, contact Customer Service.



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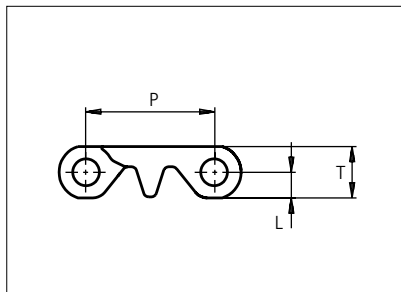
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Plastic Modular Belt

Series **uni S-MPB** Type **C**



Straight running belt
 Nominal pitch: 25.4 mm (1.00 in)
 Surface type: Flat
 Surface opening: Closed
 Backflex radius: 23.0 mm (0.91 in)
 Pin diameter: 5 mm (0.20 in)

Belt material & color	POM-DI W	PP W	PP B	PE-I B N		mm	in		mm	in
					P (Nominal)	25.4	1.00	T	10.3	0.41
Pin material & color	PP W		PP B		PE N					
					L	5.2	0.20	-	-	-

Non standard material and color: See uni Material and Color Overview.

Alternative pin and lock materials: Lockpin: PBT LG PA6.6 N D

Belt width		Permissible tensile force (Belt/pin material)						Belt weight (Belt/pin material)						*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-DI/PP		PP/PP		PE-I/PP		POM-DI/PP		PP/PP		PE-I/PP			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft	kg/m	lb/ft			
77	3.0	1810	407	732	164	604	136	0.6	0.43	0.4	0.29	0.4	0.29	2	2	2
153	6.0	3596	808	1454	327	1201	270	1.3	0.85	0.9	0.58	0.9	0.59	2	2	2
184	7.2	4317	971	1745	392	1442	324	1.5	1.02	1.0	0.69	1.0	0.70	2	2	2
229	9.0	5382	1210	2176	489	1798	404	1.9	1.28	1.3	0.86	1.3	0.88	2	2	2
305	12.0	7168	1611	2898	651	2394	538	2.5	1.70	1.7	1.15	1.7	1.17	3	3	2
381	15.0	8954	2013	3620	814	2991	672	3.2	2.13	2.1	1.43	2.2	1.46	3	3	2
457	18.0	10740	2414	4342	976	3588	806	3.8	2.55	2.6	1.72	2.6	1.75	4	4	2
507	20.0	11910	2677	4815	1082	3978	894	4.2	2.83	2.8	1.91	2.9	1.94	4	4	2
533	21.0	12527	2816	5064	1138	4184	941	4.4	2.97	3.0	2.01	3.0	2.04	4	4	2
609	24.0	14313	3218	5786	1301	4781	1075	5.1	3.40	3.4	2.29	3.5	2.33	5	5	3
685	27.0	16100	3619	6508	1463	5378	1209	5.7	3.82	3.8	2.58	3.9	2.62	5	5	3
761	30.0	17886	4021	7231	1625	5975	1343	6.3	4.25	4.3	2.86	4.3	2.92	6	6	3
837	33.0	19673	4422	7953	1788	6571	1477	6.9	4.67	4.7	3.15	4.8	3.21	6	6	3

Additional standard belt widths are available in steps of 76.0 mm (2.99 in). Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in).

1977	77.8	46460	10444	18782	4222	15519	3489	16.4	11.03	11.1	7.44	11.3	7.57	14	14	7
------	------	-------	-------	-------	------	-------	------	------	-------	------	------	------	------	----	----	---

Additional standard belt widths are available in steps of 76.0 mm (2.99 in). Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in).

2965	116.7	69678	15664	28168	6332	23275	5232	24.6	16.54	16.6	11.16	16.9	11.36	20	20	10
------	-------	-------	-------	-------	------	-------	------	------	-------	------	-------	------	-------	----	----	----

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.

*Max. Load per Drive Sprocket. Belt material: POM-DI 1100 N (247 lbf), PP 500 N (112 lbf), PE 500 N (112 lbf).

**Max. Spacing between wear strips, Carry: 152 mm (6 in); Return: 304 mm (12 in).

 = Single Link



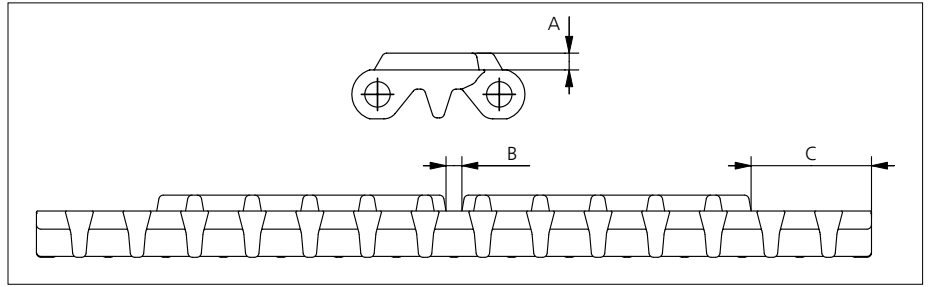
STANDARD

STRAIGHT RUNNING

PITCH 25.4 MM/1.00 IN

Accessories

Rubber Top

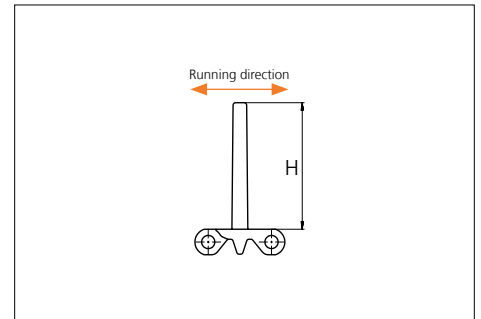
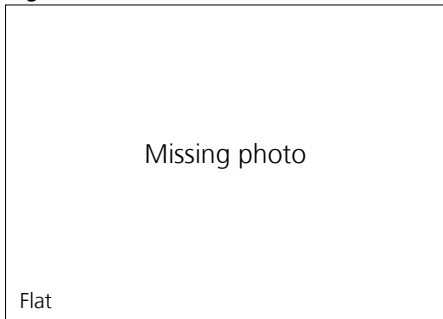


Type	Belt material & color	Rubber material & color	A		B		C		Link size	Width	
			mm	in	mm	in	mm	in		mm	in
Flat	PP W B	03 N K	3.5	0.14	3.5	0.14	26.5	1.04	K725	184.2	7.25

Non Standard material and color: See uni Material and Color Overview.

Accessories

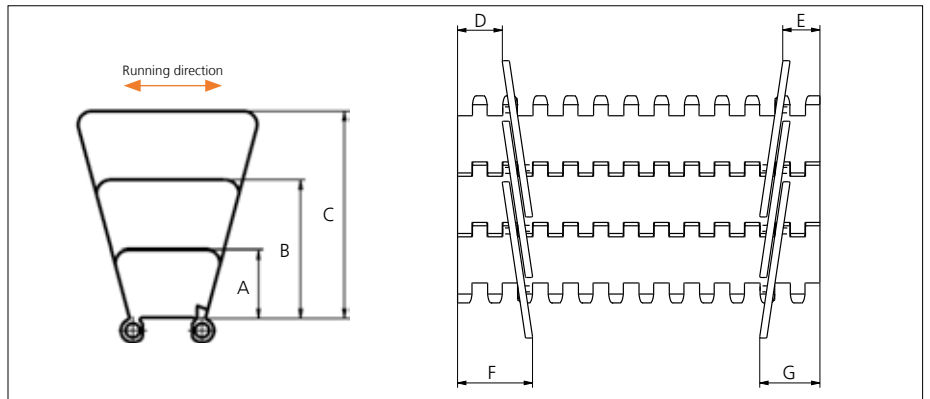
Flight



Type	Material & color	H		Link size	Width		Indent both sides	
		mm	in		mm	in	mm	in
13% Non Stick	POM-D W	76.2	3.00	K600	151.9	5.98	00.0	0.00
Flat	PP-I W B PE-I N B	50.8	2.00	K2000	506.7	19.95	25.8	1.02

Accessories

Side Guard



Type	Material & color	A		B		C		D		E		F		G	
		mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in
Closed	PP-I W B	25.4	1.00	50.8	2.00	76.2	3.00	12.5	0.49	18.5	0.73	25.5	1.00	31.5	1.24

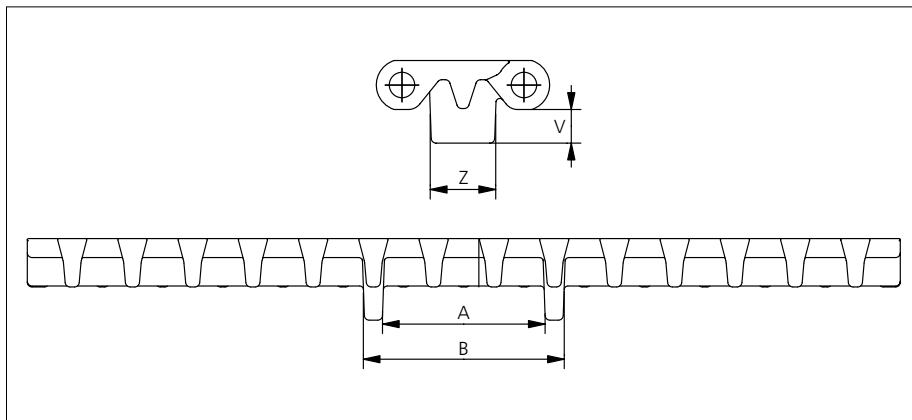
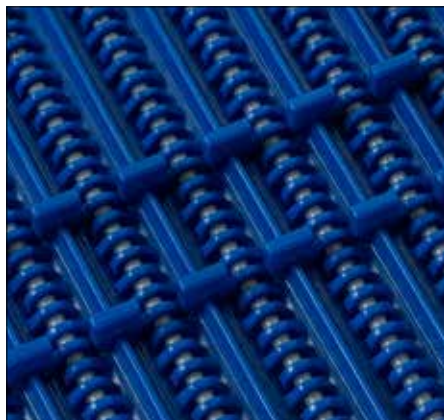
Minimum indent to outside of side guide: 14.0 mm (0.55 in). Increment 6.4 mm (0.25).

Non Standard material and color: See uni Material and Color Overview.

Backflex radius for Side Guide: 75.0 mm (2.95 in).

Accessories

Tab

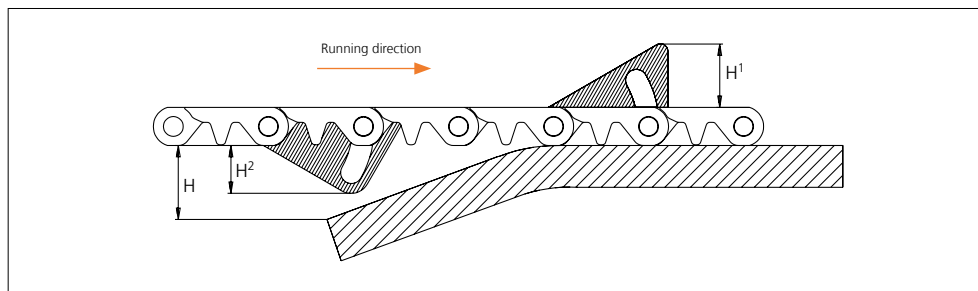


Type	Belt material & color	V		Z		A		B		Link size	Width	
		mm	in	mm	in	mm	in	mm	in		mm	in
Bottom Guide	POM-DI W PP W B	7.0	0.28	13.9	0.55	33.4	1.31	42.8	1.69	K725	184.2	7.25

Non Standard material and color: See uni Material and Color Overview.

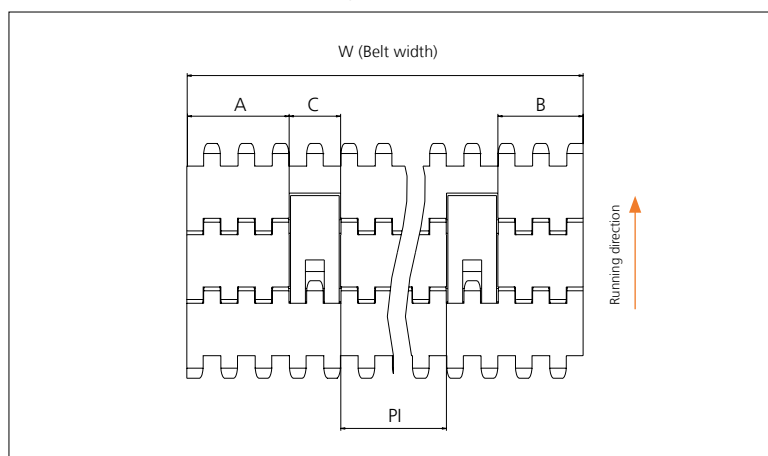
Accessories

AmFlight



Type	Material & color	H		H ¹		H ²	
		mm	in	mm	in	mm	in
Push	PE W	17.0	0.67	17.0	0.67	13.3	0.52

Other Non Standard option: See uni AmFlight Overview.



	mm	in
A min	38.4	1.51
B min	32.1	1.26
C	18.0	0.71
PI max	W - 106.5	W - 4.19
PI min	32.8	1.29

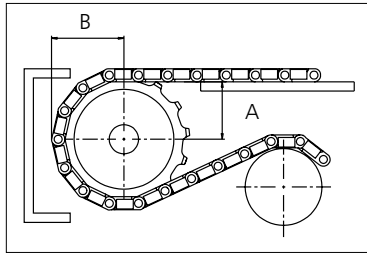
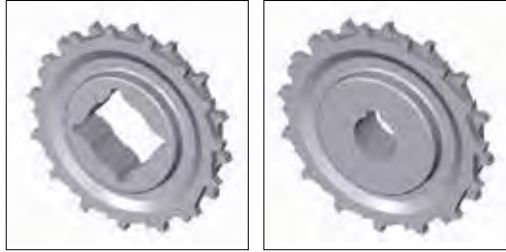
Increment: 12.7 mm (0.50 in).

Sprocket

No. of teeth	Bore size													Overall diameter		Pitch diameter		Hub diameter		A-dimension		B-dimension		Single row/Two way	Double row/Two way	Molded PA6 LG	Machined PA6 N
	Pilot bore	in	0.75	0.78	0.98	1.00	1.18	1.25	1.50	1.57	2.36	2.50	3.54														
	mm	19.05	20.00	25.00	25.40	30.00	31.75	38.10	40.00	60.00	63.50	90.00	mm	in	mm	in	mm	in	mm	in							
Z06	x	●	●									45.2	1.78	50.8	2.00	33	1.30	16.9	0.67	30,75	1.21		x	x			
Z08	x				●	●	●					62.5	2.46	66.4	2.61	50	1.97	25.56	1.01	38,53	1.51		x	x			
Z10	x				●	●	●		●			79.4	3.13	82.2	3.24	66	2.6	34	1.34	46,44	1.82		x	x			
Z12	x				●	●	●		●	■		96	3.78	98.1	3.86	70	2.76	42.3	1.67	54.42	2.14		x	x			
Z15	x				●	●	●	■	■	■	■	120.7	4.75	122.2	4.81	70	2.76	54.54	2.15	66.43	2.62		x	x			
Z20	x						●	●	●	■	■	161.6	6.36	162.4	6.39	70	2.76	75.08	2.96	86.53	3.41		x	x			

■ Molded sprocket

● Molded sprocket



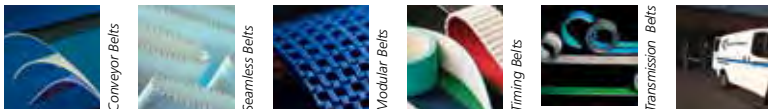
Other sprocket sizes are available upon request
 Two-part sprocket are available upon request
 Round bores are always delivered with keyway.
 Other bore sizes are available upon request.
 uni Retainer Rings: See uni Retainer Ring data sheet
 Width of tooth = 12.7 mm (0.50 in)
 Width of sprocket = 25.0 mm (0.98 in)

Max load per sprocket shown does not take bore size into account.
 Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni S-MPB.
 For more detailed sprocket information, contact Customer Service.

Non standard material and color: See uni Material and Color Overview.

uni S-MPB C/1409



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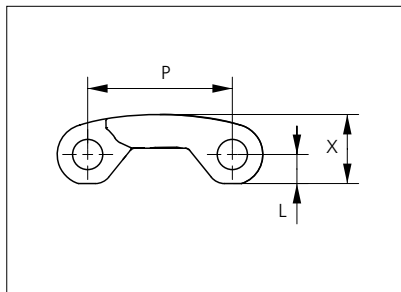
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Plastic Modular Belt

Series **uni S-MPB** Type **22% CS**



Straight running belt
 Nominal pitch: 25.4 mm (1.00 in)
 Surface type: Curved Surface
 Surface opening: 22%
 Backflex radius: 23.0 mm (0.91 in)
 Pin diameter: 5 mm (0.20 in)

Belt material & color	POM-DI W	PP W	PP B	PE-I B N		mm	in		mm	in
					P (Nominal)	25.4	1.00	X	12.1	0.48
Pin material & color	PP W		PP B		PE N					
					L	5.2	0.20	-	-	-

Non standard material and color: See uni Material and Color Overview.

Alternative pin and lock materials: Lockpin: PBT LG PA6.6 N D

Belt width		Permissible tensile force (Belt/pin material)						Belt weight (Belt/pin material)						*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-DI/PP		PP/PP		PE-I/PE		POM-DI/PP		PP/PP		PE-I/PE			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft	kg/m	lb/ft			
77	3.0	1810	407	732	164	604	136	0.5	0.36	0.4	0.24	0.4	0.24	2	2	2
153	6.0	3596	808	1454	327	1201	270	1.1	0.72	0.7	0.48	0.7	0.48	2	2	2
229	9.0	5383	1210	2176	489	1798	404	1.6	1.08	1.1	0.72	1.1	0.72	2	2	2
305	12.0	7169	1612	2898	652	2395	538	2.1	1.44	1.4	0.96	1.4	0.96	3	3	2
381	15.0	8956	2013	3620	814	2992	672	2.7	1.79	1.8	1.20	1.8	1.20	3	3	2
457	18.0	10742	2415	4343	976	3588	807	3.2	2.15	2.1	1.44	2.1	1.44	4	4	2
533	21.0	12529	2816	5065	1139	4185	941	3.7	2.51	2.5	1.68	2.5	1.68	4	4	2
609	24.0	14315	3218	5787	1301	4782	1075	4.3	2.87	2.9	1.92	2.9	1.92	5	5	3
685	27.0	16102	3620	6509	1463	5379	1209	4.8	3.22	3.2	2.16	3.2	2.16	5	5	3
761	30.0	17888	4021	7231	1626	5975	1343	5.3	3.58	3.6	2.40	3.6	2.40	6	6	3
837	33.0	19675	4423	7954	1788	6572	1477	5.9	3.94	3.9	2.64	3.9	2.64	6	6	3
913	36.0	21461	4824	8676	1950	7169	1612	6.4	4.30	4.3	2.88	4.3	2.88	7	7	4
989	38.9	23248	5226	9398	2113	7766	1746	6.9	4.65	4.6	3.12	4.6	3.12	7	7	4

Additional standard belt widths are available in steps of 76.0 mm (2.99 in). Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in).

1977	77.8	46460	10444	18782	4222	15519	3489	13.8	9.30	9.3	6.24	9.3	6.24	14	14	7
------	------	-------	-------	-------	------	-------	------	------	------	-----	------	-----	------	----	----	---

Additional standard belt widths are available in steps of 76.0 mm (2.99 in). Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in).

2965	116.7	69678	15664	28168	6332	23275	5232	20.8	13.95	13.9	9.37	13.9	9.37	20	20	10
------	-------	-------	-------	-------	------	-------	------	------	-------	------	------	------	------	----	----	----

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.

*Max. Load per Drive Sprocket. Belt material: POM-DI 1100 N (247 lbf), PP 500 N (112 lbf), PE 500 N (112 lbf).

**Max. Spacing between wear strips, Carry: 152 mm (6 in); Return: 304 mm (12 in).

 = Single Link



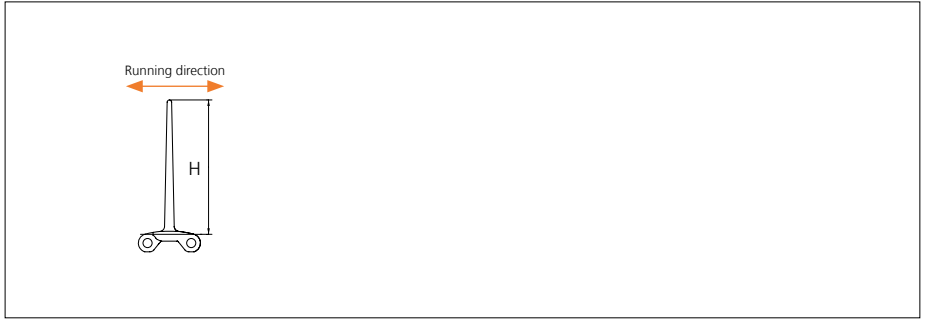
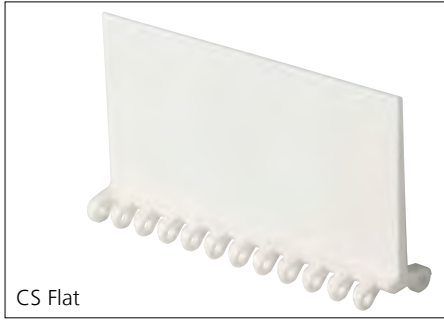
STANDARD

STRAIGHT RUNNING

PITCH 25.4 MM/1.00 IN

Accessories

Flight



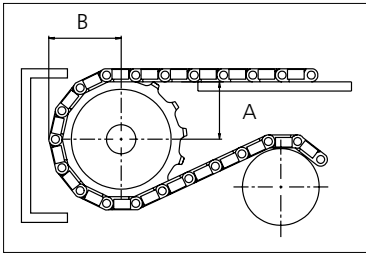
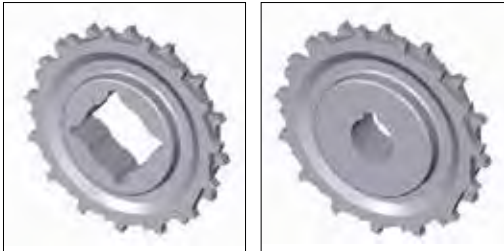
Type	Material & color	H		Link size	Width		Indent both sides	
		mm	in		mm	in	mm	in
CS Flat	POM-D <input type="checkbox"/> W PP-I <input type="checkbox"/> W <input checked="" type="checkbox"/> B PE-I <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/> B	76.2	3.00	K600	151.9	5.98	00.0	0.00

Sprocket

No. of teeth	Pilot bore	Bore size													Overall diameter		Pitch diameter		Hub diameter		A-dimension		B-dimension		Single row/Two way	Double row/Two way	Machined					
		mm	19.05	20.00	25.00	25.40	30.00	31.75	38.10	40.00	60.00	63.50	90.00	mm													in	mm	in	mm	in	mm
		in	0.75	0.78	0.98	1.00	1.18	1.25	1.50	1.57	2.36	2.50	3.54	mm	in	mm	in	mm	in	mm	in	PA6	PA6	PA6								
Z06	x		●	●													45.2	1.78	50.8	2.00	33	1.30	16.9	0.67	30,75	1.21		x	x			
Z08	x					●	●	●									62.5	2.46	66.4	2.61	50	1.97	25.56	1.01	38,53	1.51		x	x			
Z10	x					●	●	●			●						79.4	3.13	82.2	3.24	66	2.6	34	1.34	46,44	1.82		x	x			
Z12	x					●	●	●			●						96	3.78	98.1	3.86	70	2.76	42.3	1.67	54,42	2.14		x	x			
Z15	x					●	●	●	■		●	■					120.7	4.75	122.2	4.81	70	2.76	54.54	2.15	66.43	2.62		x	x			
Z20	x							●	■		●	■	■				161.6	6.36	162.4	6.39	70	2.76	75.08	2.96	86.53	3.41		x	x			

■ Molded sprocket

● Molded sprocket



Non standard material and color: See uni Material and Color Overview.

Other sprocket sizes are available upon request

Two-part sprocket are available upon request

Round bores are always delivered with keyway.

Other bore sizes are available upon request.

uni Retainer Rings: See uni Retainer Ring data sheet

Width of tooth = 12.7 mm (0.50 in)

Width of sprocket = 25.0 mm (0.98 in)

Max load per sprocket shown does not take bore size into account.

Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni S-MPB.

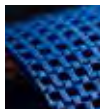
For more detailed sprocket information, contact Customer Service.



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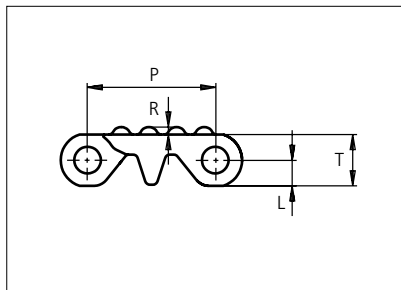
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Plastic Modular Belt

Series **uni S-MPB** Type **N**



Straight running belt
 Nominal pitch: 25.4 mm (1.00 in)
 Surface type: No Cling
 Surface opening: Closed
 Backflex radius: 23.0 mm (0.91 in)
 Pin diameter: 5 mm (0.20 in)

Belt material & color	POM-DI W	PE-I N	PE-I B	mm	in	mm	in		
Pin material & color	PP W	PE N	PE N	P (Nominal)	25.4	1.00	L	5.20	0.20
				R	1.50	0.06	T	10.3	0.41

Non standard material and color: See uni Material and Color Overview.

Alternative pin and lock materials: Lockpin: PBT **LG** PA6.6 **D** **N** PP **B**

Note: uni S-MPB N is available with an indent of 38.6 mm (1.52 in) in both sides (as uni S-MPB NE).

Belt width		Permissible tensile force (Belt/pin material)				Belt weight (Belt/pin material)				*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-DI/PP		PE-I/PE		POM-DI/PP		PE-I/PE			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft			
77	3.0	1810	407	604	136	0.6	0.43	0.4	0.29	2	2	2
153	6.0	3596	808	1201	270	1.3	0.85	0.9	0.59	2	2	2
229	9.0	5383	1210	1798	404	1.9	1.28	1.3	0.88	2	2	2
305	12.0	7169	1612	2395	538	2.5	1.70	1.7	1.17	3	3	2
381	15.0	8956	2013	2992	672	3.2	2.13	2.2	1.46	3	3	2
457	18.0	10742	2415	3588	807	3.8	2.55	2.6	1.75	4	4	2
507	20.0	11910	2677	3978	894	4.2	2.83	2.9	1.94	4	4	2
533	21.0	12529	2816	4185	941	4.4	2.97	3.0	2.04	4	4	2
609	24.0	14315	3218	4782	1075	5.1	3.40	3.5	2.33	5	5	3
685	27.0	16102	3620	5379	1209	5.7	3.82	3.9	2.62	5	5	3
761	30.0	17888	4021	5975	1343	6.3	4.25	4.3	2.92	6	6	3
837	33.0	19675	4423	6572	1477	6.9	4.67	4.8	3.21	6	6	3
913	36.0	21461	4824	7169	1612	7.6	5.09	5.2	3.50	7	7	4

Additional standard belt widths are available in steps of 76.0 mm (2.99 in). Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in).

1977	77.8	46460	10444	15519	3489	16.4	11.03	11.3	7.57	14	14	7
------	------	-------	-------	-------	------	------	-------	------	------	----	----	---

Additional standard belt widths are available in steps of 76.0 mm (2.99 in). Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in).

2965	116.7	69678	15664	23275	5232	24.6	16.54	16.9	11.36	20	20	10
------	-------	-------	-------	-------	------	------	-------	------	-------	----	----	----

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.

*Max. Load per Drive Sprocket. Belt material: POM-DI 1100 N (247 lbf), PE 500 N (112 lbf).

**Max. Spacing between wear strips, Carry: 152 mm (6 in); Return: 304 mm (12 in)

= Single Link



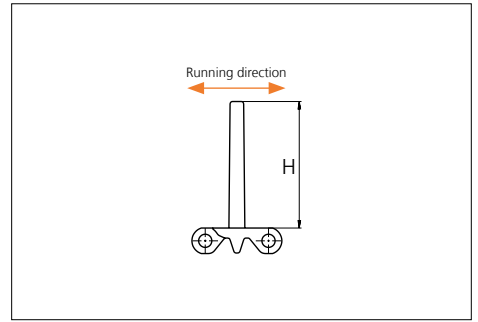
STANDARD

STRAIGHT RUNNING

PITCH 25.4 MM/1.00 IN

Accessories

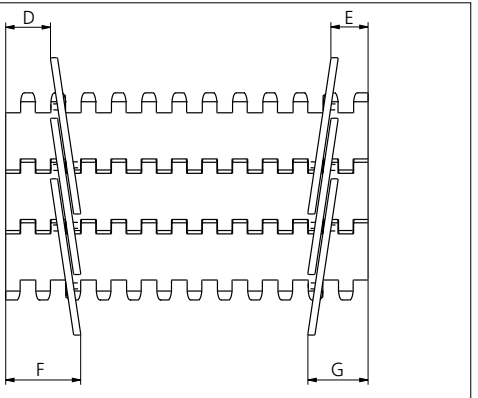
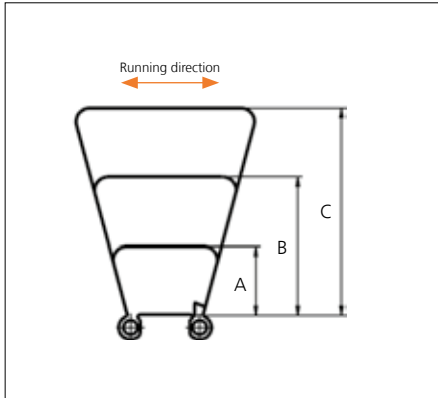
Flight



Type	Material & color	H		Link size	Width		Indent both sides	
		mm	in		mm	in	mm	in
13% Non Stick	POM-D W	76.2	3.00	K600	151.9	5.98	00.0	0.00
Flat	PP-I W B PE-I N B	50.8	2.00	K2000	506.7	19.95	25.8	1.02

Accessories

Side Guide



Type	Material & color	A		B		C		D		E		F		G	
		mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in
Closed	PP-I W B	25.4	1.00	50.8	2.00	76.2	3.00	12.5	0.49	18.5	0.73	25.5	1.00	31.5	1.24

Minimum indent to outside of side guide: 14.0 mm (0.55 in). Increment 6.4 mm (0.25).

Non Standard material and color: See uni Material and Color Overview.

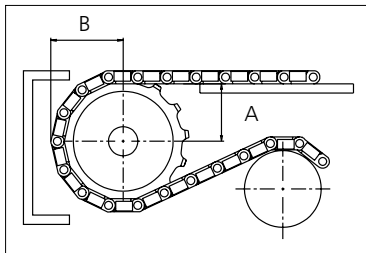
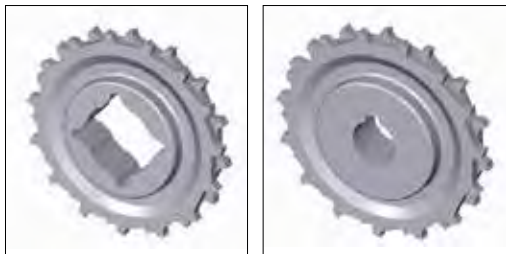
Backflex radius for Side Guide: 75.0 mm (2.95 in)

Sprocket

No. of teeth	Pilot bore	Bore size												Overall diameter		Pitch diameter		Hub-diameter		A-dimension		B-dimension		Single row/Two way	Double row/Two way	Molded PA6	Machined PA6	
		mm	in	0.75	0.78	0.98	1.00	1.18	1.25	1.50	1.57	2.36	2.50															3.54
		mm	in	mm	in	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm								
Z06	x			●	●									45.2	1.78	50.8	2.00	33	1.30	16.9	0.67	30,75	1.21		x	x		
Z08	x						●	●	●					62.5	2.46	66.4	2.61	50	1.97	25.56	1.01	38,53	1.51		x	x		
Z10	x						●	●	●			●		79.4	3.13	82.2	3.24	66	2.6	34	1.34	46,44	1.82		x	x		
Z12	x						●	●	●			●	■	96	3.78	98.1	3.86	70	2.76	42.3	1.67	54.42	2.14		x	x		
Z15	x						●	●	●	■		●	■	120.7	4.75	122.2	4.81	70	2.76	54.54	2.15	66.43	2.62		x	x		
Z20	x							●	●	■		●	■	161.6	6.36	162.4	6.39	70	2.76	75.08	2.96	86.53	3.41		x	x		

■ Molded sprocket

● Molded sprocket



Other sprocket sizes are available upon request

Two-part sprocket are available upon request

Round bores are always delivered with keyway.

Other bore sizes are available upon request.

uni Retainer Rings: See uni Retainer Ring data sheet

Width of tooth = 12.7 mm (0.50 in)

Width of sprocket = 25.0 mm (0.98 in)

Max load per sprocket shown does not take bore size into account.

Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni S-MPB.

For more detailed sprocket information, contact Customer Service.

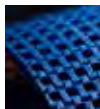
Non standard material and color: See uni Material and Color Overview.



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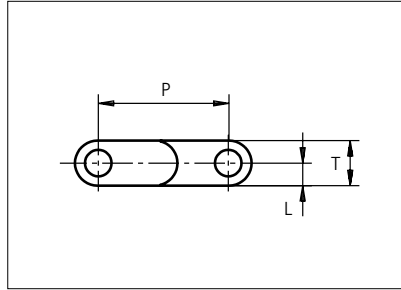
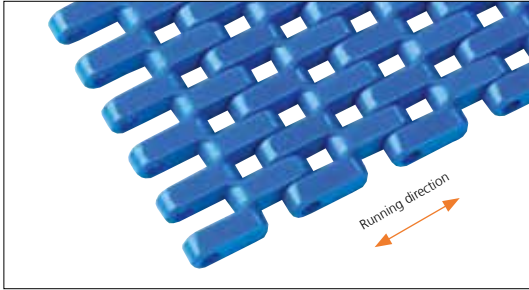
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Plastic Modular Belt

Series **uni SNB** Type **M2 20%**



Straight running belt
 Nominal pitch: 25.4 mm (1.00 in)
 Surface type: Flat
 Surface opening: 20%
 Backflex radius: 30.0 mm (1.20 in)
 Pin diameter: 5 mm (0.20 in)

Belt material & color	POM-D	B	PP	B	PP	W	PE	N	PE	B	mm	in	mm	in		
	Pin material & color	PP		PP		PP		PE		PE					P (Nominal)	25.4
	PP		PP		PP		PE		PE		T	8.8	0.35	-	-	-

Non standard material and color: See uni Material and Color Overview.

Alternative pin and lock materials: Lockpin: PBT LG PA6.6 D N PP B W PE N

Belt width		Permissible tensile force (Belt/pin material)						Belt weight (Belt/pin material)						*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-D/PP		PP/PP		PE/PE		POM-D/PP		PP/PP		PE/PE			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft	kg/m	lb/ft			
77	3.0	1810	407	1155	260	770	173	0.5	0.33	0.3	0.22	0.3	0.23	2	2	2
153	6.0	3596	808	2295	516	1530	344	1.0	0.65	0.7	0.44	0.7	0.45	2	2	2
191	7.5	4489	1009	2865	644	1910	429	1.2	0.81	0.8	0.55	0.8	0.56	2	2	2
229	9.0	5382	1210	3435	772	2290	515	1.4	0.97	1.0	0.66	1.0	0.68	2	2	2
305	12.0	7168	1611	4575	1028	3050	686	1.9	1.29	1.3	0.88	1.3	0.90	3	3	2
381	15.0	8954	2013	5715	1285	3810	856	2.4	1.61	1.6	1.10	1.7	1.13	3	3	2
457	18.0	10740	2414	6855	1541	4570	1027	2.9	1.93	2.0	1.32	2.0	1.35	4	4	2
533	21.0	12526	2816	7995	1797	5330	1198	3.4	2.26	2.3	1.54	2.3	1.58	4	4	2
609	24.0	14312	3217	9135	2054	6090	1369	3.8	2.58	2.6	1.76	2.7	1.80	5	5	3
686	27.0	16121	3624	10290	2313	6860	1542	4.3	2.90	2.9	1.98	3.0	2.03	5	5	3
762	30.0	17907	4025	11430	2569	7620	1713	4.8	3.23	3.3	2.20	3.4	2.25	6	6	3
838	33.0	19693	4427	12570	2826	8380	1884	5.3	3.55	3.6	2.42	3.7	2.48	6	6	3
914	36.0	21479	4828	13710	3082	9140	2055	5.8	3.87	3.9	2.64	4.0	2.70	7	7	4

Additional standard belt widths are available in steps of 76.1 mm (3.00 in). Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in).

1979	77.9	46507	10455	29685	6673	19790	4449	12.5	8.38	8.5	5.72	8.7	5.85	14	14	7
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Additional standard belt widths are available in steps of 76.1 mm (3.00 in). Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in).

2969	116.9	69772	15685	44535	10011	29690	6674	18.7	12.57	12.8	8.58	13.1	8.78	20	20	10
------	-------	-------	-------	-------	-------	-------	------	------	-------	------	------	------	------	----	----	----

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.

*Max. Load per Drive Sprocket. Belt material: POM-D 1400 N (315 lbf), PP 1100 N (247 lbf), PE 1100 N (247 lbf).

**Max. Spacing between wear strips, Carry: 152 mm (6 in); Return: 304 mm (12 in).

□ = Single Link



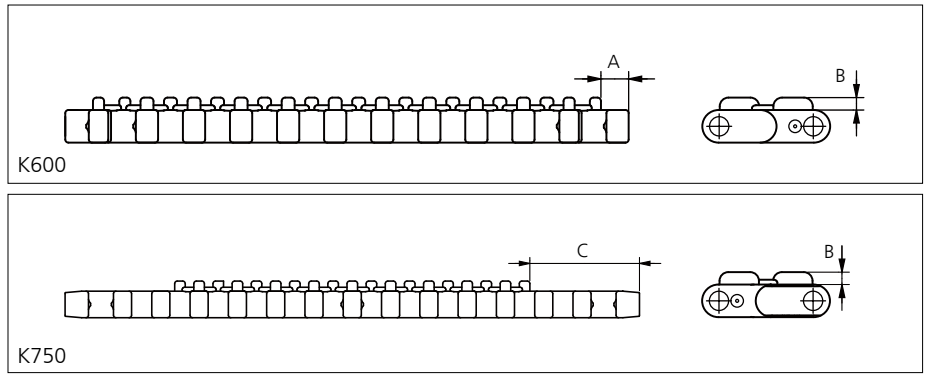
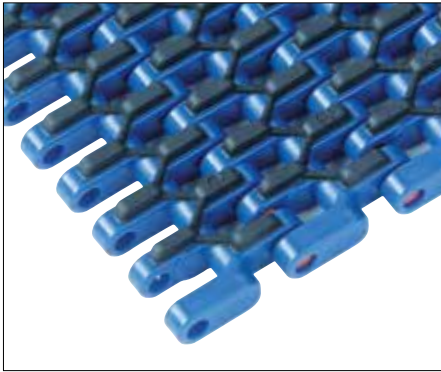
STANDARD

STRAIGHT RUNNING

PITCH 25.4 MM/1.00 IN

Accessories

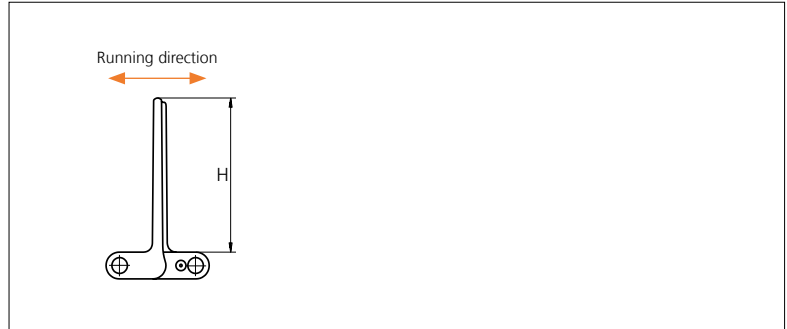
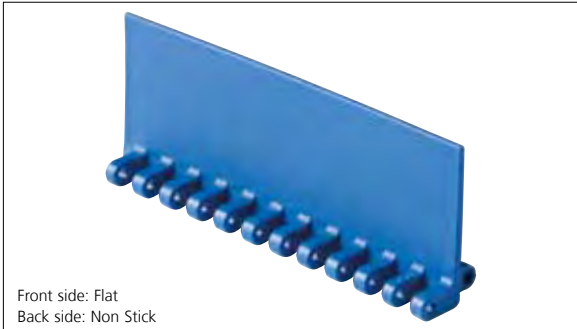
Rubber Top



Type	Belt material & color	Rubber material & color	A		B		C		Link size	Width	
			mm	in	mm	in	mm	in		mm	in
M2 20% Flat	PP B	03 K	7.5	0.30	3.4	0.13	36.0	1.41	K300	77.0	3.00
									K600	152.4	6.00
	PP W	03 N							K750	190.5	7.50

Accessories

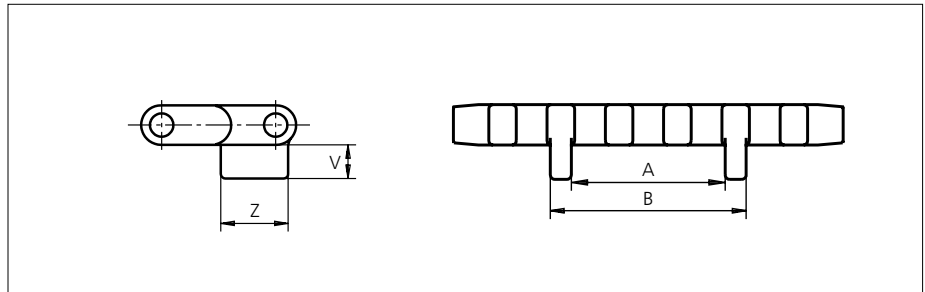
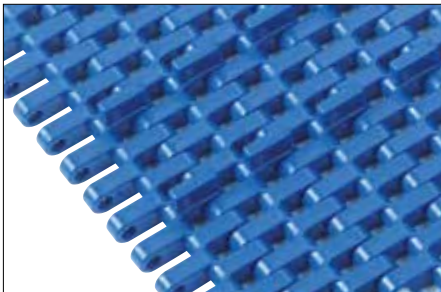
Flight



Type	Flight Material & color	H		Link size	Width	
		mm	in		mm	in
M2 20% Flat/Non Stick	PP-I W B PE N B	5.0	0.20	K600	151.1	5.99
		25.4	1.00			
		50.8	2.00			
		76.2	3.00			
		101.6	4.00			

Accessories

Tab / Single Link Only

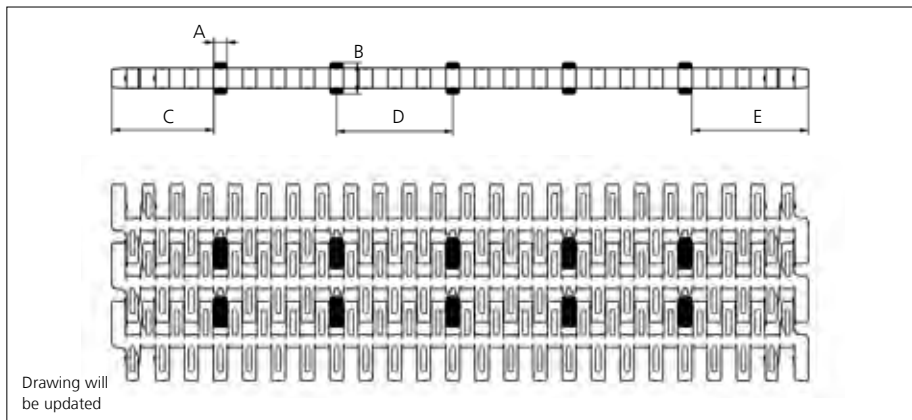


Type	Tab Material & color	V		Z		A		B		Link size	Width	
		mm	in	mm	in	mm	in	mm	in		mm	in
M2 20% Bottom Guide	POM-D B PP B	7.50	0.29	15.0	0.59	33.5	1.19	42.7	1.68	K750	189.4	7.46

Non Standard material and color: See uni Material and Color Overview.

Accessories

Rollers NON STANDARD

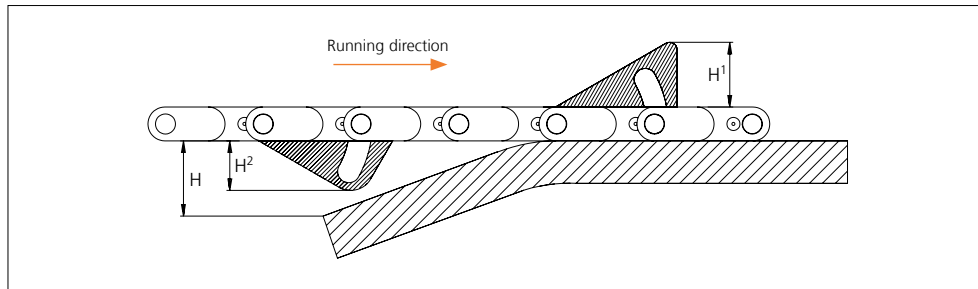


Type	Roller material & color	A		B		C		D		E	
		mm	in	mm	in	mm	in	mm	in	mm	in
Plastic	POM-D W	5.7	0.22	13.5	0.53	44.6	1.75	50.8	2.00	51.0	2.01

Non Standard material and color: See uni Material and Color Overview.

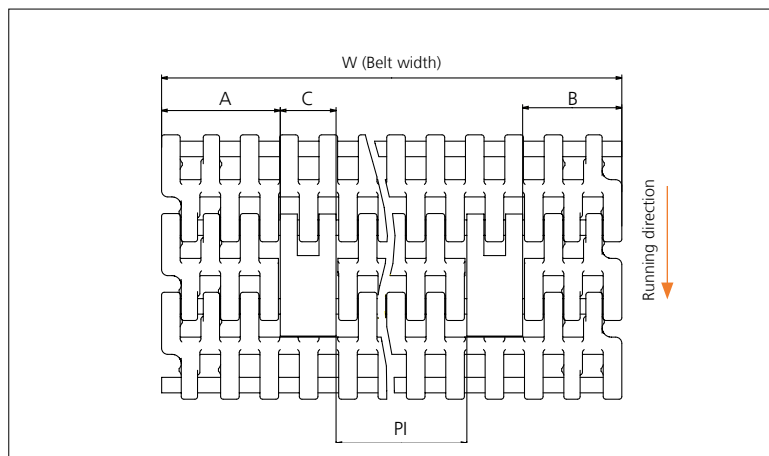
Accessories

AmFlight



Type	Material & color	H		H ¹		H ²	
		mm	in	mm	in	mm	in
Push	PP W	17.0	0.67	17.0	0.67	14.4	0.57

Other Non Standard option: See uni AmFlight Overview.



	mm	in
A min	38.3	1.51
B min	32.1	1.26
C	18.0	0.71
PI max	W - 106.4	W - 4.19
PI min	33.2	1.31

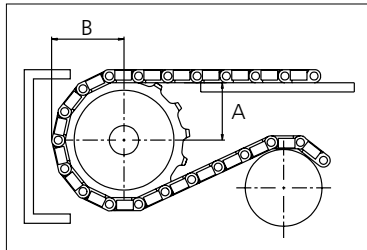
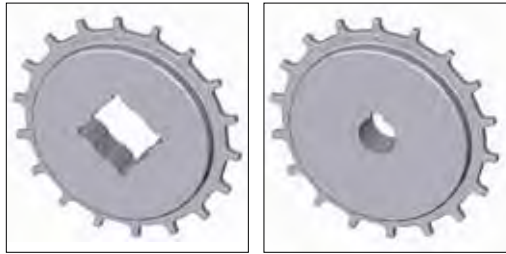
Increment: 12.7 mm (0.50 in).

Sprocket

No. of teeth	Pilot Bore	Bore size											Overall diameter		Pitch-diameter		Hub-diameter		A-dimension		B-dimension		Single row/Two way	Double row/Two way	Molded PA6 LG	Machined PA6 N
		in	0.75	0.78	0.98	1.00	1.18	1.25	1.50	1.57	2.36	2.50														
		mm	19.1	20.0	25.0	25.4	30.0	31.8	38.1	40.0	60.0	63.5	90.0	mm	in	mm	in	mm	in	mm	in					
Z10	x				●	●	●	■	●				86.0	3.39	82.2	3.24	65.0	2.56	34.7	1.37	45.5	1.79	x		x	
Z12	x				●	●	●	■	●				102.6	4.04	98.1	3.86	65.0	2.56	43.0	1.69	53.5	2.11	x		x	
Z18	x					●	●	●	■	●			151.8	5.98	146.3	5.76	65.0	2.56	67.6	2.66	77.6	3.06	x		x	
Z18	x									■	■		151.8	5.98	146.3	5.76	120.0	4.72	67.6	2.66	77.6	3.06	x		x	
Z19	x					●	●	■	■				160.0	6.3	154.3	6.07	65.0	2.56	71.7	2.82	81.6	3.21	x		x	
Z19	x									■	■		160.0	6.3	154.3	6.07	120.0	4.72	71.7	2.82	81.6	3.21	x		x	
Z20	x					●	●	■	■				168.2	6.62	162.4	6.39	65.0	2.56	75.8	2.98	85.6	3.37	x		x	
Z20	x									■	■		168.2	6.62	162.4	6.39	120.0	4.72	75.8	2.98	85.6	3.37	x		x	

■ Molded sprocket

● Molded sprocket



Other sprocket sizes are available upon request.
 Two-part sprocket are available upon request.
 Round bores are always delivered with keyway.
 Other bore sizes are available upon request.
 uni Retainer Rings: See uni Retainer Ring data sheet.
 Width of tooth = 6.0 mm (0.24 in)
 Width of sprocket = 25.0 mm (0.98 in)

Max load per sprocket shown does not take bore size into account.
 Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni SNB.
 For more detailed sprocket information, contact Customer Service.

Non standard material and color: See uni Material and Color Overview.

uni SNB M2 20%/1409



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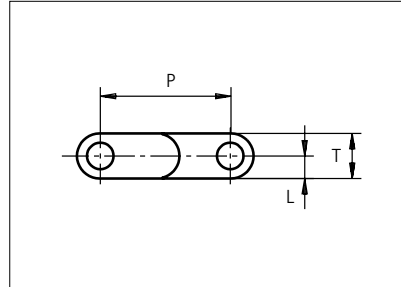
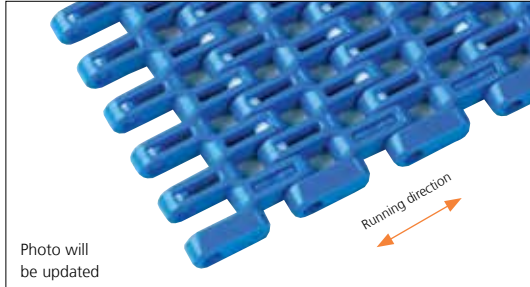
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Plastic Modular Belt

Series **uni SNB** Type **M2 34%**



Straight running belt
 Nominal pitch: 25.4 mm (1.00 in)
 Surface type: Flat
 Surface opening: 34%
 Backflex radius: 30.0 mm (1.20 in)
 Pin diameter: \varnothing 5 mm (0.20 in)

*P (Nominal)

STANDARD

Belt material & color	POM-D	PP	PP	PP	PE	PE	mm	in	mm	in			
	B	B	G	W	N	B							
Pin material & color	PP B		PP W			PE N		P (Nominal)	25.4	1.00	L	4.4	0.17
								T	8.8	0.35	-	-	-

Non standard material and color: See uni Material and Color Overview.

Alternative pin and lock materials: Pin: PP **W** PE **W** PA6.6 **B** PBT **LG** SS304 Lockpin: PBT **LG** PA6.6 **D** **N** PP **B** **W** PE **N**
 Endlock: PP **B** **G** **W**

STRAIGHT RUNNING

Belt width		Permissible tensile force (Belt/pin material)						Belt weight (Belt/pin material)						*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-D/PP		PP/PP		PE/PE		POM-D/PP		PP/PP		PE/PE			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft	kg/m	lb/ft			
45	1.8	1034	232	660	148	440	99	0.3	0.19	0.2	0.13	0.2	0.13	2	1	1
77	3.0	1810	407	1155	260	770	173	0.5	0.33	0.3	0.22	0.3	0.23	2	2	2
153	6.0	3596	808	2295	516	1530	344	1.0	0.65	0.7	0.44	0.7	0.45	2	2	2
229	9.0	5382	1210	3435	772	2290	515	1.4	0.97	1.0	0.66	1.0	0.68	2	2	2
305	12.0	7168	1611	4575	1028	3050	686	1.9	1.29	1.3	0.88	1.3	0.90	3	3	2
381	15.0	8954	2013	5715	1285	3810	856	2.4	1.61	1.6	1.10	1.7	1.13	3	3	2
457	18.0	10740	2414	6855	1541	4570	1027	2.9	1.93	2.0	1.32	2.0	1.35	4	4	2
533	21.0	12526	2816	7995	1797	5330	1198	3.4	2.26	2.3	1.54	2.3	1.58	4	4	2
609	24.0	14312	3217	9135	2054	6090	1369	3.8	2.58	2.6	1.76	2.7	1.80	5	5	3
686	27.0	16121	3624	10290	2313	6860	1542	4.3	2.90	2.9	1.98	3.0	2.03	5	5	3
762	30.0	17907	4025	11430	2569	7620	1713	4.8	3.23	3.3	2.20	3.4	2.25	6	6	3
838	33.0	19693	4427	12570	2826	8380	1884	5.3	3.55	3.6	2.42	3.7	2.48	6	6	3
914	36.0	21479	4828	13710	3082	9140	2055	5.8	3.87	3.9	2.64	4.0	2.70	7	7	4

Additional standard belt widths are available in steps of 76.1 mm (3.00 in.) Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in.)

1979	77.9	46507	10455	29685	6673	19790	4449	12.5	8.38	8.5	5.72	8.7	5.85	14	14	7
------	------	-------	-------	-------	------	-------	------	------	------	-----	------	-----	------	----	----	---

Additional standard belt widths are available in steps of 76.1 mm (3.00 in.) Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in.)

2969	116.9	69772	15685	44535	10011	29690	6674	18.7	12.57	12.8	8.58	13.1	8.78	20	20	10
------	-------	-------	-------	-------	-------	-------	------	------	-------	------	------	------	------	----	----	----

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request

*Max. Load per Drive Sprocket. Belt material: POM-D 1400 N (315 lbf). PP 1100 N (247 lbf). PE 1100 N (247 lbf)

**Max. Spacing between wear strips. Carry: 152 mm (6 in.); Return: 304 mm (12 in.)

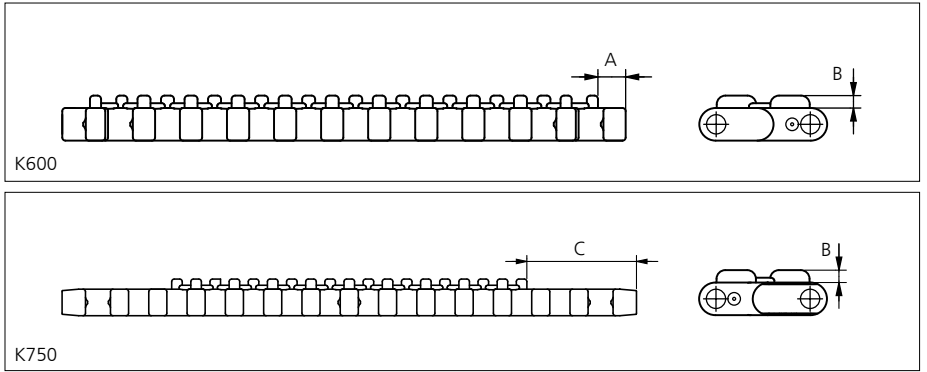
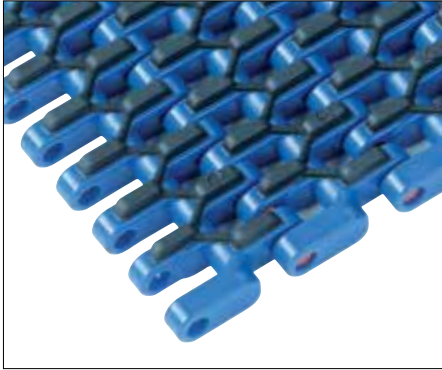
= Single Link



PITCH 25.4 MM/1.00 IN

Accessories

Rubber Top

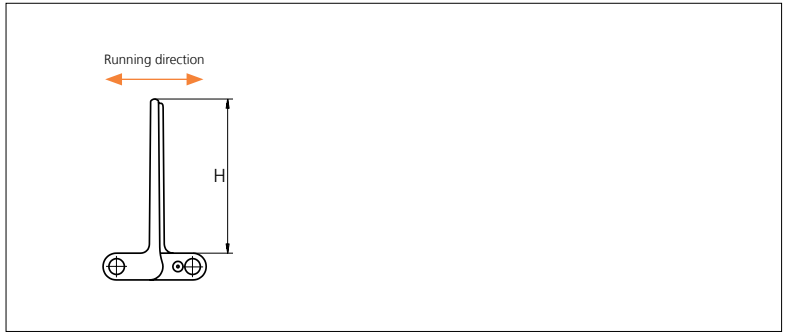
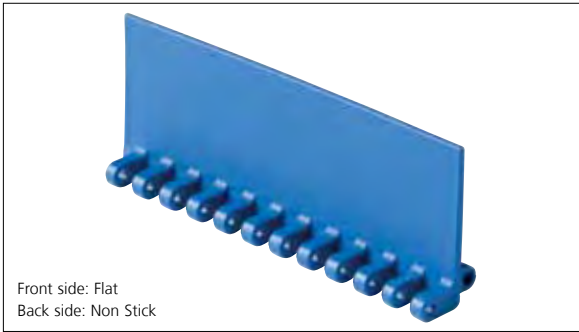


Type	Belt material & color	Rubber material & color	A		B		C		Link size	Width	
			mm	in	mm	in	mm	in		mm	in
M2 20% Flat	PP B	03 K	7.5	0.30	3.4	0.13	36.0	1.41	K300	77.0	3.00
									K600	152.4	6.00
	PP W	03 N							K750	190.5	7.50

Non Standard material and color: See uni Material and Color Overview.

Accessories

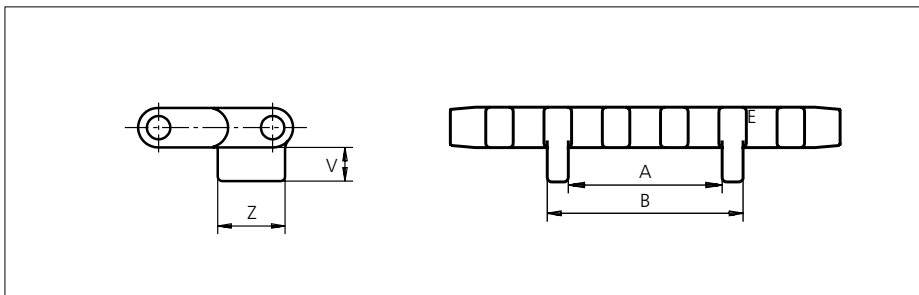
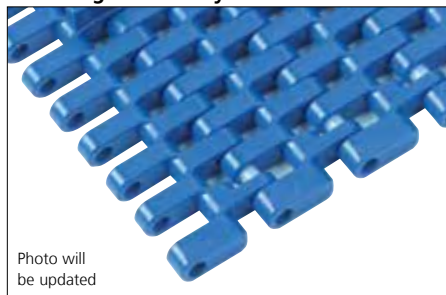
Flight



Type	Flight Material & color	H		Link size	Width	
		mm	in		mm	in
M2 20% Flat Non Stick	PP-I W B PE N B	5.0	0.20	K600	151.1	5.99
		25.4	1.00			
		50.8	2.00			
		76.2	3.00			
		101.6	4.00			

Accessories

Tab / Single Link Only

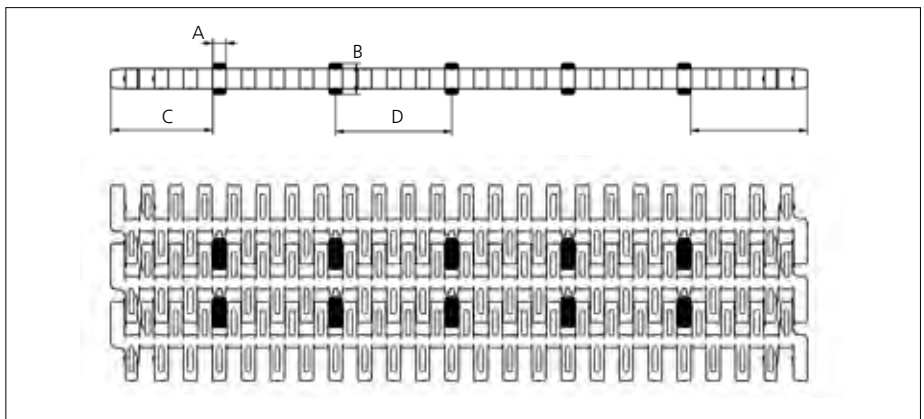
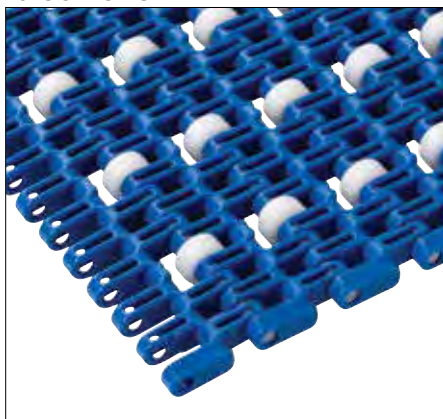


Type	Tab Material & color	V		Z		A		B		Link size	Width	
		mm	in	mm	in	mm	in	mm	in		mm	in
M2 20% Bottom Guide	POM-D B	7.50	0.29	15.0	0.59	33.5	1.19	42.7	1.68	K325	82.3	3.24
	PP B									K335	85.0	3.35
										K450	114.3	4.50
										K600	152.1	5.99
										K750	189.4	7.46

Non Standard material and color: See uni Material and Color Overview.

Accessories

Rollers NON STANDARD

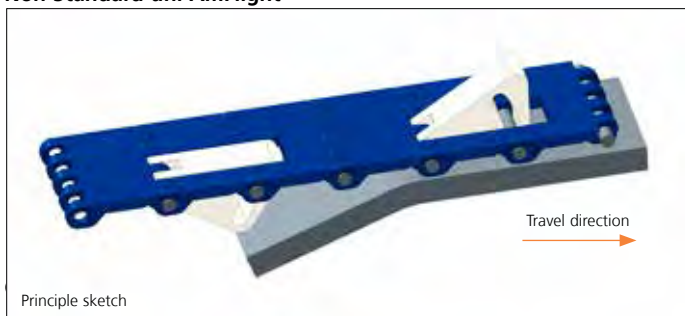


Type	Roller material & color	A		B		C		D		E	
		mm	in	mm	in	mm	in	mm	in	mm	in
Plastic	POM-D W	5.7	0.22	13.5	0.53	44.6	1.75	50.8	2.00	51.0	2.01

Non Standard material and color: See uni Material and Color Overview.

Accessories

Non Standard uni AmFlight

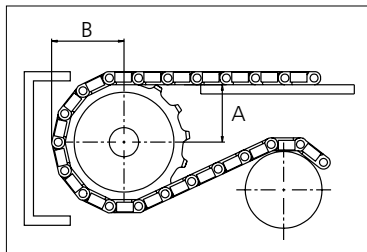
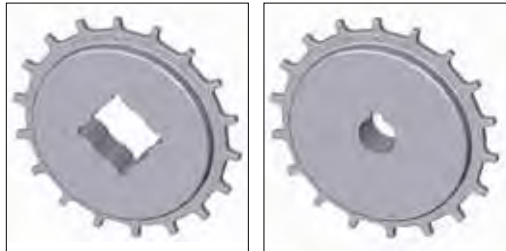


Sprocket

No of teeth	Bore size													Overall diameter		Pitch-diameter		Hub-diameter		A-dimension		B-dimension		Single row/Two way	Double row/Two way	Molded PA6 LG	Machined PA6 N
	Pilot Bore	in	0.75	0.78	0.98	1.00	1.18	1.25	1.50	1.57	2.36	2.50	3.54														
	mm	19.1	20.0	25.0	25.4	30.0	31.8	38.1	40.0	60.0	63.5	90.0	mm	in	mm	in	mm	in	mm	in							
Z10	x				●	●	●	■	●				86.0	3.39	82.2	3.24	65.0	2.56	34.7	1.37	45.5	1.79	x		x		
Z12	x				●	●	●	■	●				102.6	4.04	98.1	3.86	65.0	2.56	43.0	1.69	53.5	2.11	x		x		
Z18	x					●	●	●	■	●			151.8	5.98	146.3	5.76	65.0	2.56	67.6	2.66	77.6	3.06	x		x		
Z18	x									■	■		151.8	5.98	146.3	5.76	120.0	4.72	67.6	2.66	77.6	3.06	x		x		
Z19	x					●	●	●	■	■			160.0	6.3	154.3	6.07	65.0	2.56	71.7	2.82	81.6	3.21	x		x		
Z19	x									■	■		160.0	6.3	154.3	6.07	120.0	4.72	71.7	2.82	81.6	3.21	x		x		
Z20	x					●	●	●	■	■			168.2	6.62	162.4	6.39	65.0	2.56	75.8	2.98	85.6	3.37	x		x		
Z20	x									■	■		168.2	6.62	162.4	6.39	120.0	4.72	75.8	2.98	85.6	3.37	x		x		

■ Molded sprocket

● Molded sprocket



Other sprocket sizes are available upon request.
 Two-part sprocket are available upon request.
 Round bores are always delivered with keyway.
 Other bore sizes are available upon request.
 uni Retainer Rings: See uni Retainer Ring data sheet.
 Width of tooth = 6.0 mm (0.24 in)
 Width of sprocket = 25.0 mm (0.98 in)

Max load per sprocket shown does not take bore size into account.
 Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni SNB.
 For more detailed sprocket information, contact Customer Service.

Non standard material and color: See uni Material and Color Overview.

uni SNB M2 34%/1311



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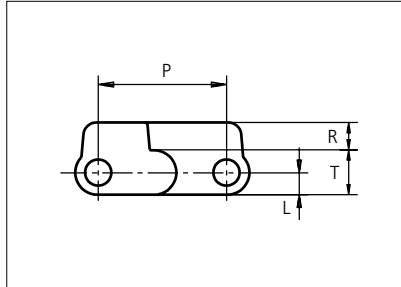
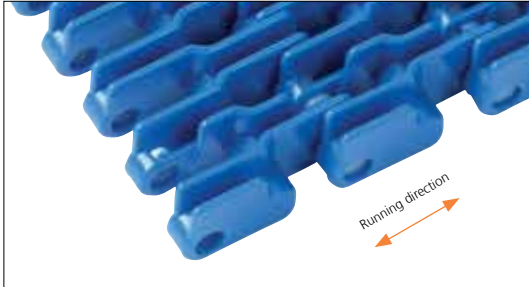
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Plastic Modular Belt

Series **uni SNB** Type **M2 34% Rib**



Straight running belt
 Nominal pitch: 25.4 mm (1.00 in)
 Surface type: Rib Top
 Surface opening: 34%
 Backflex radius: 30.0 mm (1.20 in)
 Pin diameter: ø5 mm (0.20 in)

Belt material & color	POM-SLF B	PP B	mm	in		mm	in	
			P (Nominal)	25.4	1.00	R	5.5	0.22
Pin material & color	PP B		L	4.4	0.17	T	8.8	0.35

Non standard material and color: See uni Material and Color Overview.

Alternative pin and lock materials: Pin: PA6.6 **B** SS304

Endlock: PP **B**

Lockpin: PP **W** PBT **LG** PA6.6 **D** **N** PE **N**

Belt width		Permissible tensile force (Belt/pin material)				Belt weight (Belt/pin material)				*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-SLF/PP		PP/PP		POM-SLF/PP		PP/PP			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	N	lbf	Kg/m	lb/ft	Kg/m	lb/ft			
77	3.0	1810	407	1155	260	0.5	0.33	0.3	0.22	2	2	2
153	6.0	3596	808	2295	516	1.0	0.65	0.7	0.44	2	2	2
229	9.0	5382	1210	3435	772	1.4	0.97	1.0	0.66	2	2	2
305	12.0	7168	1611	4575	1028	1.9	1.29	1.3	0.88	3	3	2
381	15.0	8954	2013	5715	1285	2.4	1.61	1.6	1.10	3	3	2
457	18.0	10740	2414	6855	1541	2.9	1.93	2.0	1.32	4	4	2
533	21.0	12526	2816	7995	1797	3.4	2.26	2.3	1.54	4	4	2
609	24.0	14312	3217	9135	2054	3.8	2.58	2.6	1.76	5	5	3
685	27.0	16098	3619	10275	2310	4.3	2.90	2.9	1.98	5	5	3
761	30.0	17884	4020	11415	2566	4.8	3.22	3.3	2.20	6	6	3
837	33.0	19670	4422	12555	2822	5.3	3.54	3.6	2.42	6	6	3
913	35.9	21456	4823	13695	3079	5.8	3.87	3.9	2.64	7	7	4
989	38.9	23242	5225	14835	3335	6.2	4.19	4.3	2.86	7	7	4

Additional standard belt widths are available in steps of 76.1 mm (3.00 in.) Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in.)

1979	77.9	46507	10455	29685	6673	12.5	8.38	8.5	5.72	14	14	7
------	------	-------	-------	-------	------	------	------	-----	------	----	----	---

Additional standard belt widths are available in steps of 76.1 mm (3.00 in.) Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in.)

2969	116.9	69772	15685	44535	10011	18.7	12.57	12.8	8.58	20	20	10
------	-------	-------	-------	-------	-------	------	-------	------	------	----	----	----

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.

*Max. Load per Drive Sprocket. Belt material: POM-D 1400 N (315 lbf), PP 1100 N (247 lbf)

**Max. Spacing between wear strips, Carry: 152 mm (6 in.) ; Return: 304 mm (12 in.)



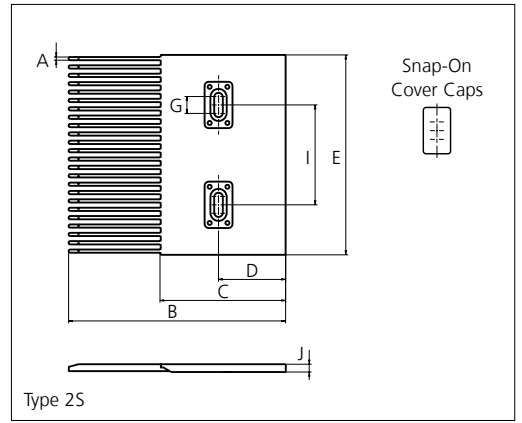
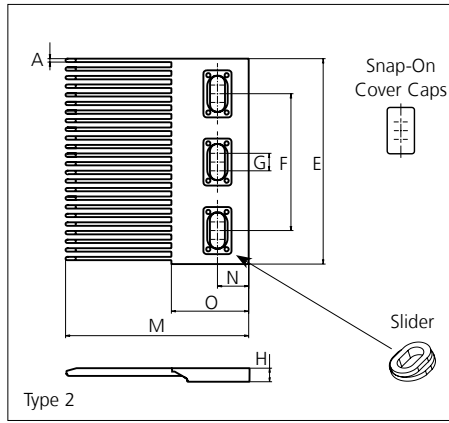
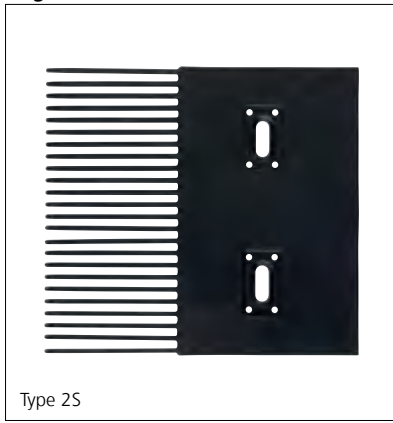
STANDARD

STRAIGHT RUNNING

PITCH 25.4 MM/1.00 IN

Accessories

Finger Plates



Type	Material & color	A		B		C		D		E		F			
		mm	in	mm	in	mm	in	mm	in	mm	in	mm	in		
Single Sided	POM-EC K	2.5	0.10	165.0	6.50	95.0	3.74	51.0	2.01	152.1	5.99	100.0	3.94		
Single Sided															
		G		H		I		J		M		N		O	
		mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in
		12.0	0.47	10.3	0.41	76.0	3.00	6.0	0.24	135.0	5.31	23.0	0.91	57.0	2.24

All uni-chains belt systems are available in a raised rib version that can be supplied with matching finger plates also called combs. The finger plates are supplied with cover caps which can be attached when the finger plate has been installed. The cover caps can be removed by using a screwdriver that can be inserted between the cover and finger plate. In order to adjust to belt width variations caused by temperature fluctuations, a slider facilitates the sideways movement of the finger plates.

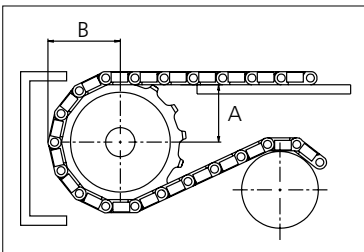
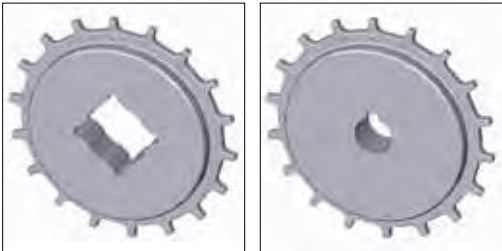
Non Standard material and color: See uni Material and Color Overview.

Sprocket

No of teeth	Bore size													Overall diameter		Pitch-diameter		Hub-diameter		A-dimension		B-dimension		Single row/Two way	Double row/Two way	Material	
	Pilot Bore	in	0.75	0.78	0.98	1.00	1.18	1.25	1.50	1.57	2.36	2.50	3.54													mm	in
	mm	19.1	20.0	25.0	25.4	30.0	31.8	38.1	40.0	60.0	63.5	90.0	mm	in	mm	in	mm	in	mm	in	mm	in	PA6 LG	PA6 N			
Z10	x				●	●	●	■	●				86.0	3.39	82.2	3.24	65.0	2.56	34.7	1.37	45.5	1.79	x		x		
Z12	x				●	●	●	■	●				102.6	4.04	98.1	3.86	65.0	2.56	43.0	1.69	53.5	2.11	x		x		
Z18	x					●	●	■	●				151.8	5.98	146.3	5.76	65.0	2.56	67.6	2.66	77.6	3.06	x		x		
Z18	x									■	●		151.8	5.98	146.3	5.76	120.0	4.72	67.6	2.66	77.6	3.06	x		x		
Z19	x					●	●	■	●				160.0	6.3	154.3	6.07	65.0	2.56	71.7	2.82	81.6	3.21	x		x		
Z19	x									■	●		160.0	6.3	154.3	6.07	120.0	4.72	71.7	2.82	81.6	3.21	x		x		
Z20	x					●	●	■	●				168.2	6.62	162.4	6.39	65.0	2.56	75.8	2.98	85.6	3.37	x		x		
Z20	x									■	●		168.2	6.62	162.4	6.39	120.0	4.72	75.8	2.98	85.6	3.37	x		x		

■ Molded sprocket

● Molded sprocket



Non standard material and color: See uni Material and Color Overview.

Other sprocket sizes are available upon request.

Two-part sprocket are available upon request.

Round bores are always delivered with keyway.

Other bore sizes are available upon request.

uni Retainer Rings: See uni Retainer Ring data sheet.

Width of tooth = 6.0 mm (0.24 in)

Width of sprocket = 25.0 mm (0.98 in)

Max load per sprocket shown does not take bore size into account. Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni SNB. For more detailed sprocket information, contact Customer Service.



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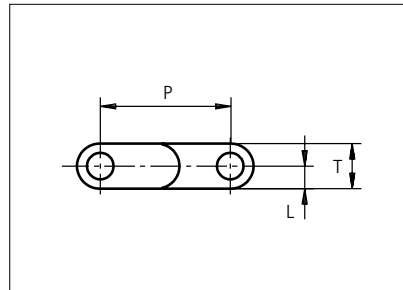
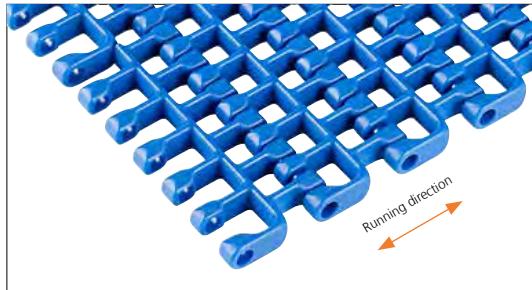
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Plastic Modular Belt

Series **uni SNB** Type **M2 50%**



Straight running belt
 Nominal pitch: 25.4 mm (1.00 in)
 Surface type: Flat
 Surface opening: 50%
 Backflex radius: 30.0 mm (1.20 in)
 Pin diameter: 5 mm (0.20 in)

Belt material & color	PA6.6 B	PP B	PP W G	mm	in		mm	in	
	Pin material & color			P (Nominal)	25.4	1.00	L	4.4	0.17
	PP B			T	8.8	0.35	-	-	-

Non standard material and color: See uni Material and Color Overview.

Alternative pin and lock materials: Lockpin: PBT **LG** PA6.6 **D** **N** PP **B** **W** PE **N**

Belt width		Permissible tensile force (Belt/pin material)				Belt weight (Belt/pin material)				*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		PP/PP		PA6.6/PP		PP/PP		PA6.6/PP			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft			
153	6.0	1836	413	3060	688	0.5	0.31	0.6	0.38	2	2	2
229	9.0	2749	618	4582	1030	0.7	0.47	0.8	0.57	2	2	2
305	12.0	3662	823	6104	1372	0.9	0.62	1.1	0.75	3	3	2
381	15.0	4576	1029	7626	1714	1.2	0.78	1.4	0.94	3	3	2
457	18.0	5489	1234	9148	2056	1.4	0.93	1.7	1.13	4	4	2
534	21.0	6402	1439	10670	2399	1.6	1.09	2.0	1.32	4	4	2
610	24.0	7315	1644	12192	2741	1.8	1.24	2.2	1.50	5	5	3
686	27.0	8228	1850	13714	3083	2.1	1.40	2.5	1.69	5	5	3
762	30.0	9142	2055	15236	3425	2.3	1.55	2.8	1.88	6	6	3
838	33.0	10055	2260	16758	3767	2.5	1.71	3.1	2.07	6	6	3
914	36.0	10968	2466	18280	4109	2.8	1.86	3.4	2.25	7	7	4
990	39.0	11881	2671	19802	4451	3.0	2.02	3.6	2.44	7	7	4
1066	42.0	12794	2876	21324	4794	3.2	2.17	3.9	2.63	8	8	4

Additional standard belt widths are available in steps of 76.1 mm (3.00 in). Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in).

1979	77.9	23748	5339	39580	8898	6.0	4.03	7.3	4.88	14	14	7
------	------	-------	------	-------	------	-----	------	-----	------	----	----	---

Additional standard belt widths are available in steps of 76.1 mm (3.00 in). Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in).

2969	116.9	35628	8009	59380	13349	9.0	6.05	10.9	7.32	20	20	10
------	-------	-------	------	-------	-------	-----	------	------	------	----	----	----

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.

Belt widths in PA66 is 0.2 % wider than the belt widths in the table above.

*Max. Load per Drive Sprocket. Belt material: PP 1100 N (247 lbf); PA66 1400 N (315 lbf).

**Max. Spacing between wear strips, Carry: 152 mm (6 in); Return: 304 mm (12 in).

= Single Link



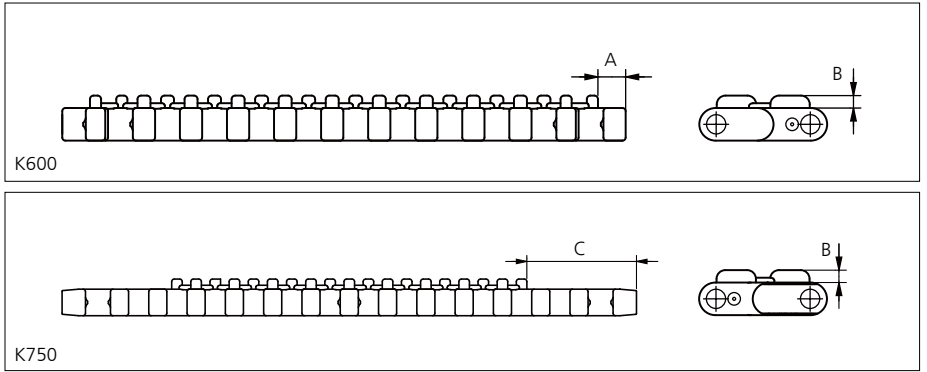
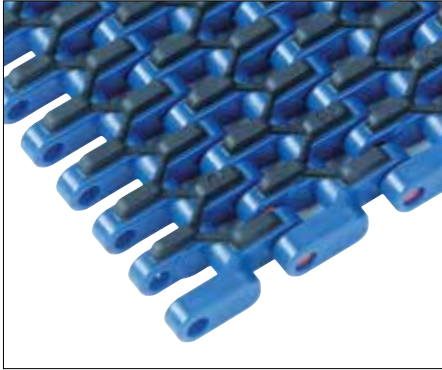
STANDARD

STRAIGHT RUNNING

PITCH 25.4 MM/1.00 IN

Accessories

Rubber Top

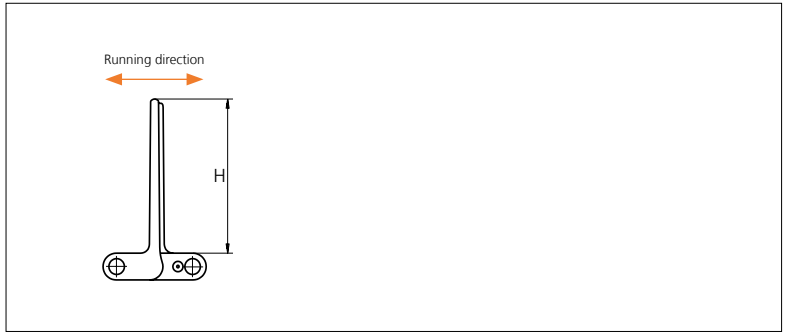
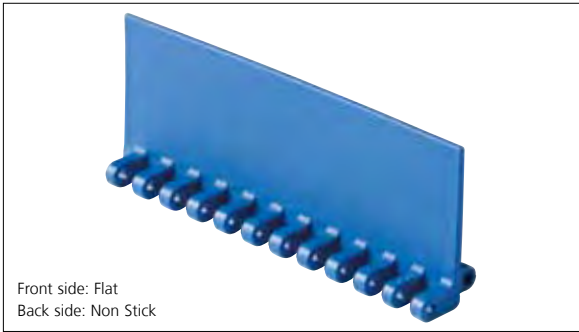


Type	Belt material & color	Rubber material & color	A		B		C		Link size	Width	
			mm	in	mm	in	mm	in		mm	in
M2 20% Flat	PP B	03 K	7.5	0.30	3.4	0.13	36.0	1.41	K300	77.0	3.00
									K600	152.4	6.00
	PP W	03 N							K750	190.5	7.50

Non Standard material and color: See uni Material and Color Overview.

Accessories

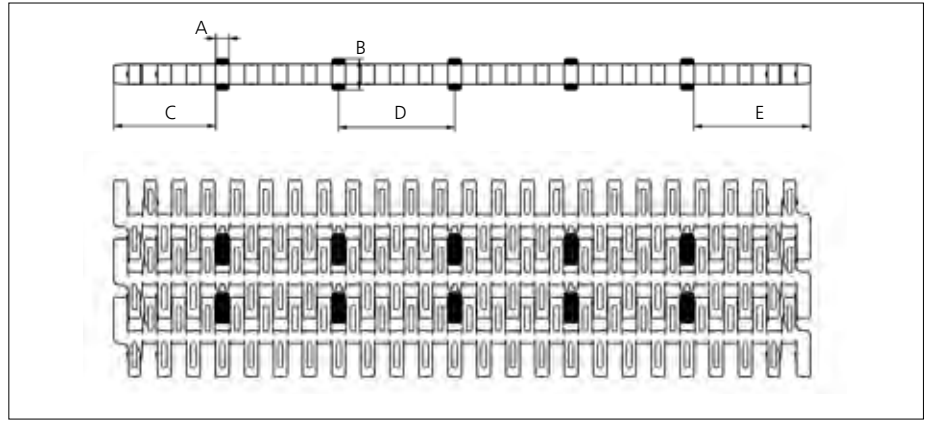
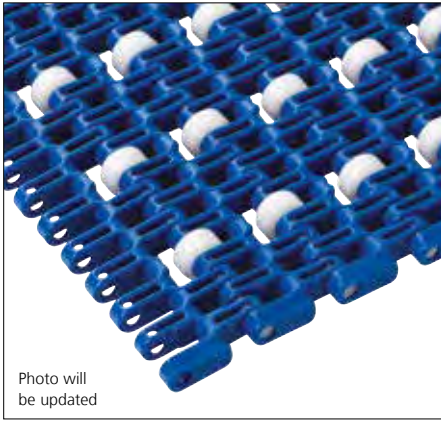
Flight



Type	Flight Material & color	H		Link size	Width	
		mm	in		mm	in
M2 20% Flat Non Stick	PP-I W B PE N B	5.0	0.20	K600	151.1	5.99
		25.4	1.00			
		50.8	2.00			
		76.2	3.00			
		101.6	4.00			

Accessories

Rollers NON STANDARD

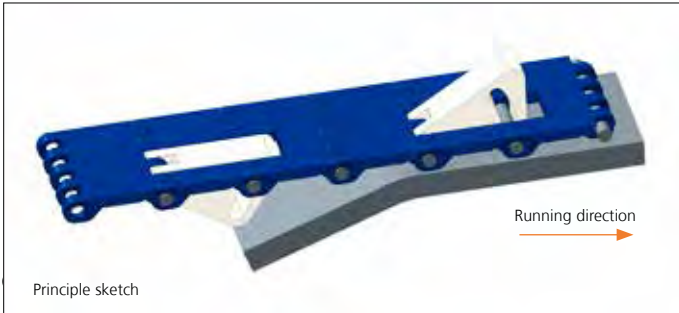


Type	Roller material & color	A		B		C		D		E	
		mm	in	mm	in	mm	in	mm	in	mm	in
Plastic	POM-D W	5.7	0.22	13.5	0.53	44.6	1.75	50.8	2.00	51.0	2.01

Non Standard material and color: See uni Material and Color Overview.

Accessories

Non Standard uni AmFlight

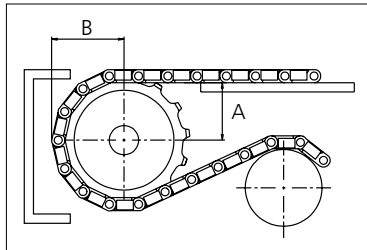
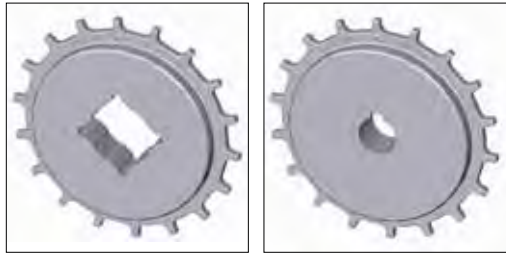


Sprocket

No. of teeth	Bore size													Overall diameter		Pitch diameter		Hub diameter		Dimension A		Dimension B		Single row/Two way	Double row/Two way	Molded PA6 LG	Machined PA6 N
	Pilot Bore																										
	in	mm	0.75	0.78	0.98	1.00	1.18	1.25	1.50	1.57	2.36	2.50	3.54	mm	in	mm	in	mm	in	mm	in						
Z10	x					●	●	●	■	●				86.0	3.39	82.2	3.24	65.0	2.56	34.7	1.37	45.5	1.79	x		x	
Z12	x					●	●	●	■	●				102.6	4.04	98.1	3.86	65.0	2.56	43.0	1.69	53.5	2.11	x		x	
Z18	x						●	●	●	■	●			151.8	5.98	146.3	5.76	65.0	2.56	67.6	2.66	77.6	3.06	x		x	
Z18	x										■	■		151.8	5.98	146.3	5.76	120.0	4.72	67.6	2.66	77.6	3.06	x		x	
Z19	x						●	●	■	■	■			160.0	6.3	154.3	6.07	65.0	2.56	71.7	2.82	81.6	3.21	x		x	
Z19	x										■	■		160.0	6.3	154.3	6.07	120.0	4.72	71.7	2.82	81.6	3.21	x		x	
Z20	x						●	●	■	■	■			168.2	6.62	162.4	6.39	65.0	2.56	75.8	2.98	85.6	3.37	x		x	
Z20	x										■	■		168.2	6.62	162.4	6.39	120.0	4.72	75.8	2.98	85.6	3.37	x		x	

■ Molded sprocket

● Molded sprocket



Non standard material and color: See uni Material and Color Overview.

Other sprocket sizes are available upon request.

Two-part sprocket are available upon request.

Round bores are always delivered with keyway.

Other bore sizes are available upon request.

uni Retainer Rings: See uni Retainer Ring data sheet.

Width of tooth = 6.0 mm (0.24 in)

Width of sprocket = 25.0 mm (0.98 in)

Max load per sprocket shown does not take bore size into account.

Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni SNB.

For more detailed sprocket information. contact Customer Service.

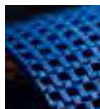
uni SNB M2 50%/1409



Conveyor Belts



Seamless Belts



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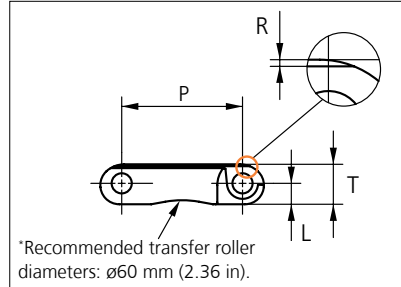
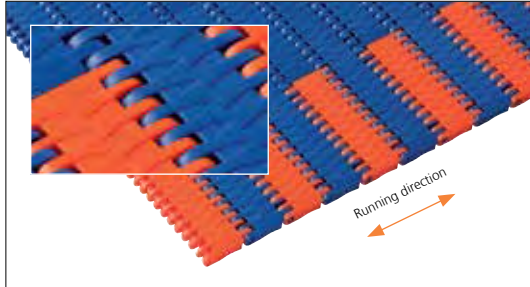
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Plastic Modular Belt

Series **uni JCB** Type **Y**



Straight running belt
 Nominal pitch: 25.4 mm (1.00 in)
 Surface type: Y Pattern surface grid
 Surface opening: 0%
 Backflex radius: 25.0 mm (0.98 in)
 Pin diameter: 4.0 mm (0.16 in)

Belt material & color	POM SLF B
Pin material & color	PA6.6 B PA6.6 O *

	mm	in		mm	in
P (Nominal)	25.4	1.00	T	8.4	0.33
L	4.4	0.17	R	0.4	0.02

POM SLF orange or yellow links can be used as SAFE WALK markers.
 *Only for K200

Belt width		Permissible tensile force (Belt/pin material)		Belt weight (Belt/pin material)		*Min No drive sprocket per shaft	Number of wear strips (min no)	
		POM SLF/PA6.6		POM SLF/PA6.6			***Carry (pcs)	**Return (pcs)
mm	in	N	lbf	kg/m	lb/ft			
50.3	2.0	1761	396	0.3	0.22	1	2	2
76	3.0	2660	598	0.5	0.33	2	2	2
153	6.0	5355	1204	1.0	0.67	2	2	2
229	9.0	8015	1802	1.5	1.00	2	2	2
305	12.0	10675	2400	2.0	1.33	3	3	2
382	15.0	13370	3006	2.5	1.67	3	3	2
458	18.0	16030	3604	3.0	2.00	4	4	2
534	21.0	18690	4202	3.5	2.33	4	4	2
610	24.0	21350	4799	4.0	2.66	5	5	3
687	27.0	24045	5405	4.5	3.00	5	5	3
763	30.0	26705	6003	5.0	3.33	6	6	3
839	33.0	29365	6601	5.5	3.67	6	6	3
915	36.0	32025	7199	5.9	4.00	7	7	4

Standard Increments in belt width: 76.3 mm (3.00 in).

1983	78.1	69405	15602	12.9	8.66	14	14	7
------	------	-------	-------	------	------	----	----	---

Standard Increments in belt width: 76.3 mm (3.00 in).

2974	117.1	104090	23399	19.3	12.99	20	20	10
------	-------	--------	-------	------	-------	----	----	----

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.

*Max. Load per Drive Sprocket. Belt material: POM-SLF 2300 N (517 lbf).

**Max. Spacing between wear strips, Carry: 152 mm (6 in); Return: 304 mm (12 in).

***Full Carry way Support (FS) deck of wearstrip material recommended for safe walk belts.

= Single Link



STANDARD

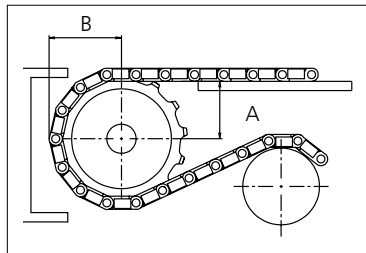
STRAIGHT RUNNING

PITCH 25.4 MM/1.00 IN

Sprocket

No of teeth	Bore size									Overall diameter		Pitch-diameter		Hub-diameter		A-dimension		B-dimension		Single row/Two way	Double row/Two way	Molded PA6 LG	Machined PA6 N	
	Pilot bore	in	1.00	1.18	1.25	1.50	1.57	2.36	2.50															
	mm	25.4	30.0	31.8	38.1	40.0	60.0	63.5	mm	in	mm	in	mm	in	mm	in								
Z10	x		●	●	●	■	●			80.3	3.16	82.2	3.24	65.0	2.56	34.7	1.36	45.5	1.79	x		x		
Z12	x		●	●	●	■	●			96.8	3.81	98.1	3.86	70.0	2.76	43.0	1.69	53.5	2.11	x		x		
Z15	x			●	●	■	●	■	2	1	121.5	4.78	122.2	4.81	100.0 104.0	2.76 3.94 4.09	55.4	2.18	65.5	2.58	x		x	
Z18	x			●	●	■	●	■	2	1	146.0	5.75	146.3	5.76	70.0 104.0 120.0	2.76 3.94 4.72	67.6	2.66	77.5	3.05	x		x	
Z19	x			●	●	■	■	■	1	1	154.2	6.07	154.3	6.07	70.0 120.0	2.76 4.72	71.7	2.82	81.6	3.21	x		x	

● Moulded sprocket ■ Moulded sprocket ■ Moulded sprocket



Same sprocket type as for the uni QNB serie.
 Other sprocket sizes are available upon request.
 Two-part sprockets are available upon request.
 Round bores are always delivered with keyway.
 Other bore sizes are available upon request.
 uni Retainer Rings: See uni Retainer Ring data sheet.
 Width of tooth = 10.0 mm (0.39 in)
 Width of sprocket = 25.0 mm (0.98 in)

Max load per sprocket shown does not take bore size into account.
 Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni JCB.
 For more detailed sprocket information, contact Customer Service.

Non standard material and color: See uni Material and Color Overview.

uni JCB Y/1409



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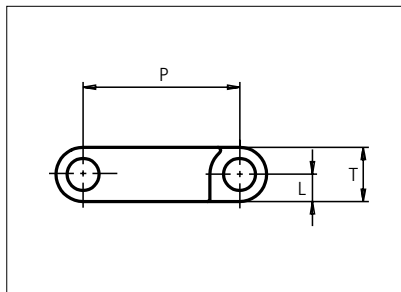
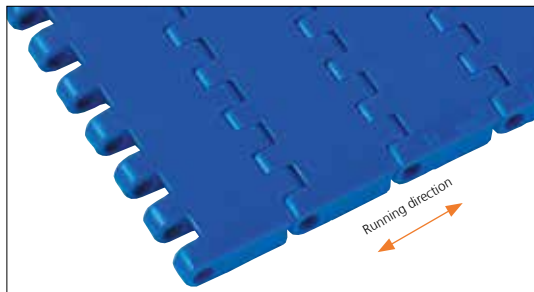
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Plastic Modular Belt

Series **uni QNB** Type **C**



Straight running belt
 Nominal pitch: 25.4 mm (1.00 in)
 Surface type: Flat
 Surface opening: Closed
 Backflex radius: 40.0 mm (1.57 in)
 Pin diameter: 5.0 mm (0.19 in)

Belt material & color	POM-SLF B	PP B	PP W		mm	in		mm	in	
					P (Nominal)	25.4	1.00	L	4.4	0.17
Pin material & color	PP B		PP W		T	8.8	0.35	-	-	-

Non standard material and color: See uni Material and Color Overview.

Alternative pin and lock materials: Solid Lockpin: PA6.6 **D** Pin: PP **W** PA6.6 **B** PE **W** PBT **LG** and SS304 Endlock: PP **D**
 Lockpin: PBT **LG** PA6.6 **D** PP **B** **W**

Belt width		Permissible tensile force (Belt/pin material)				Belt weight (Belt/pin material)				*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-SLF/PP		PP/PP		POM-SLF/PP		PP/PP			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft			
39	1.5	1365	307	780	175	0.3	0.22	0.2	0.14	1	1	1
51	2.0	1768	397	1010	227	0.4	0.29	0.3	0.18	2	1	1
77	3.0	2695	606	1540	346	0.6	0.43	0.4	0.28	2	2	2
153	6.0	5355	1204	3060	688	1.3	0.86	0.8	0.56	2	2	2
229	9.0	8015	1802	4580	1030	1.9	1.29	1.2	0.83	2	2	2
305	12.0	10675	2400	6100	1371	2.6	1.72	1.6	1.11	3	3	2
382	15.0	13370	3006	7640	1717	3.2	2.16	2.1	1.39	3	3	2
458	18.0	16030	3604	9160	2059	3.8	2.59	2.5	1.66	4	4	2
534	21.0	18690	4202	10680	2401	4.5	3.01	2.9	1.94	4	4	2
610	24.0	21350	4799	12200	2743	5.1	3.44	3.3	2.21	5	5	3
687	27.0	24045	5405	13740	3089	5.8	3.88	3.7	2.49	5	5	3
763	30.0	26705	6003	15260	3430	6.4	4.31	4.1	2.77	6	6	3

Additional standard belt widths are available in steps of 76.3 mm (3.00 in). Additional non-standard belt widths are available in steps of 25.4 mm (1.00 in).

1983	78.1	69405	15602	39660	8916	16.7	11.19	10.7	7.20	14	14	7
------	------	-------	-------	-------	------	------	-------	------	------	----	----	---

Additional standard belt widths are available in steps of 76.3 mm (3.00 in). Additional non-standard belt widths are available in steps of 25.4 mm (1.00 in).

2974	117.1	104090	23399	59480	13371	25.0	16.79	16.1	10.79	20	20	10
------	-------	--------	-------	-------	-------	------	-------	------	-------	----	----	----

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.

*Max. Load per Drive Sprocket. Belt material: POM-SLF 2300 N (517 lbf), PP 1300 N (292 lbf).

**Max. Spacing between wear strips, Carry: 152 mm (6 in); Return: 304 mm (12 in).

= Single Link



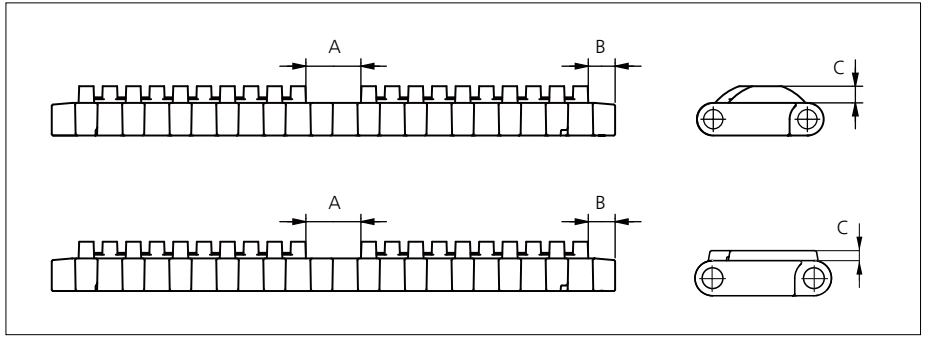
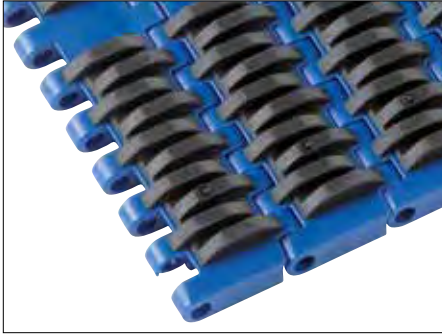
STANDARD

STRAIGHT RUNNING

PITCH 25.4 MM/1.00 IN

Accessories

Rubber Top

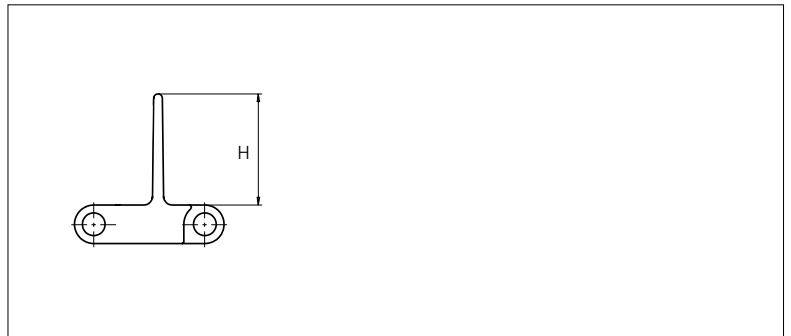
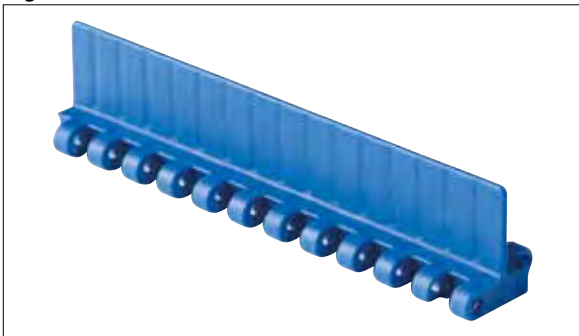


Type	Belt Material & color	Rubber Material & color	A		B		C		Link size	Width	
			mm	in	mm	in	mm	in		mm	in
Curved Rib	PP B	03 K	14.9	0.59	7.3	0.29	4.5	0.18	K300	75.8	2.98
Flat Rib			14.9	0.59	7.3	0.29	2.5	0.10	K600	152.0	5.98

Non Standard material and color: See uni Material and Color Overview.

Accessories

Flight

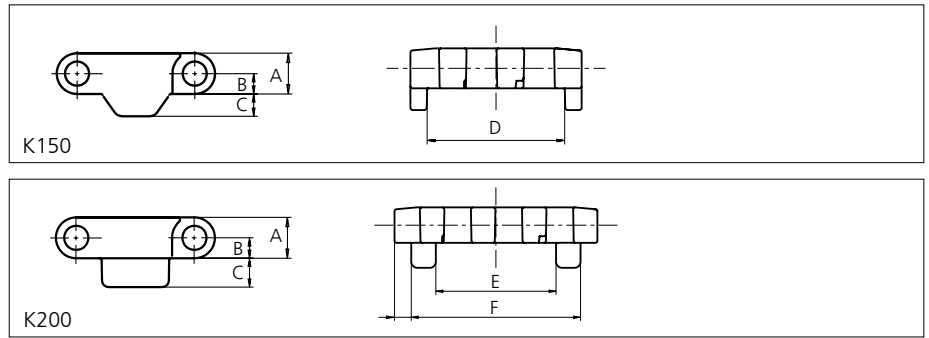
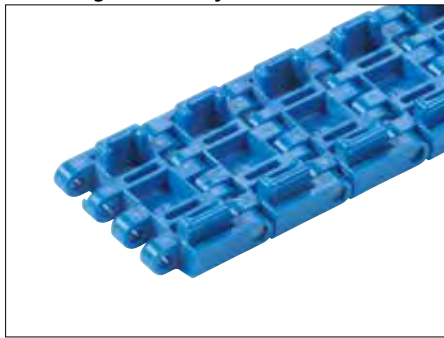


Type	Flight Material & color	H		Link size	Width		Indent	
		mm	in		mm	in	mm	in
Non Stick	PP-I B W	25.4	1.00	K600	152.0	5.98	0.0	0.00
	POM-SLF B							

Non Standard material and color: See uni Material and Color Overview.

Accessories

Tab – Single Link Only

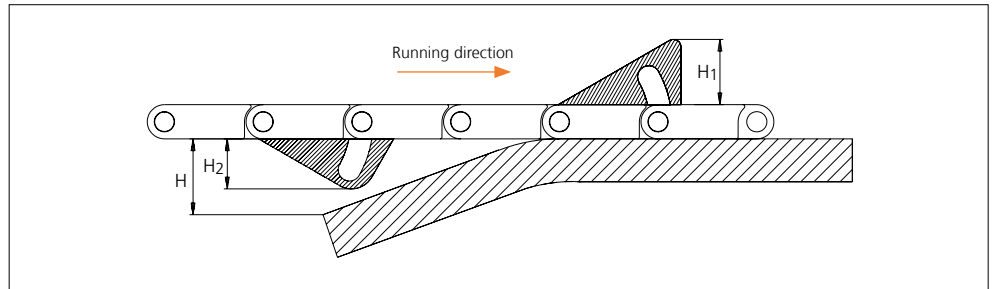
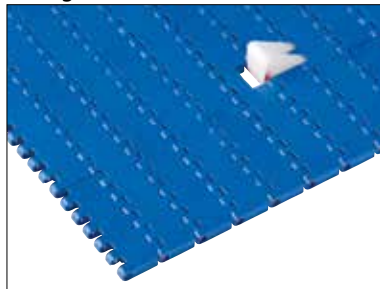


Type	Link material & color	Pin material & color	A		B		C		D		E		F		Link Size
			mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	
Bottom Guide	POM-SLF B	PBT LG PA6.6 D	8.8	0.35	4.4	0.17	4.8	0.19	30.3	1.19	29.9	1.18	42.1	1.66	K150 K200
	pp B														

⚡ Solid Lockpin as default lock system.
 Non Standard material and color: See uni Material and Color Overview.

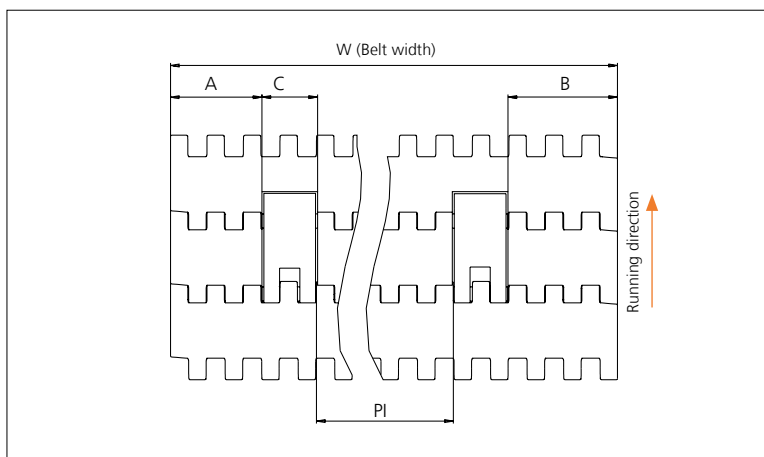
Accessories

AmFlight



Type	Material & color	H		H ¹		H ²	
		mm	in	mm	in	mm	in
Push	PE W	17.0	0.67	17.0	0.67	14.0	0.55

Other Non Standard option: See uni AmFlight Overview.



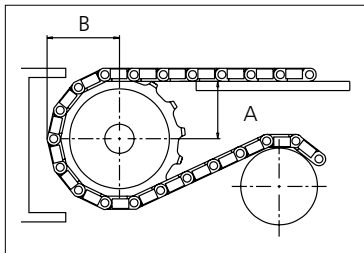
	mm	in
A min	32.4	1.28
B min	38.5	1.52
C	18.0	0.71
PI max	W - 106.9	W - 4.21
PI min	32.7	1.29

Increment: 12.7 mm (0.50 in)

Sprocket

No. of teeth	Bore size									Overall diameter		Pitch diameter		Hub diameter		Dimension A		Dimension B		Single row/Two way	Double row/Two way	Molded	Machined
	Pilot bore	1.00		1.18		1.25		1.50															
	mm	in	25.4	30.0	31.8	38.1	40.0	60.0	63.5	mm	in	mm	in	mm	in	mm	in						
Z10	x		●	●	●	■	●			80.3	3.16	82.2	3.24	65.0	2.56	34.7	1.36	45.5	1.79	x		x	
Z12	x		●	●	●	■	●			96.8	3.81	98.1	3.86	70.0	2.76	43.0	1.69	53.5	2.11	x		x	
Z15	x			●	●	●	■	●	■	121.5	4.78	122.2	4.81	¹ 70.0 ² 100.0 ² 104.0	2.76 3.94 4.09	55.4	2.18	65.5	2.58	x		x	
Z18	x			●	●	●	■	●	■	146.0	5.75	146.3	5.76	¹ 70.0 ² 104.0 ¹ 120.0	2.76 4.09 4.72	67.6	2.66	77.5	3.05	x		x	
Z19	x			●	●	●	■	●	■	154.2	6.07	154.3	6.07	¹ 70.0 ¹ 120.0	2.76 4.72	71.7	2.82	81.6	3.21	x		x	

● Moulded sprocket ■ Moulded sprocket ■ Moulded sprocket



Same sprocket type as for the uni QNB serie.
 Other sprocket sizes are available upon request.
 Two-part sprockets are available upon request.
 Round bores are always delivered with keyway.
 Other bore sizes are available upon request.
 uni Retainer Rings: See uni Retainer Ring data sheet.
 Width of tooth = 10.0 mm (0.39 in)
 Width of sprocket = 25.0 mm (0.98 in)

Max load per sprocket shown does not take bore size into account.
 Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni QNB.
 For more detailed sprocket information, contact Customer Service.

Non standard material and color: See uni Material and Color Overview.

uni QNB C/1410



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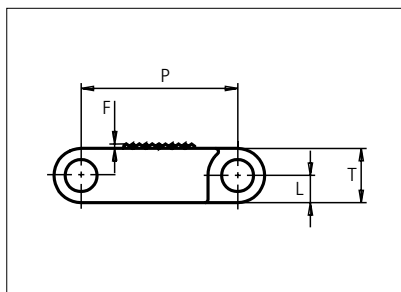
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Plastic Modular Belt

Series **uni QNB** Type **Rough**



Straight running belt
 Nominal pitch: 25.4 mm (1.00 in)
 Surface type: Rough Top
 Surface opening: Closed
 Backflex radius: 40.0 mm (1.57 in)
 Pin diameter: 5.0 mm (0.31 in)

Belt material & color	POM-SLF B		mm	in		mm	in
Pin material & color	PP B	P (Nominal)	25.4	1.00	L	4.4	0.17
		F	0.8	0.03	T	8.8	0.35

Non standard material and color: See uni Material and Color Overview.

Alternative pin and lock materials: Solid Lockpin: PA6.6 **D** Pin: PP **W** PA6.6 **B** PE **W** PBT **LG** and SS304 Endlock: PP **D**
 Lockpin: PBT **LG** PA6.6 **D** **N** PP **B** **W**

Belt width		Permissible tensile force (Belt/pin material)		Belt weight (Belt/pin material)		*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-SLF/PP		POM-SLF/PP			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	kg/m	lb/ft			
77	3.0	2695	606	0.6	0.43	2	2	2
153	6.0	5355	1204	1.3	0.86	2	2	2
229	9.0	8015	1802	1.9	1.29	2	2	2
305	12.0	10675	2400	2.6	1.72	3	3	2
382	15.0	13370	3006	3.2	2.16	3	3	2
458	18.0	16030	3604	3.8	2.59	4	4	2
534	21.0	18690	4202	4.5	3.01	4	4	2
610	24.0	21350	4799	5.1	3.44	5	5	3
687	27.0	24045	5405	5.8	3.88	5	5	3
763	30.0	26705	6003	6.4	4.31	6	6	3
839	33.0	29365	6601	7.0	4.74	6	6	3
915	36.0	32025	7199	7.7	5.17	7	7	4
992	39.1	34720	7805	8.3	5.60	7	7	4

Additional standard belt widths are available in steps of 76.3 mm (3.00 in). Additional non-standard belt widths are available in steps of 25.4 mm (1.00 in).

1983	78.1	69405	15602	16.7	11.19	14	14	7
------	------	-------	-------	------	-------	----	----	---

Additional standard belt widths are available in steps of 76.3 mm (3.00 in). Additional non-standard belt widths are available in steps of 25.4 mm (1.00 in).

2974	117.1	104090	23399	25.0	16.79	20	20	10
------	-------	--------	-------	------	-------	----	----	----

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.

*Max. Load per Drive Sprocket. Belt material: POM-SLF 2300 N (517 lbf), PP 1300 N (292 lbf).

**Max. Spacing between wear strips, Carry: 152 mm (6 in); Return: 304 mm (12 in).

= Single Link



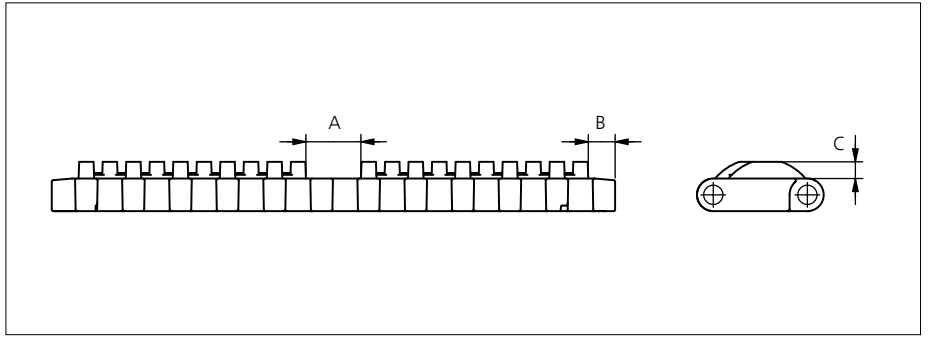
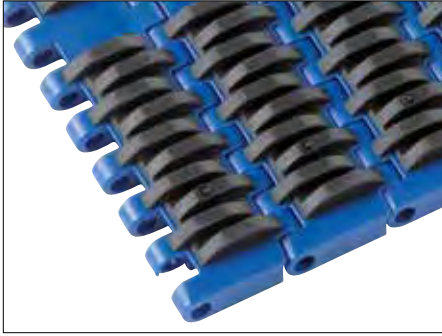
STANDARD

STRAIGHT RUNNING

PITCH 25.4 MM/1.00 IN

Accessories

Rubber Top

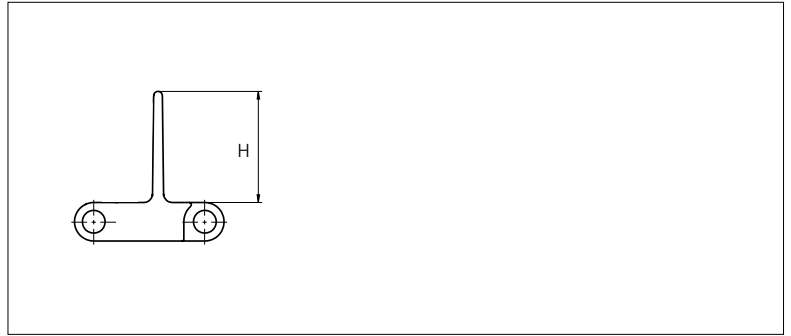
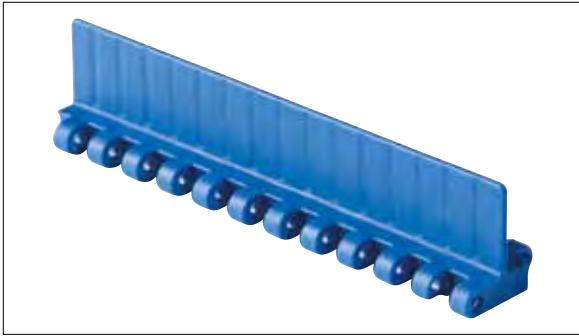


Type	Belt Material & color	Rubber Material & color	A		B		C		Link size	Width	
			mm	in	mm	in	mm	in		mm	in
Curved Rib	PP B	03 K	14.9	0.58	7.3	0.28	4.5	0.17	K300	75.8	2.98
									K600	152.0	5.98

Non Standard material and color: See uni Material and Color Overview.

Accessories

Flight

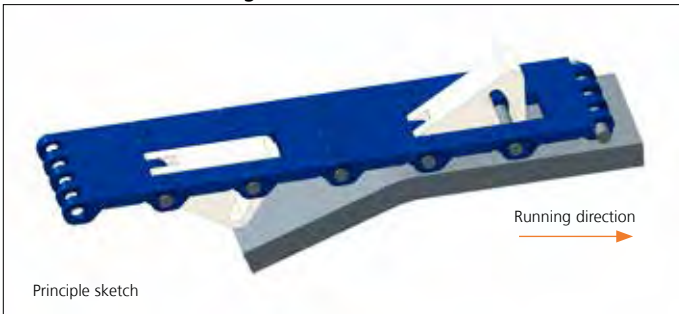


Type	Flight Material & color	H		Link size	Width		Indent	
		mm	in		mm	in	mm	in
Non Stick	PP-I B W	25.4	1.00	K600	152.0	5.98	0.0	0.00
	POM-SLF B							

Non Standard material and color: See uni Material and Color Overview.

Accessories

Non Standard uni AmFlight

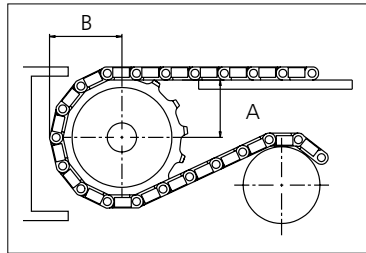


Other Non Standard option: See uni AmFlight Overview.

Sprocket

No. of teeth	Bore size										Overall diameter		Pitch diameter		Hub diameter		Dimension A		Dimension B		Single row/Two way	Double row/Two way	Molded PA6 LG	Machined PA6 N	
	Pilot bore	in	1.00	1.18	1.25	1.50	1.57	2.36	2.50																
	mm	25.4	30.0	31.8	38.1	40.0	60.0	63.5	mm	in	mm	in	mm	in	mm	in	mm	in							
Z10	x		●	●	●	■	●					80.3	3.16	82.2	3.24	65.0	2.56	34.7	1.36	45.5	1.79	x		x	
Z12	x		●	●	●	■	■					96.8	3.81	98.1	3.86	70.0	2.76	43.0	1.69	53.5	2.11	x		x	
Z15	x			●	●	■	■	■	■	■	■	121.5	4.78	122.2	4.81	70.0 100.0 104.0	2.76 3.94 4.09	55.4	2.18	65.5	2.58	x		x	
Z18	x			●	●	■	■	■	■	■	■	146.0	5.75	146.3	5.76	70.0 104.0 120.0	2.76 4.09 4.72	67.6	2.66	77.5	3.05	x		x	
Z19	x			●	●	■	■	■	■	■	■	154.2	6.07	154.3	6.07	70.0 120.0	2.76 4.72	71.7	2.82	81.6	3.21	x		x	

● Moulded sprocket ■ Moulded sprocket ■ Moulded sprocket



Same sprocket type as for the uni QNB serie.
 Other sprocket sizes are available upon request.
 Two-part sprockets are available upon request.
 Round bores are always delivered with keyway.
 Other bore sizes are available upon request.
 uni Retainer Rings: See uni Retainer Ring data sheet.
 Width of tooth = 10.0 mm (0.39 in)
 Width of sprocket = 25.0 mm (0.98 in)

Max load per sprocket shown does not take bore size into account.
 Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni QNB.
 For more detailed sprocket information, contact Customer Service.

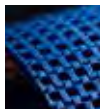
Non standard material and color: See uni Material and Color Overview.



Conveyor Belts



Seamless Belts



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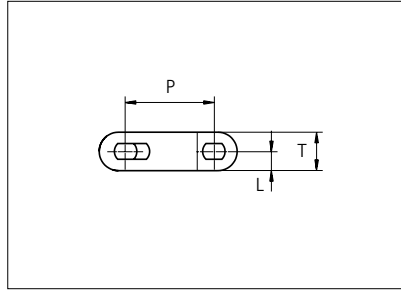
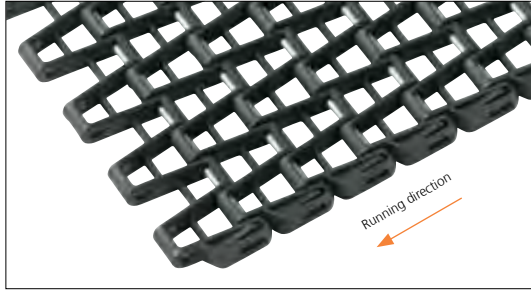
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Plastic Modular Belt

Series **uni OWL** Type **66%**



Straight running belt
 Nominal pitch: 27.9 mm (1.10 in)
 Surface type: Flat
 Surface opening: 66%
 Backflex radius: 40.0 mm (1.57 in)
 Pin diameter: \varnothing 4.0 mm (0.16 in)
 Travel in both directions is possible.
 uni-chains recommends this travel direction.

Belt material & color	PA6.6 GFH K	PA6.6 GFH B	PP W	PP B		mm	in		mm	in	
	Pin and lock material & color		SS304	SS304	PBT LG	PBT LG	P (Nominal)	27.9	1.10	T	11.0
	PA6.6 GFH K	PA6.6 GFH B	PP W	PP B		L	5.5	0.22	-	-	-

Non standard material and color: See uni Material and Color Overview.

Alternative pin and lock materials: Pin: PA6.6 **B** PBT **LG** SS304

*Belt width		Permissible tensile force (Belt/pin material)				Belt weight (Belt/pin material)				**Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		PA6.6 GFH/SS		PP/PA6.6		PA6.6 GFH/SS		PP/PA6.6			***Carry (pcs)	***Return (pcs)
mm	in	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft			
303	11.9	3636	817	2424	545	2.3	1.57	1.4	0.94	3	3	2
337	13.3	4040	908	2693	605	2.6	1.74	1.5	1.04	3	3	2
370	14.6	4443	999	2962	666	2.9	1.92	1.7	1.14	3	3	2
404	15.9	4847	1090	3231	726	3.1	2.09	1.9	1.25	3	3	2
438	17.2	5250	1180	3500	787	3.4	2.26	2.0	1.35	3	3	2
471	18.5	5654	1271	3769	847	3.6	2.44	2.2	1.46	4	4	2
505	19.9	6057	1362	4038	908	3.9	2.61	2.3	1.56	4	4	2
538	21.2	6461	1452	4307	968	4.1	2.79	2.5	1.66	4	4	2
572	22.5	6864	1543	4576	1029	4.4	2.96	2.6	1.77	4	4	2
606	23.8	7268	1634	4845	1089	4.7	3.13	2.8	1.87	5	5	3
639	25.2	7672	1725	5114	1150	4.9	3.31	2.9	1.98	5	5	3
673	26.5	8075	1815	5383	1210	5.2	3.48	3.1	2.08	5	5	3
707	27.8	8479	1906	5652	1271	5.4	3.66	3.3	2.18	5	5	3

Standard Increments in belt width : 33.6 mm (1.32 in.)

1984	78.1	23808	5352	15872	3568	15.3	10.27	9.1	6.13	14	14	7
------	------	-------	------	-------	------	------	-------	-----	------	----	----	---

Standard Increments in belt width : 33.6 mm (1.32 in.)

2993	117.8	35916	8074	23944	5383	23.0	15.49	13.8	9.25	20	20	10
------	-------	-------	------	-------	------	------	-------	------	------	----	----	----

*The belt width in PA6.6 GFH is 1% wider than the belt width in the table

**Max. Load per Drive Sprocket. Belt material: PA6.6 GFH 1200 N (270 lbf), PP 800 N (180 lbf)

***Max. Spacing between wear strips, Carry: 152 mm (6 in.) ; Return: 304 mm (12 in.)



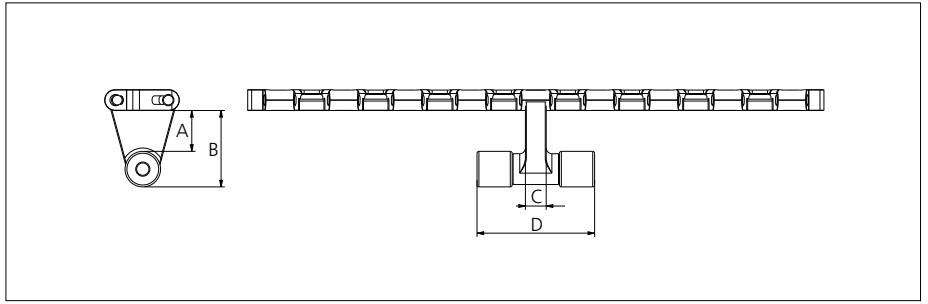
STANDARD

STRAIGHT RUNNING

PITCH 27.9 MM/1.10 IN

Accessories

Tab/NON STANDARD



Type	Belt material & color	A		B		C		D	
		mm	in	mm	in	mm	in	mm	in
Bottom Hold Down	PP W	23.6	0.93	42.6	1.68	11.0	0.43	63.5	2.50

Non Standard material and color: See uni Material and Color Overview.

Sprocket

No of teeth	Bore size													Overall diameter		Pitch-diameter		Hub-diameter		A-dimension		B-dimension		Single row/One way	Double row/Two way	Molded PA6 LG	Machined PA6 N
	Pilot bore		0.75	0.78	0.98	1.00	1.18	1.25	1.50	1.57	2.36	2.50	3.54														
	mm	in	19.1	20.0	25.0	25.4	30.0	31.8	38.1	40.0	60.0	63.5	90.0	mm	in	mm	in	mm	in	mm	in						
29				■	●	●	●		■				82.7	3.26	80.2	3.16	63.7	2.51	32.8	1.29	46.4	1.83	x			x	
Z11					●	●	●	■	■				101.0	3.98	97.9	3.85	82.0	3.23	42.0	1.65	55.1	2.17	x			x	
Z13					●	●	●	■	■				119.2	4.69	115.6	4.55	100.2	3.94	51.1	2.01	63.8	2.51	x			x	
Z15						●	●	●	●	■	■	■	137.3	5.41	133.4	5.25	118.3	4.66	60.1	2.37	72.6	2.86	x			x	

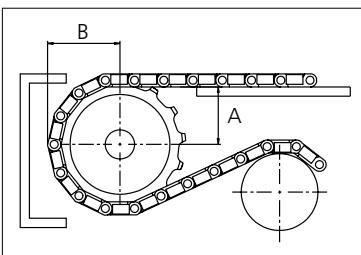
■ Machined sprocket



● Machined sprocket



Non standard material and color: See uni Material and Color Overview.



Other sprocket sizes are available upon request.
 Two-part sprocket are available upon request.
 Round bores are always delivered with keyway.
 Other bore sizes are available upon request.
 uni Retainer Rings: See uni Retainer Ring data sheet.
 Width of tooth = 12.5 mm (0.49 in)
 Width of sprocket = 30.0 mm (1.18 in)

Max load per sprocket shown does not take bore size into account.
 Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni OWL.
 For more detailed sprocket information, contact Customer Service.



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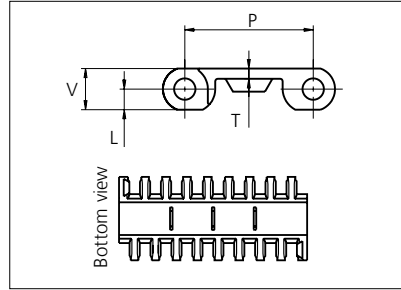
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Plastic Modular Belt

Series **uni OPB 4** Type **C**



Straight running belt
 Nominal pitch: 50.0 mm (1.97 in)
 Surface type: Flat
 Surface opening: Closed
 Backflex radius: 75.0 mm (3.00 in)
 Pin diameter: ø8 mm (1.97 in)

*uni-chains recommends this travel direction. However, travel in both directions is possible.

Recommended belt material & color	POM-D W		mm	in		mm	in
		P (Nominal)	50.0	1.97	V	16.0	0.63
Recommended pin and lock material & color	PA6.6 N						
		L	8.0	0.31	T	4.0	0.16

Non standard material and color: See uni Material and Color Overview.

Alternative materials: Belt: POM-LF, POM-SLF, PP, PE, PA6.6 and PA6.6H

Rodlock: PP **W**

Endlock: PP **W G B** and PE **W B**

Lockpin: PE **W** PA6.6 **N** PP **W**

Pin: PP **W** PE **W** SS304 and SS316

Belt width		Permissible tensile force (Belt/pin material)						Belt weight (Belt/pin material)						*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-D/PA6.6		PP/PA6.6		PE/PA6.6		POM-D/PA6.6		PP/PA6.6		PE/PA6.6			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft	kg/m	lb/ft			
152	6.0	1672	376	836	188	502	113	1.8	1.20	1.1	0.77	1.2	0.83	2	2	2
303	11.9	3333	749	1667	375	1000	225	3.5	2.38	2.3	1.53	2.5	1.65	3	3	2
455	17.9	5005	1125	2503	563	1502	338	5.3	3.58	3.4	2.29	3.7	2.48	4	4	2
606	23.9	6666	1499	3333	749	2000	450	7.1	4.76	4.5	3.05	4.9	3.30	5	5	3
758	29.8	8338	1874	4169	937	2501	562	8.9	5.96	5.7	3.82	6.1	4.13	6	6	3
909	35.8	9999	2248	5000	1124	3000	674	10.6	7.15	6.8	4.58	7.4	4.95	7	7	4
1061	41.8	11671	2624	5836	1312	3501	787	12.4	8.34	8.0	5.35	8.6	5.78	8	8	4
1212	47.7	13332	2997	6666	1499	4000	899	14.2	9.53	9.1	6.11	9.8	6.60	9	9	5
1364	53.7	15004	3373	7502	1686	4501	1012	16.0	10.73	10.2	6.88	11.0	7.43	10	10	5
1515	59.6	16665	3746	8333	1873	5000	1124	17.7	11.91	11.4	7.64	12.3	8.25	11	11	6
1667	65.6	18337	4122	9169	2061	5501	1237	19.5	13.11	12.5	8.40	13.5	9.07	12	12	6
1818	71.6	19998	4496	9999	2248	5999	1349	21.3	14.29	13.6	9.16	14.7	9.90	13	13	7
1970	77.6	21670	4871	10835	2436	6501	1461	23.0	15.49	14.8	9.93	16.0	10.72	14	14	7

Additional standard belt widths are available in steps of 151.5 mm (5.96 in.) Additional non-standard belt widths are available in steps of 33.5 mm (1.32 in.)

2576	101.4	28336	6370	14168	3185	8501	1911	30.1	20.26	19.3	12.98	20.9	14.02	18	18	9
------	-------	-------	------	-------	------	------	------	------	-------	------	-------	------	-------	----	----	---

Additional standard belt widths are available in steps of 151.5 mm (5.96 in.) Additional non-standard belt widths are available in steps of 33.5 mm (1.32 in.)

2879	113.3	31669	7119	15835	3560	9501	2136	33.7	22.64	21.6	14.51	23.3	15.67	20	20	10
------	-------	-------	------	-------	------	------	------	------	-------	------	-------	------	-------	----	----	----

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.

*Max. Load per Drive Sprocket. Belt material: POM 2500 N (562 lbf), PP 1200 N (270 lbf), PE 500 N (270 lbf)

**Max. Spacing between wear strips, Carry: 152 mm (6 in.); Return: 304 mm (12 in.)



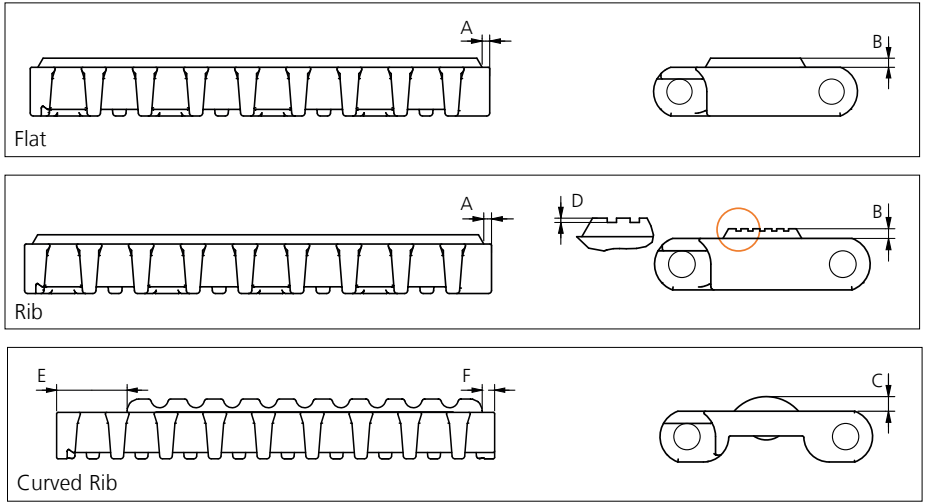
NON STANDARD

STRAIGHT RUNNING

PITCH 50.0 MM/1.97 IN

Accessories

Rubber Top

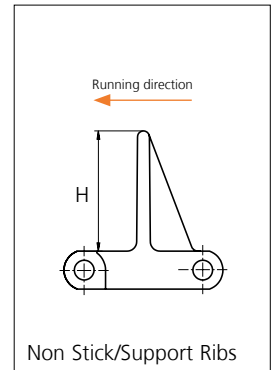
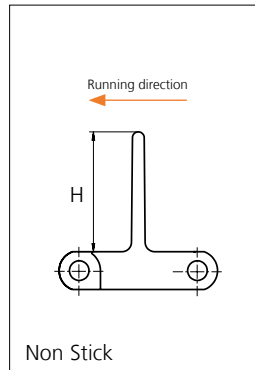


Type	Belt Material & color	Rubber Material & color	A		B		C		D		E		F		Link size	Width	
			mm	in	mm	in	mm	in	mm	in	mm	in	mm	in		mm	in
Flat	POM-LF BR	03 N															
Rib	POM-D W		2.5	0.10	3.0	0.12	4.5	0.18	0.7	0.03	24.0	0.94	4.0	0.16	K600	150.5	5.93
Curved Rib	POM-D W	03 K															

Other Non Standard Rubber profiles: See uni Rubber Profile Overview.

Accessories

Flight

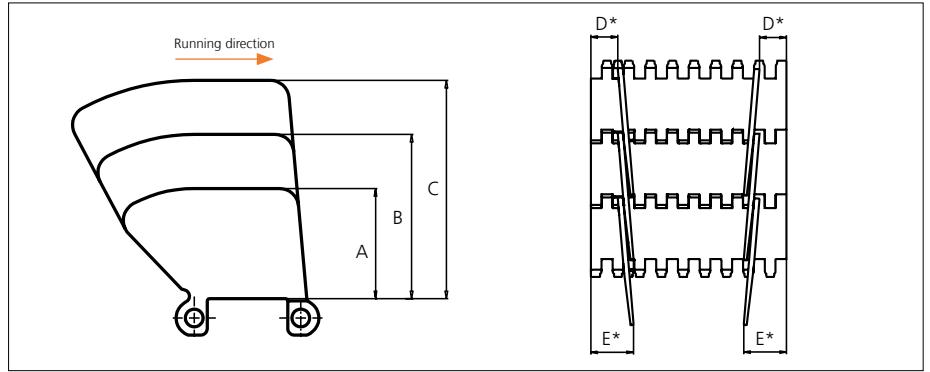


Type	Recommended Material & color	H		Link size	Width		Indent	
		mm	in		mm	in	mm	in
Non Stick	PP-HW B	50.8	2.00	K600	151.0	5.94	0.0	0.00
Non Stick/Support Ribs		76.2	3.00					
		101.6	4.00					

Non Standard material and color: See uni Material and Color Overview.

Accessories

Side Guard



Type	Recommended Material & color	A		B		C		D*		E*	
		mm	in	mm	in	mm	in	mm	in	mm	in
Closed	PP-HW B	51.8	2.04	77.2	3.04	102.6	4.04	21.0	0.83	34.0	1.34

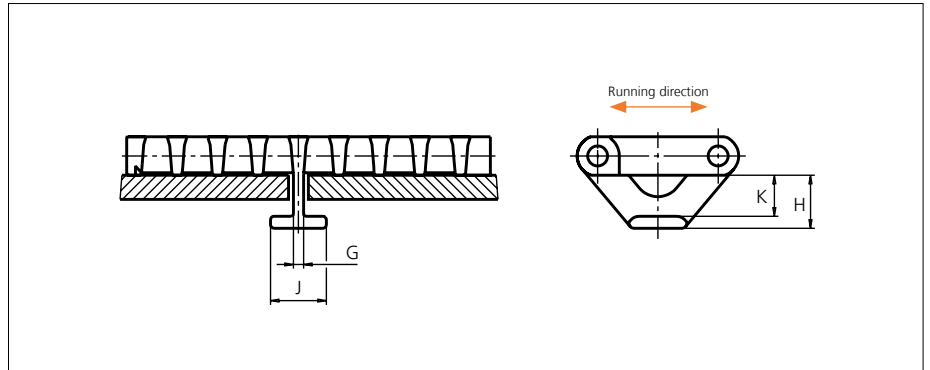
* Min. indent Increment : 8.4 mm (0.33 in)

Note: Backflex radius when side guard are used: 200.0 mm (7.90 in)

Non Standard material and color: See uni Material and Color Overview.

Accessories

Tab



Type	Recommended Material & color	G		H		J		K	
		mm	in	mm	in	mm	in	mm	in
Bottom Hold Down	POM-D W	4.2	0.17	22.0	0.87	23.2	0.92	17.0	0.67
	POM-LF B								
	PP W								

Non Standard material and color: See uni Material and Color Overview.

Accessories

Non Standard uni AmFlight



Other Non Standard option: See uni AmFlight Overview.

Sprocket

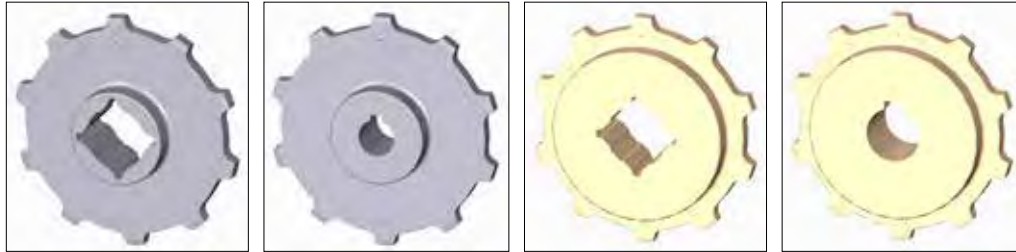
No of teeth	Bore size													Overall diameter		Pitch-diameter		Hub-diameter		A-dimension		B-dimension		Single row/Two way	Double row/Two way	Molded PA6 LG	Machined PA6 N
	Pilot Bore	in	0.75	0.78	0.98	1.00	1.18	1.25	1.50	1.57	2.36	2.50	3.54														
	mm	19.1	20.0	25.0	25.4	30.0	31.8	38.1	40.0	60.0	63.5	90.0	mm	in	mm	in	mm	in	mm	in							
Z06	x				●	●	●	■	■				94.5	3.72	100.3	3.95	65	2.56	35.5	1.40	58.6	2.31	x		x		
Z08	x				●	●	●	■	■				129	5.08	131.1	5.16	65	2.56	52.6	2.07	74	2.91	x		x		
Z10	x					●	●	■	■				160.1	6.30	162.4	6.39	65	2.56	69.2	2.72	89.7	3.53	x		x		
Z12	x					●	●	■	■				191.5	7.54	193.9	7.63	65	2.56	85.7	3.37	105.5	4.15	x		x		
Z13	x					●		■	■				207.3	8.16	209.7	8.26	72	2.83	93.8	3.69	113.4	4.46	x		x		
Z13											■		207.3	8.16	209.7	8.26	150	5.91	93.8	3.69	113.4	4.46	x			x	
Z16	x					●		■	■		■		254.8	10.03	257.3	10.13	200	7.87	118.2	4.65	137.1	5.40	x			x	

■ Molded sprocket

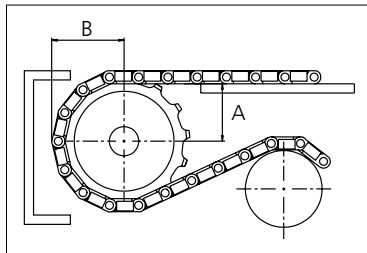
● Molded sprocket

■ Machined sprocket

● Machined sprocket



Non standard material and color: See uni Material and Color Overview.



Other sprocket sizes are available upon request.
 Two-part sprocket are available upon request.
 Round bores are always delivered with keyway.
 Other bore sizes are available upon request.
 uni Retainer Rings: See uni Retainer Ring data sheet
 Width of tooth = 11.0 mm (0.43 in)
 Width of sprocket = 42.3 mm (1.67 in)

Max load per sprocket shown does not take bore size into account.
 Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni OPB.
 For more detailed sprocket information, contact Customer Service.

uni OPB C 4/1301



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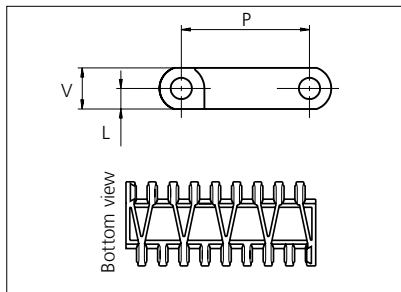
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Plastic Modular Belt

Series **uni OPB 4V** Type **Vacuum**



Straight running belt
 Nominal pitch: 50.0 mm (1.97 in)
 Surface type: Flat
 Surface opening: ø5.5 mm (0.22 in)
 Backflex radius: 75.0 mm (3.00 in)
 Pin diameter: ø8 mm (1.97 in)

*uni-chains recommends this travel direction. However, travel in both directions is possible.

Recommended belt material & color	POM-D W	mm	in	mm	in		
		P (Nominal)	50.0	1.97	V	16.0	0.63
Recommended pin and lock material & color	PP W	L	8.0	0.31	-	-	-

Non standard material and color: See uni Material and Color Overview.

Alternative materials: Belt: POM-LF, POM-SLF, PP, PE, PA6.6 and PA6.6H

Rodlock: PP **W**

Endlock: PP **W** **G** **B** and PE **W** **B**

Lockpin: PE **W** PA6.6 **N** PP **W**

Pin: PP **W** PE **W** SS304 and SS316

Belt width		Permissible tensile force (Belt/pin material)						Belt weight (Belt/pin material)						*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-D/PA6.6		PP/PA6.6		PE/PA6.6		POM-D/PA6.6		PP/PA6.6		PE/PA6.6			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft	kg/m	lb/ft			
151	5.9	3322	747	1661	373	997	224	1.8	1.19	1.1	0.76	1.2	0.82	2	2	2
302	11.9	6644	1494	3322	747	1993	448	3.5	2.37	2.3	1.52	2.4	1.64	3	3	2
453	17.8	9966	2240	4983	1120	2990	672	5.3	3.56	3.4	2.28	3.7	2.47	4	4	2
604	23.8	13288	2987	6644	1494	3986	896	7.1	4.75	4.5	3.04	4.9	3.29	5	5	3
755	29.7	16610	3734	8305	1867	4983	1120	8.8	5.94	5.7	3.81	6.1	4.11	6	6	3
906	35.7	19932	4481	9966	2240	5980	1344	10.6	7.12	6.8	4.57	7.3	4.93	7	7	4
1057	41.6	23254	5227	11627	2614	6976	1568	12.4	8.31	7.9	5.33	8.6	5.75	8	8	4
1208	47.6	26576	5974	13288	2987	7973	1792	14.1	9.50	9.1	6.09	9.8	6.58	9	9	5
1359	53.5	29898	6721	14949	3361	8969	2016	15.9	10.69	10.2	6.85	11.0	7.40	10	10	5
1510	59.4	33220	7468	16610	3734	9966	2240	17.7	11.87	11.3	7.61	12.2	8.22	11	11	6
1661	65.4	36542	8215	18271	4107	10963	2464	19.4	13.06	12.5	8.37	13.5	9.04	12	12	6
1812	71.3	39864	8961	19932	4481	11959	2688	21.2	14.25	13.6	9.13	14.7	9.86	13	13	7
1963	77.3	43186	9708	21593	4854	12956	2912	23.0	15.44	14.7	9.89	15.9	10.69	14	14	7

Additional standard belt widths are available in steps of 151.0 mm (5.94 in.) Additional non-standard belt widths are available in steps of 33.6 mm (1.32 in.)

2567	101.1	56474	12695	28237	6348	16942	3809	30.0	20.18	19.3	12.94	20.8	13.97	18	18	9
------	-------	-------	-------	-------	------	-------	------	------	-------	------	-------	------	-------	----	----	---

Additional standard belt widths are available in steps of 151.0 mm (5.94 in.) Additional non-standard belt widths are available in steps of 33.6 mm (1.32 in.)

2869	113.0	63118	14189	31559	7094	18935	4257	33.6	22.56	21.5	14.46	23.2	15.62	20	20	10
------	-------	-------	-------	-------	------	-------	------	------	-------	------	-------	------	-------	----	----	----

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request

*Max. Load per Drive Sprocket. Belt material: POM 2500 N (562 lbf), PP 1200 N (270 lbf), PE 500 N (270 lbf)

**Max. Spacing between wear strips, Carry: 152 mm (6 in) ; Return: 304 mm (12 in)

= Single Link



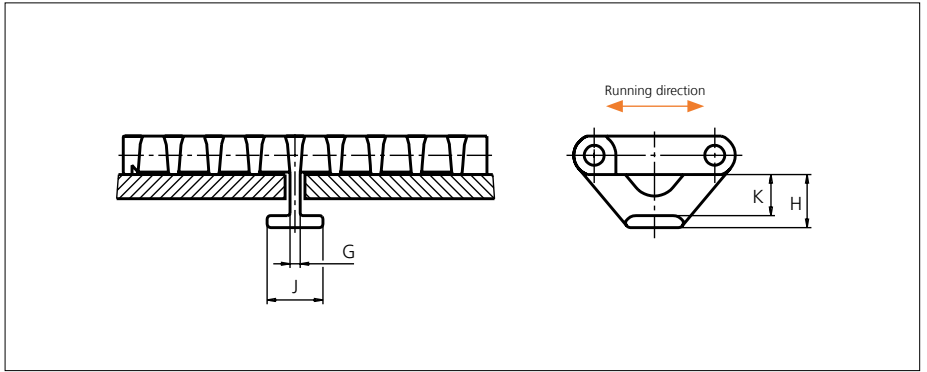
NON STANDARD

STRAIGHT RUNNING

PITCH 50.0 MM/1.97 IN

Accessories

Tab



Type	Recommended material & color	G		H		J		K	
		mm	in	mm	in	mm	in	mm	in
Bottom Hold Down	POM-D W	4.2	0.17	22.0	0.87	23.2	0.92	17.0	0.67
	POM-LF B								
	PP W								

Non Standard material and color: See uni Material and Color Overview.

Sprocket

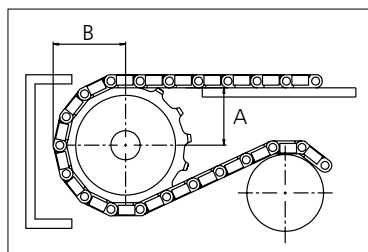
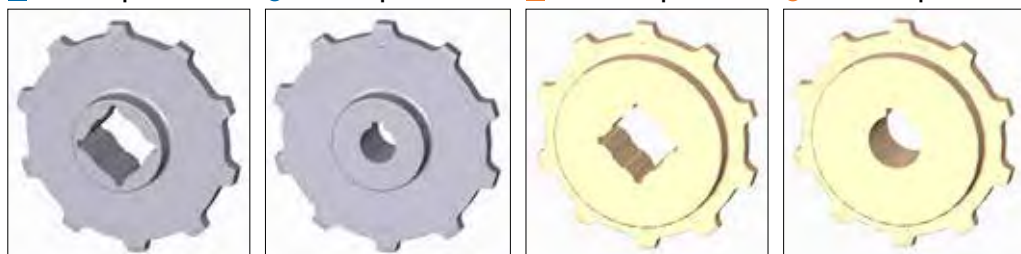
No of teeth	Bore size													Overall diameter		Pitch-diameter		Hub-diameter		A-dimension		B-dimension		Single row/Two way	Double row/Two way	Molded PA6 LG	Machined PA6 N	
	Pilot Bore																											
	mm	in	0.75	0.78	0.98	1.00	1.18	1.25	1.50	1.57	2.36	2.50	3.54	mm	in	mm	in	mm	in	mm	in							
Z06	x					●	●	●	■	■					94.5	3.72	100.3	3.95	65	2.56	35.5	1.40	58.6	2.31	x		x	
Z08	x					●	●	●	■	■					129	5.08	131.1	5.16	65	2.56	52.6	2.07	74	2.91	x		x	
Z10	x						●	●	■	■					160.1	6.30	162.4	6.39	65	2.56	69.2	2.72	89.7	3.53	x		x	
Z12	x						●	●	■	■					191.5	7.54	193.9	7.63	65	2.56	85.7	3.37	105.5	4.15	x		x	
Z13	x						●		■	■					207.3	8.16	209.7	8.26	72	2.83	93.8	3.69	113.4	4.46	x		x	
Z13														■	207.3	8.16	209.7	8.26	150	5.91	93.8	3.69	113.4	4.46	x			x
Z16	x						●		■	■				■	254.8	10.03	257.3	10.13	200	7.87	118.2	4.65	137.1	5.40	x			x

■ Molded sprocket

● Molded sprocket

■ Machined sprocket

● Machined sprocket



Other sprocket sizes are available upon request.
 Two-part sprocket are available upon request.
 Round bores are always delivered with keyway.
 Other bore sizes are available upon request.
 uni Retainer Rings: See uni Retainer Ring data sheet
 Width of tooth = 11.0 mm (0.43 in)
 Width of sprocket = 42.3 mm (1.67 in)

Max load per sprocket shown does not take bore size into account.
 Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni OPB.
 For more detailed sprocket information, contact Customer Service.

Non standard material and color: See uni Material and Color Overview.



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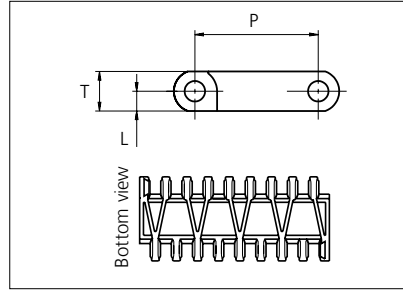
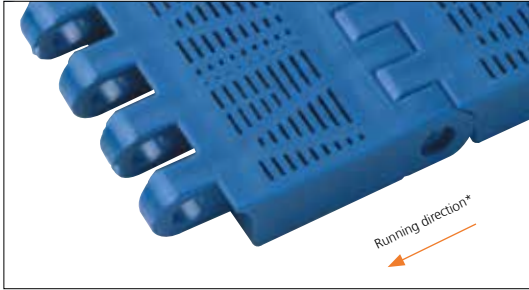
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Plastic Modular Belt

Serie **uni OPB 4V** Type **23% Fine-meshed**



Straight running belt
 Nominal pitch: 50.0 mm (1.97 in)
 Surface type: Flat
 Surface opening: 23%
 Backflex radius: 75.0 mm (3.00 in)
 Pin diameter: ø8 mm (1.97 in)

*uni-chains recommends this travel direction. However, travel in both directions is possible.

Belt material & color	PP-HW B	PP W		mm	in		mm	in	
				P (Nominal)	50.0	1.97	T	16.0	0.63
Pin and lock material & color	Pin: PP-HW LB			L	8.0	0.31	-	-	-

Non standard material and color: See uni Material and Color Overview.

Alternative pin and lock materials: Trilock: PP-HW **LB** Endlock: PP **W** **G** **B** and PE **W** **B** Lockpin: PE **W** PA6.6 **N** **B** and PBT **LG**
 Pin: PP **W** PE **W** PBT **LG** SS304 and SS316

Belt width		Permissible tensile force (Belt/pin material)				Belt weight (Belt/pin material)				*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		PP-HW/PP-HW		PP/PP-HW		PP-HW/PP-HW		PP/PP-HW			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft			
152	6.0	1672	376	1672	376	1.0	0.69	1.0	0.69	2	2	2
303	11.9	3333	749	3333	749	2.1	1.38	2.1	1.38	3	3	2
455	17.9	5005	1125	5005	1125	3.1	2.08	3.1	2.08	4	4	2
606	23.9	6666	1499	6666	1499	4.1	2.77	4.1	2.77	5	5	3
758	29.8	8338	1874	8338	1874	5.2	3.46	5.2	3.46	6	6	3
909	35.8	9999	2248	9999	2248	6.2	4.15	6.2	4.15	7	7	4
1061	41.8	11671	2624	11671	2624	7.2	4.85	7.2	4.85	8	8	4
1212	47.7	13332	2997	13332	2997	8.2	5.54	8.2	5.54	9	9	5
1364	53.7	15004	3373	15004	3373	9.3	6.23	9.3	6.23	10	10	5
1515	59.6	16665	3746	16665	3746	10.3	6.92	10.3	6.92	11	11	6
1667	65.6	18337	4122	18337	4122	11.3	7.62	11.3	7.62	12	12	6
1818	71.6	19998	4496	19998	4496	12.4	8.31	12.4	8.31	13	13	7
1970	77.6	21670	4871	21670	4871	13.4	9.00	13.4	9.00	14	14	7

Additional standard belt widths are available in steps of 151.5 mm (5.96 in.) Additional non-standard belt widths are available in steps of 33.5 mm (1.32 in.)

2576	101.4	28336	6370	28336	6370	17.5	11.77	17.5	11.77	18	18	9
------	-------	-------	------	-------	------	------	-------	------	-------	----	----	---

Additional standard belt widths are available in steps of 151.5 mm (5.96 in.) Additional non-standard belt widths are available in steps of 33.5 mm (1.32 in.)

2879	113.3	31669	7119	31669	7119	19.6	13.16	19.6	13.16	20	20	10
------	-------	-------	------	-------	------	------	-------	------	-------	----	----	----

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.

Belt widths in PP-HW is 0.4 % wider than the belt widths in the table above

*Max. Load per Drive Sprocket. Belt material: POM 2500 N (562 lbf), PP 1200 N (270 lbf), PE 500 N (270 lbf)

**Max. Spacing between wear strips, Carry: 152 mm (6 in.) ; Return: 304 mm (12 in.)



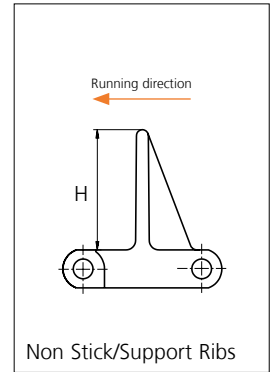
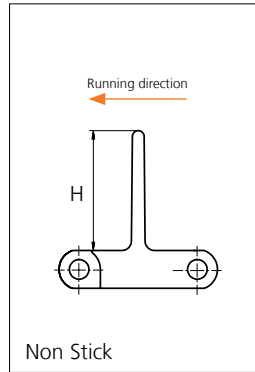
STANDARD

STRAIGHT RUNNING

PITCH 50.0 MM/1.97 IN

Accessories

Flight

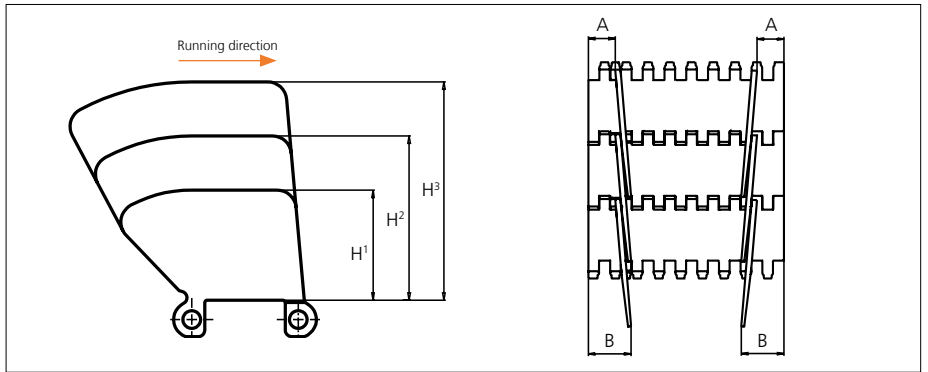


Type	Flight material & color	H		Link size	Width		Indent	
		mm	in		mm	in	mm	in
Non Stick	PP-HW B	50.8	2.00	K600	151.0	5.94	0.0	0.00
Non Stick/ Support Ribs		76.2	3.00					
		101.6	4.00					

Non Standard material and color: See uni Material and Color Overview.

Accessories

Side Guard



Type	Material & color	H ¹		H ²		H ³		A*		B*	
		mm	in	mm	in	mm	in	mm	in	mm	in
Closed	PP-HW B	51.8	2.04	77.2	3.04	102.6	4.04	21.0	0.83	34.0	1.34

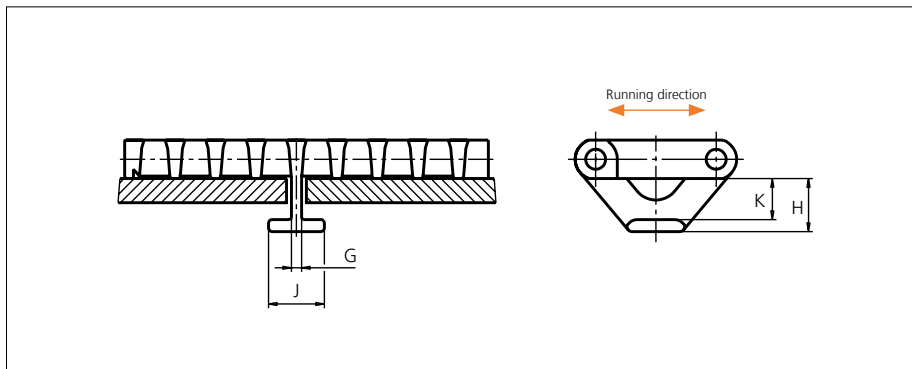
* Min. indent Increment : 8.4 mm (0.33 in)

Note: Backflex radius when side guards are used: 200.0 mm (7.90 in)

Non Standard material and color: See uni Material and Color Overview.

Accessories

Tab/NON STANDARD

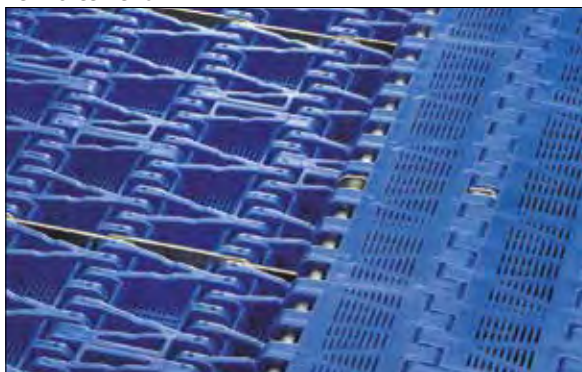


Type	Belt material & color	G		H		J		K	
		mm	in	mm	in	mm	in	mm	in
Bottom Hold Down	POM-D W	4.2	0.17	22.0	0.87	23.2	0.92	17.0	0.67
	POM-LF B								
	PP W								

Non Standard material and color: See uni Material and Color Overview.

Accessories

Reinforcement Link



The use of uni-chains belts with the SS reinforcement /pitch control links in blanchers, cookers and other high temperature applications will reduce belt elongation due to temperature by more than 90%. This will simplify the belt take-up system and reduce maintenance.

uni-chains recommends one reinforcement link per K600 module.

Type	Material & color	N/row	Lbf/row
Steel Link	SS316	2500	562

Note: Reinforcement links require the use of SS pins.

Non Standard material and color: See uni Material and Color Overview.

Sprocket

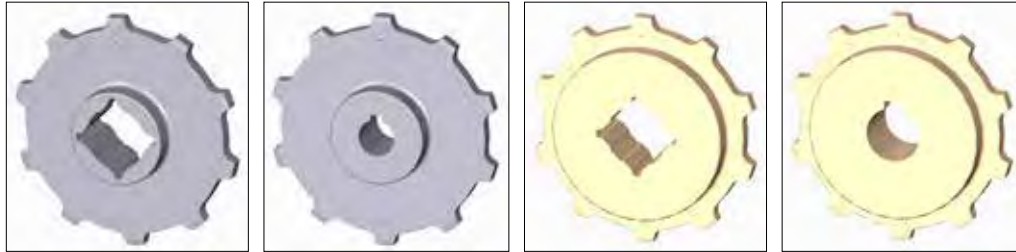
No of teeth	Bore size													Overall diameter		Pitch-diameter		Hub-diameter		A-dimension		B-dimension		Single row/Two way	Double row/Two way	Molded PA6 LG	Machined PA6 N
	Pilot Bore	in	0.75	0.78	0.98	1.00	1.18	1.25	1.50	1.57	2.36	2.50	3.54														
	mm	19.1	20.0	25.0	25.4	30.0	31.8	38.1	40.0	60.0	63.5	90.0	mm	in	mm	in	mm	in	mm	in							
Z06	x				●	●	●	■	■				94.5	3.72	100.3	3.95	65	2.56	35.5	1.40	58.6	2.31	x		x		
Z08	x				●	●	●	■	■				129	5.08	131.1	5.16	65	2.56	52.6	2.07	74	2.91	x		x		
Z10	x					●	●	■	■				160.1	6.30	162.4	6.39	65	2.56	69.2	2.72	89.7	3.53	x		x		
Z12	x					●	●	■	■				191.5	7.54	193.9	7.63	65	2.56	85.7	3.37	105.5	4.15	x		x		
Z13	x					●		■	■				207.3	8.16	209.7	8.26	72	2.83	93.8	3.69	113.4	4.46	x		x		
Z13											■		207.3	8.16	209.7	8.26	150	5.91	93.8	3.69	113.4	4.46	x			x	
Z16	x					●		■	■		■		254.8	10.03	257.3	10.13	200	7.87	118.2	4.65	137.1	5.40	x			x	

■ Molded sprocket

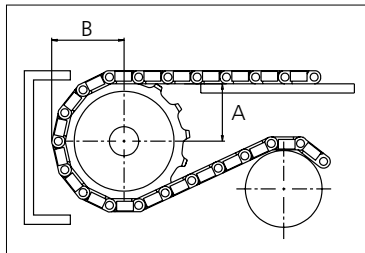
● Molded sprocket

■ Machined sprocket

● Machined sprocket



Non standard material and color: See uni Material and Color Overview.



Other sprocket sizes are available upon request.
 Two-part sprocket are available upon request.
 Round bores are always delivered with keyway.
 Other bore sizes are available upon request
 uni Retainer Rings: See uni Retainer Ring data sheet
 Width of tooth = 11.0 mm (0.43 in)
 Width of sprocket = 42.3 mm (1.67 in)

Max load per sprocket shown does not take bore size into account.
 Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni OPB.
 For more detailed sprocket information. contact Customer Service.

uni OPB 4V 23% Fine Meshed /1301



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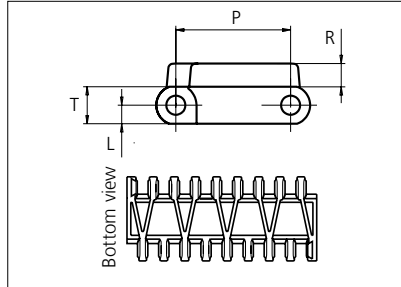
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Plastic Modular Belt

Serie **uni OPB 4V** Type **23% Rib**



Straight running belt
 Nominal pitch: 50.0 mm (1.97 in)
 Surface type: Rib Top
 Surface opening: 23%
 Backflex radius: 300.0 mm (11.80 in)
 Pin diameter: ø8 mm (1.97 in)

*uni-chains recommends this travel direction. However, travel in both directions is possible.

Note: uni OPB 36% 4V are listed in the USDA "Accepted Meat and Poultry Equipment" publication as accepted food contact.

Belt material & color	PP-HW LB	PP G	mm		in	
			T	L	P (Nominal)	R
Pin and lock material & color	PP-HW LB	PP W	16.0	8.0	0.63	0.31

Non standard material and color: See uni Material and Color Overview.

Alternative pin and lock materials: Trilock: PP-HW **LB** Endlock: PP **W** **G** **B** PE **W** **B** Lockpin: PP **W** PE **W** PA6.6 **N** **B** PBT **LG**
 Pin: PP **W** PE **W** PBT **LG** SS304 and SS316

Belt width		Permissible tensile force (Belt/pin material)		Belt weight (Belt/pin material)		*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		PP-HW/PP-HW		PP-HW/PP-HW			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	kg/m	lb/ft			
152	6.0	1672	376	1.5	0.99	2	2	2
303	11.9	3333	749	2.9	1.98	3	3	2
455	17.9	5005	1125	4.4	2.97	4	4	2
606	23.9	6666	1499	5.9	3.95	5	5	3
758	29.8	8338	1874	7.4	4.94	6	6	3
909	35.8	9999	2248	8.8	5.93	7	7	4
1061	41.8	11671	2624	10.3	6.92	8	8	4
1212	47.7	13332	2997	11.8	7.90	9	9	5
1364	53.7	15004	3373	13.2	8.89	10	10	5
1515	59.6	16665	3746	14.7	9.88	11	11	6
1667	65.6	18337	4122	16.2	10.87	12	12	6
1818	71.6	19998	4496	17.6	11.85	13	13	7

Additional standard belt widths are available in steps of 151.5 mm (5.96 in.) Additional non-standard belt widths are available in steps of 33.5 mm (1.32 in.)

2576	101.4	28336	6370	25.0	16.79	18	18	9
------	-------	-------	------	------	-------	----	----	---

Additional standard belt widths are available in steps of 151.5 mm (5.96 in.) Additional non-standard belt widths are available in steps of 33.5 mm (1.32 in.)

2879	113.3	31669	7119	27.9	18.77	20	20	10
------	-------	-------	------	------	-------	----	----	----

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.

*Max. Load per Drive Sprocket. Belt material: POM 2500 N (562 lbf), PP 1200 N (270 lbf), PE 500 N (270 lbf)

**Max. Spacing between wear strips, Carry: 152 mm (6 in.); Return: 304 mm (12 in.)



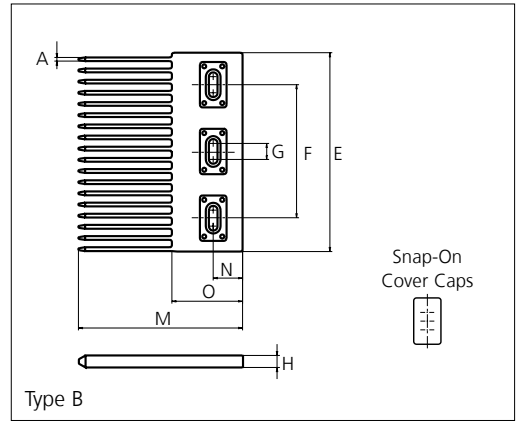
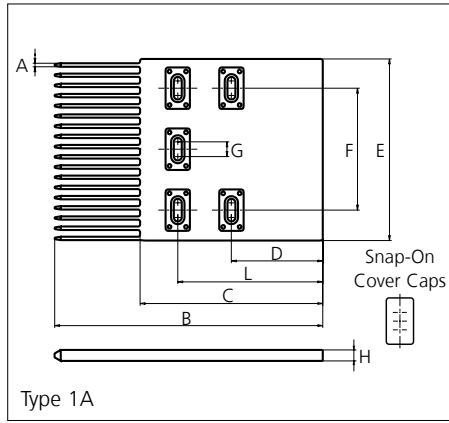
STANDARD

STRAIGHT RUNNING

PITCH 50.0 MM/1.97 IN

Accessories

Finger Plates



Type	Material & color	A		B		C		D		E					
		mm	in	mm	in	mm	in	mm	in	mm	in				
Single Sided	POM-DI G	2.8	0.11	220.0	8.66	150.0	5.91	75.0	2.95	149.0	5.87				
Single Sided															
		F		G		H		L		M		N		O	
		mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in
		100.0	3.94	12.0	0.47	9.0	0.35	119.0	4.69	123.0	4.84	22.0	0.87	53.0	2.09

All uni-chains belt systems are available in a raised rib version that can be supplied with matching finger plates, also called combs.

The finger plates are supplied with cover caps which can be attached when the finger plate has been installed. The cover caps can be removed by using a screwdriver that can be inserted between the cover and finger plate. In order to adjust to belt width variations caused by temperature fluctuations, a slider facilitates the sideways movement of the finger plates.

Non Standard material and color: See uni Material and Color Overview.

Sprocket

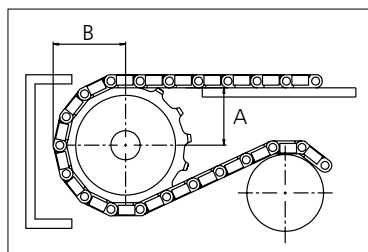
No of teeth	Bore size													Overall diameter		Pitch-diameter		Hub-diameter		A-dimension		B-dimension		Single row/Two way	Double row/Two way	Material		
	Pilot Bore	mm	in	0.75	0.78	0.98	1.00	1.18	1.25	1.50	1.57	2.36	2.50													3.54	mm	in
														PA6	PA6 LG													
Z06	x						●	●	●	■	■				94.5	3.72	100.3	3.95	65	2.56	35.5	1.40	58.6	2.31	x		x	
Z08	x						●	●	●	■	■				129	5.08	131.1	5.16	65	2.56	52.6	2.07	74	2.91	x		x	
Z10	x						●	●	●	■	■				160.1	6.30	162.4	6.39	65	2.56	69.2	2.72	89.7	3.53	x		x	
Z12	x						●	●	●	■	■				191.5	7.54	193.9	7.63	65	2.56	85.7	3.37	105.5	4.15	x		x	
Z13	x						●			■	■				207.3	8.16	209.7	8.26	72	2.83	93.8	3.69	113.4	4.46	x		x	
Z13													■		207.3	8.16	209.7	8.26	150	5.91	93.8	3.69	113.4	4.46	x			x
Z16	x						●			■	■		■		254.8	10.03	257.3	10.13	200	7.87	118.2	4.65	137.1	5.40	x			x

■ Molded sprocket

● Molded sprocket

■ Machined sprocket

● Machined sprocket



Other sprocket sizes are available upon request.
 Two-part sprocket are available upon request.
 Round bores are always delivered with keyway.
 Other bore sizes are available upon request.
 uni Retainer Rings: See uni Retainer Ring data sheet
 Width of tooth = 11.0 mm (0.43 in)
 Width of sprocket = 42.3 mm (1.67 in)

Max load per sprocket shown does not take bore size into account.
 Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni OPB.
 For more detailed sprocket information. contact Customer Service.

Non standard material and color: See uni Material and Color Overview.



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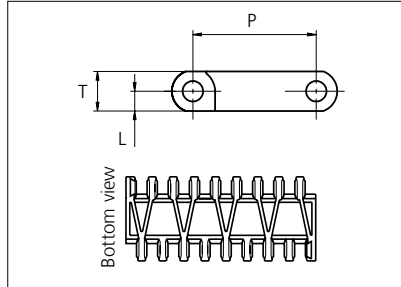
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Plastic Modular Belt

Serie **uni OPB 4V** Type **23%**



Straight running belt
 Nominal pitch: 50.0 mm (1.97 in)
 Surface type: Flat
 Surface opening: 23%
 Backflex radius: 75.0 mm (3.00 in)
 Pin diameter: ø8 mm (1.97 in)

*uni-chains recommends this travel direction. However, travel in both directions is possible.

Note: uni OPB 36% 4V are listed in the USDA "Accepted Meat and Poultry Equipment" publication as accepted food contact.

Belt material & color	PP-HW B	mm	in	mm	in
Pin and lock material & color	PP-HW LB	P (Nominal)	50.0	1.97	T
		L	8.0	0.31	-
					16.0
					0.63

Non standard material and color: See uni Material and Color Overview.

Alternative pin and lock materials: Trilock: PP-HW **LB** Endlock: PP **W** **G** **B** and PE **W** **B** Lockpin: PE **W** PA6.6 **N** **B** and PBT **LG**
 Pin: PP **W** PE **W** PBT **LG** SS304 and SS316

Belt width		Permissible tensile force (Belt/pin material)		Belt weight (Belt/pin material)		*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		PP-HW/PP-HW		PP-HW/PP-HW			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	kg/m	lb/ft			
152	6.0	1672	376	1.0	0.69	2	2	2
303	11.9	3333	749	2.1	1.38	3	3	2
455	17.9	5005	1125	3.1	2.08	4	4	2
606	23.9	6666	1499	4.1	2.77	5	5	3
758	29.8	8338	1874	5.2	3.46	6	6	3
909	35.8	9999	2248	6.2	4.15	7	7	4
1061	41.8	11671	2624	7.2	4.85	8	8	4
1212	47.7	13332	2997	8.2	5.54	9	9	5
1364	53.7	15004	3373	9.3	6.23	10	10	5
1515	59.6	16665	3746	10.3	6.92	11	11	6
1667	65.6	18337	4122	11.3	7.62	12	12	6
1818	71.6	19998	4496	12.4	8.31	13	13	7

Additional standard belt widths are available in steps of 151.5 mm (5.96 in.) Additional non-standard belt widths are available in steps of 33.5 mm (1.32 in.)

2576	101.4	28336	6370	17.5	11.77	18	18	9
------	-------	-------	------	------	-------	----	----	---

Additional standard belt widths are available in steps of 151.5 mm (5.96 in.) Additional non-standard belt widths are available in steps of 33.5 mm (1.32 in.)

2879	113.3	31669	7119	19.6	13.16	20	20	10
------	-------	-------	------	------	-------	----	----	----

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.

*Max. Load per Drive Sprocket. Belt material: POM 2500 N (562 lbf), PP 1200 N (270 lbf), PE 500 N (270 lbf)

**Max. Spacing between wear strips, Carry: 152 mm (6 in.) ; Return: 304 mm (12 in.)



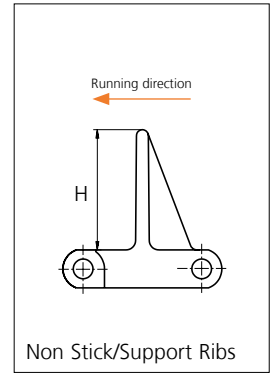
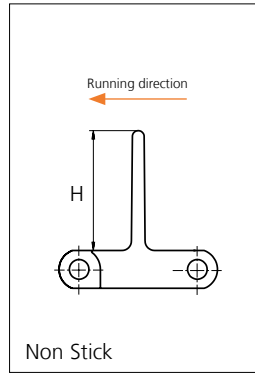
STANDARD

STRAIGHT RUNNING

PITCH 50.0 MM/1.97 IN

Accessories

Flight

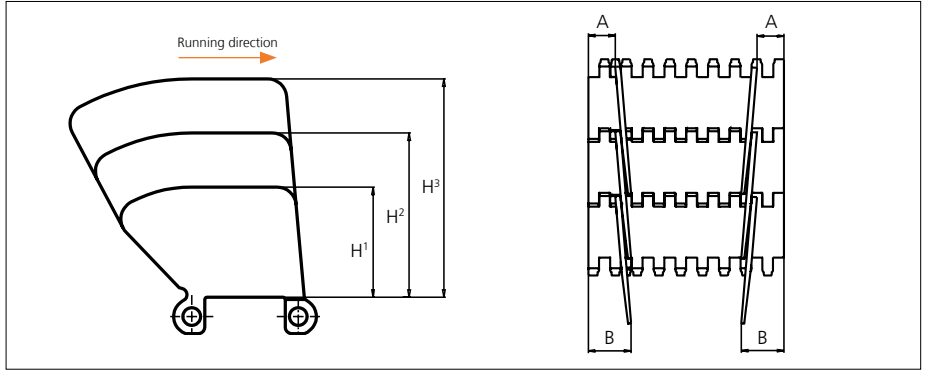


Type	Flight material & color	H		Link size	Width		Indent	
		mm	in		mm	in	mm	in
Non Stick	PP-HW B	50.8	2.00	K600	151.0	5.94	0.0	0.00
Non Stick/ Support Ribs		76.2	3.00					
		101.6	4.00					

Non Standard material and color: See uni Material and Color Overview.

Accessories

Side Guard



Type	Material & color	H ¹		H ²		H ³		A*		B*	
		mm	in	mm	in	mm	in	mm	in	mm	in
Closed	PP-HW B	51.8	2.04	77.2	3.04	102.6	4.04	21.0	0.83	34.0	1.34

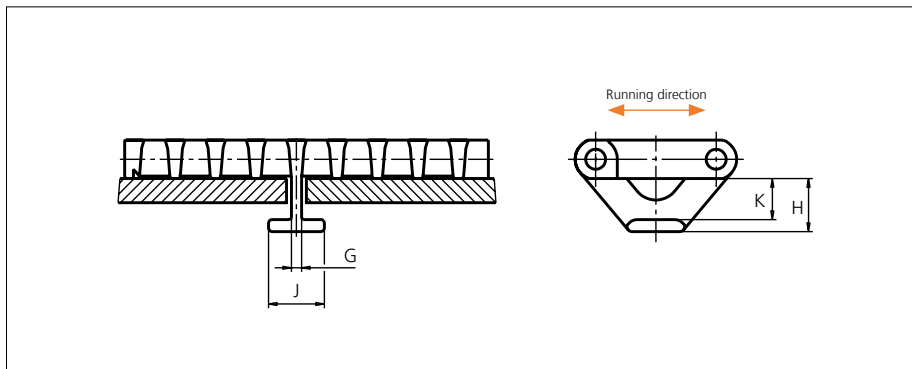
* Min. indent Increment : 8.4 mm (0.33 in)

Note: Backflex radius when side guards are used: 200.0 mm (7.90 in)

Non Standard material and color: See uni Material and Color Overview.

Accessories

Tab/NON STANDARD

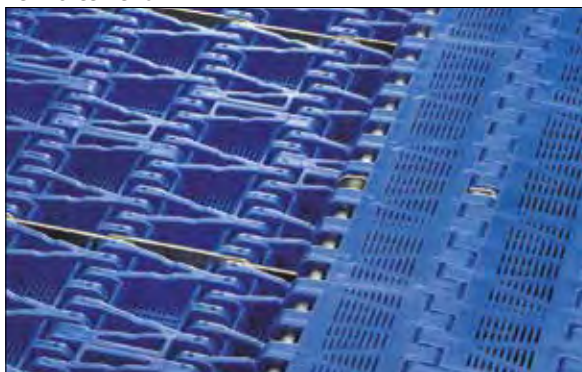


Type	Belt material & color	G		H		J		K	
		mm	in	mm	in	mm	in	mm	in
Bottom Hold Down	POM-D W	4.2	0.17	22.0	0.87	23.2	0.92	17.0	0.67
	POM-LF B								
	POM-D W								

Non Standard material and color: See uni Material and Color Overview.

Accessories

Reinforcement Link



The use of uni-chains belts with the SS reinforcement /pitch control links in blanchers, cookers and other high temperature applications will reduce belt elongation due to temperature by more than 90%. This will simplify the belt take-up system and reduce maintenance.

uni-chains recommends one reinforcement link per K600 module.

Type	Material & color	N/row	Lbf/row
Steel Link	SS316	2500	562

Note: Reinforcement links require the use of SS pins.

Non Standard material and color: See uni Material and Color Overview.

Sprocket

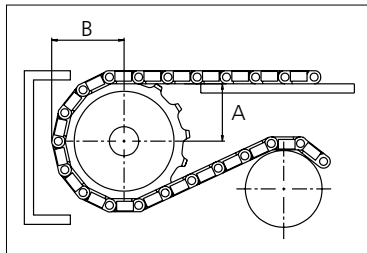
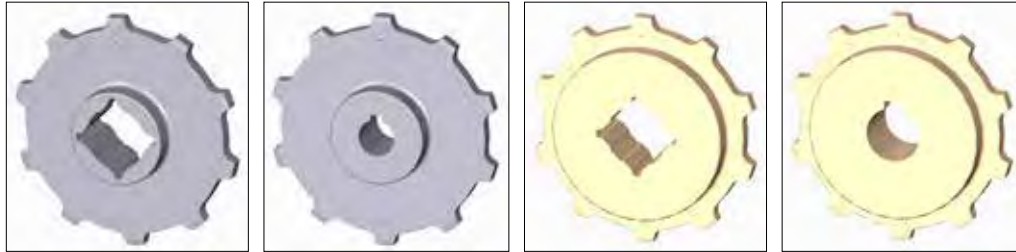
No of teeth	Bore size													Overall diameter		Pitch-diameter		Hub-diameter		A-dimension		B-dimension		Single row/Two way	Double row/Two way	Molded PA6 LG	Machined PA6 N
	Pilot Bore	in	0.75	0.78	0.98	1.00	1.18	1.25	1.50	1.57	2.36	2.50	3.54														
	mm	19.1	20.0	25.0	25.4	30.0	31.8	38.1	40.0	60.0	63.5	90.0	mm	in	mm	in	mm	in	mm	in							
Z06	x				●	●	●	■	■				94.5	3.72	100.3	3.95	65	2.56	35.5	1.40	58.6	2.31	x		x		
Z08	x				●	●	●	■	■				129	5.08	131.1	5.16	65	2.56	52.6	2.07	74	2.91	x		x		
Z10	x					●	●	■	■	■			160.1	6.30	162.4	6.39	65	2.56	69.2	2.72	89.7	3.53	x		x		
Z12	x					●	●	■	■	■			191.5	7.54	193.9	7.63	65	2.56	85.7	3.37	105.5	4.15	x		x		
Z13	x					●		■	■	■			207.3	8.16	209.7	8.26	72	2.83	93.8	3.69	113.4	4.46	x		x		
Z13													207.3	8.16	209.7	8.26	150	5.91	93.8	3.69	113.4	4.46	x			x	
Z16	x					●		■	■	■			254.8	10.03	257.3	10.13	200	7.87	118.2	4.65	137.1	5.40	x			x	

■ Molded sprocket

● Molded sprocket

■ Machined sprocket

● Machined sprocket



Non standard material and color: See uni Material and Color Overview.

Other sprocket sizes are available upon request.
 Two-part sprocket are available upon request.
 Round bores are always delivered with keyway.
 Other bore sizes are available upon request.
 uni Retainer Rings: See uni Retainer Ring data sheet
 Width of tooth = 11.0 mm (0.43 in)
 Width of sprocket = 42.3 mm (1.67 in)

Max load per sprocket shown does not take bore size into account.
 Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni OPB.
 For more detailed sprocket information. contact Customer Service.

uni OPB 4V 23%/1301



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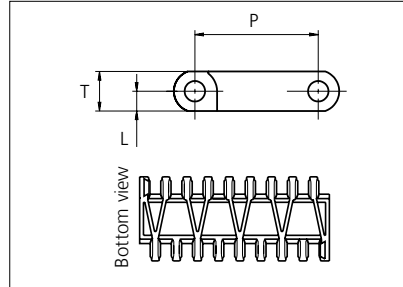
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Plastic Modular Belt

Serie **uni OPB 4V** Type **36%**



Straight running belt
 Nominal pitch: 50.0 mm (1.97 in)
 Surface type: Flat
 Surface opening: 36%
 Backflex radius: 75.0 mm (3.00 in)
 Pin diameter: ø8 mm (1.97 in)

*uni-chains recommends this travel direction. However, travel in both directions is possible.

Note: uni OPB 36% 4V are listed in the USDA "Accepted Meat and Poultry Equipment" publication as accepted food contact.

Belt material & color	PP W	mm	in		mm	in	
Pin and lock material & color	PP W	P (Nominal)	50.0	1.97	T	16.0	0.63
		L	8.0	0.31	-	-	-

Non standard material and color: See uni Material and Color Overview.

Alternative pin and lock materials: Trilock: PP-HW **LB** Endlock: PP **W** **G** **B** and PE **W** **B** Lockpin: PE **W** PA6.6 **N** **B** and PBT **LG**
 Pin: PP **W** PE **W** PBT **LG** SS304 and SS316

Belt width		Permissible tensile force (Belt/pin material)		Belt weight (Belt/pin material)		*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		PP/PP		PP/PP			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	kg/m	lb/ft			
152	6.0	1672	376	1.0	0.65	2	2	2
303	11.9	3333	749	1.9	1.30	3	3	2
455	17.9	5005	1125	2.9	1.96	4	4	2
606	23.9	6666	1499	3.9	2.61	5	5	3
758	29.8	8338	1874	4.9	3.26	6	6	3
909	35.8	9999	2248	5.8	3.91	7	7	4
1061	41.8	11671	2624	6.8	4.56	8	8	4
1212	47.7	13332	2997	7.8	5.21	9	9	5
1364	53.7	15004	3373	8.7	5.87	10	10	5
1515	59.6	16665	3746	9.7	6.52	11	11	6
1667	65.6	18337	4122	10.7	7.17	12	12	6
1818	71.6	19998	4496	11.6	7.82	13	13	7

Additional standard belt widths are available in steps of 151.5 mm (5.96 in.) Additional non-standard belt widths are available in steps of 33.5 mm (1.32 in.)

2576	101.4	28336	6370	16.5	11.08	18	18	9
------	-------	-------	------	------	-------	----	----	---

Additional standard belt widths are available in steps of 151.5 mm (5.96 in.) Additional non-standard belt widths are available in steps of 33.5 mm (1.32 in.)

2879	113.3	31669	7119	18.4	12.38	20	20	10
------	-------	-------	------	------	-------	----	----	----

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.

*Max. Load per Drive Sprocket. Belt material: POM 2500 N (562 lbf), PP 1200 N (270 lbf), PE 500 N (270 lbf)

**Max. Spacing between wear strips, Carry: 152 mm (6 in.) ; Return: 304 mm (12 in.)



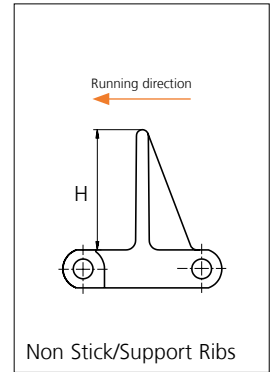
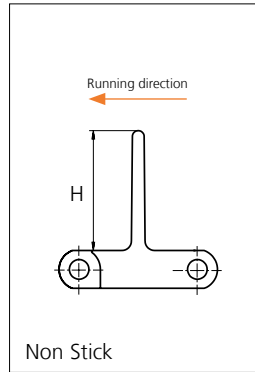
STANDARD

STRAIGHT RUNNING

PITCH 50.0 MM/1.97 IN

Accessories

Flight

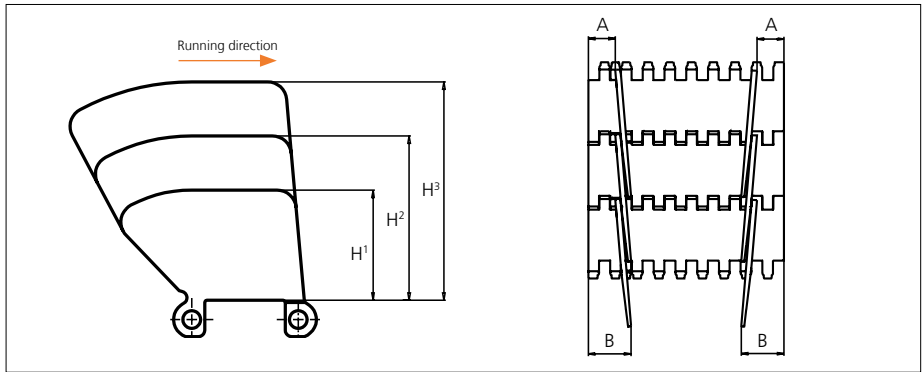


Type	Flight material & color	H		Link size	Width		Indent	
		mm	in		mm	in	mm	in
Non Stick	PP-HW B	50.8	2.00	K600	151.0	5.94	0.0	0.00
Non Stick/ Support Ribs		76.2	3.00					
		101.6	4.00					

Non Standard material and color: See uni Material and Color Overview.

Accessories

Side Guard



Type	Material & color	H ¹		H ²		H ³		A*		B*	
		mm	in	mm	in	mm	in	mm	in	mm	in
Closed	PP-HW B	51.8	2.04	77.2	3.04	102.6	4.04	21.0	0.83	34.0	1.34

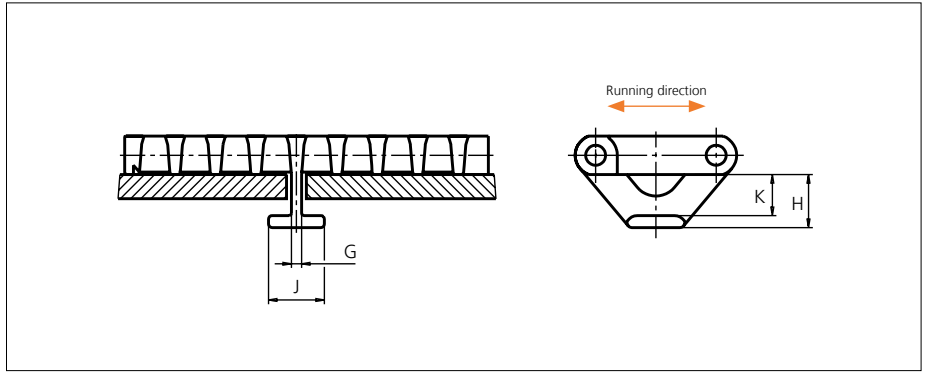
* Min. indent Increment : 8.4 mm (0.33 in)

Note: Backflex radius when side guards are used: 200.0 mm (7.90 in)

Non Standard material and color: See uni Material and Color Overview.

Accessories

Tab/NON STANDARD



Type	Belt material & color	G		H		J		K	
		mm	in	mm	in	mm	in	mm	in
Bottom Hold Down	POM-D W	4.2	0.17	22.0	0.87	23.2	0.92	17.0	0.67
	POM-LF B								
	POM-D W								

Non Standard material and color: See uni Material and Color Overview.

Sprocket

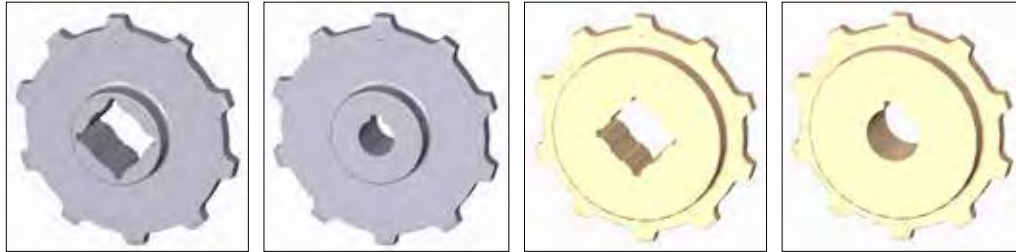
No of teeth	Bore size													Overall diameter		Pitch-diameter		Hub-diameter		A-dimension		B-dimension		Single row/Two way	Double row/Two way	Molded PA6 LG	Machined PA6 N
	Pilot Bore	in	0.75	0.78	0.98	1.00	1.18	1.25	1.50	1.57	2.36	2.50	3.54														
	mm	19.1	20.0	25.0	25.4	30.0	31.8	38.1	40.0	60.0	63.5	90.0	mm	in	mm	in	mm	in	mm	in							
Z06	x				●	●	●	■	■				94.5	3.72	100.3	3.95	65	2.56	35.5	1.40	58.6	2.31	x		x		
Z08	x				●	●	●	■	■				129	5.08	131.1	5.16	65	2.56	52.6	2.07	74	2.91	x		x		
Z10	x					●	●	■	■				160.1	6.30	162.4	6.39	65	2.56	69.2	2.72	89.7	3.53	x		x		
Z12	x					●	●	■	■				191.5	7.54	193.9	7.63	65	2.56	85.7	3.37	105.5	4.15	x		x		
Z13	x					●		■	■				207.3	8.16	209.7	8.26	72	2.83	93.8	3.69	113.4	4.46	x		x		
Z13													207.3	8.16	209.7	8.26	150	5.91	93.8	3.69	113.4	4.46	x			x	
Z16	x					●		■	■				254.8	10.03	257.3	10.13	200	7.87	118.2	4.65	137.1	5.40	x			x	

■ Molded sprocket

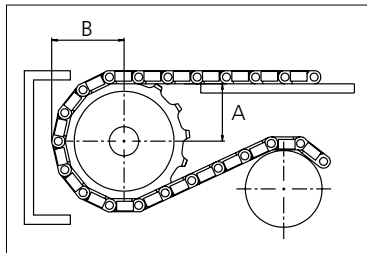
● Molded sprocket

■ Machined sprocket

● Machined sprocket



Non standard material and color: See uni Material and Color Overview.



Other sprocket sizes are available upon request.
 Two-part sprocket are available upon request.
 Round bores are always delivered with keyway.
 Other bore sizes are available upon request.
 uni Retainer Rings: See uni Retainer Ring data sheet
 Width of tooth = 11.0 mm (0.43 in)
 Width of sprocket = 42.3 mm (1.67 in)

Max load per sprocket shown does not take bore size into account.
 Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni OPB.
 For more detailed sprocket information, contact Customer Service.

uni OPB 4V 36%/1301



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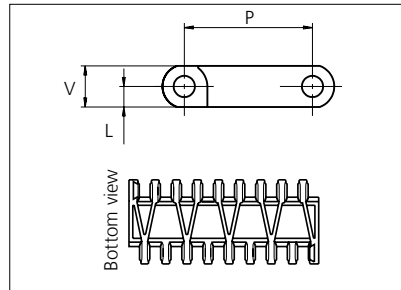
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Plastic Modular Belt

Series **uni OPB 4V** Type **C**



Straight running belt
 Nominal pitch: 50.0 mm (1.97 in)
 Surface type: Flat
 Surface opening: Closed
 Backflex radius: 75.0 mm (3.00 in)
 Pin diameter: ø8 mm (1.97 in)

*uni-chains recommends this travel direction. However, travel in both directions is possible.

Recommended belt material & color	POM-D W	mm	in	mm	in	
		P (Nominal)	50.0	1.97	V	16.0
Recommended pin and lock material & color	PP W	L	8.0	0.31	-	-

Non standard material and color: See uni Material and Color Overview.

Alternative materials: Belt: POM-LF, POM-SLF, PP, PE, PA6.6 and PA6.6H

Rodlock: PP **W**

Endlock: PP **W** **G** **B** and PE **W** **B**

Lockpin: PE **W** PA6.6 **N** PP **W**

Pin: PP **W** PE **W** SS304 and SS316

Belt width		Permissible tensile force (Belt/pin material)						Belt weight (Belt/pin material)						*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-D/PA6.6		PP/PA6.6		PE/PA6.6		POM-D/PA6.6		PP/PA6.6		PE/PA6.6			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft	kg/m	lb/ft			
152	6.0	3344	752	1672	376	1003	226	1.8	1.20	1.1	0.77	1.2	0.83	2	2	2
303	11.9	6666	1499	3333	749	2000	450	3.5	2.38	2.3	1.53	2.5	1.65	3	3	2
455	17.9	10010	2250	5005	1125	3003	675	5.3	3.58	3.4	2.29	3.7	2.48	4	4	2
606	23.9	13332	2997	6666	1499	4000	899	7.1	4.76	4.5	3.05	4.9	3.30	5	5	3
758	29.8	16676	3749	8338	1874	5003	1125	8.9	5.96	5.7	3.82	6.1	4.13	6	6	3
909	35.8	19998	4496	9999	2248	5999	1349	10.6	7.15	6.8	4.58	7.4	4.95	7	7	4
1061	41.8	23342	5247	11671	2624	7003	1574	12.4	8.34	8.0	5.35	8.6	5.78	8	8	4
1212	47.7	26664	5994	13332	2997	7999	1798	14.2	9.53	9.1	6.11	9.8	6.60	9	9	5
1364	53.7	30008	6746	15004	3373	9002	2024	16.0	10.73	10.2	6.88	11.0	7.43	10	10	5
1515	59.6	33330	7493	16665	3746	9999	2248	17.7	11.91	11.4	7.64	12.3	8.25	11	11	6
1667	65.6	36674	8244	18337	4122	11002	2473	19.5	13.11	12.5	8.40	13.5	9.07	12	12	6
1818	71.6	39996	8991	19998	4496	11999	2697	21.3	14.29	13.6	9.16	14.7	9.90	13	13	7
1970	77.6	43340	9743	21670	4871	13002	2923	23.0	15.49	14.8	9.93	16.0	10.72	14	14	7

Additional standard belt widths are available in steps of 151.5 mm (5.96 in.) Additional non-standard belt widths are available in steps of 33.5 mm (1.32 in.)

2576	101.4	56672	12740	28336	6370	17002	3822	30.1	20.26	19.3	12.98	20.9	14.02	18	18	9
------	-------	-------	-------	-------	------	-------	------	------	-------	------	-------	------	-------	----	----	---

Additional standard belt widths are available in steps of 151.5 mm (5.96 in.) Additional non-standard belt widths are available in steps of 33.5 mm (1.32 in.)

2879	113.3	63338	14238	31669	7119	19001	4272	33.7	22.64	21.6	14.51	23.3	15.67	20	20	10
------	-------	-------	-------	-------	------	-------	------	------	-------	------	-------	------	-------	----	----	----

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.

*Max. Load per Drive Sprocket. Belt material: POM 2500 N (562 lbf), PP 1200 N (270 lbf), PE 500 N (270 lbf)

**Max. Spacing between wear strips, Carry: 152 mm (6 in.); Return: 304 mm (12 in.)



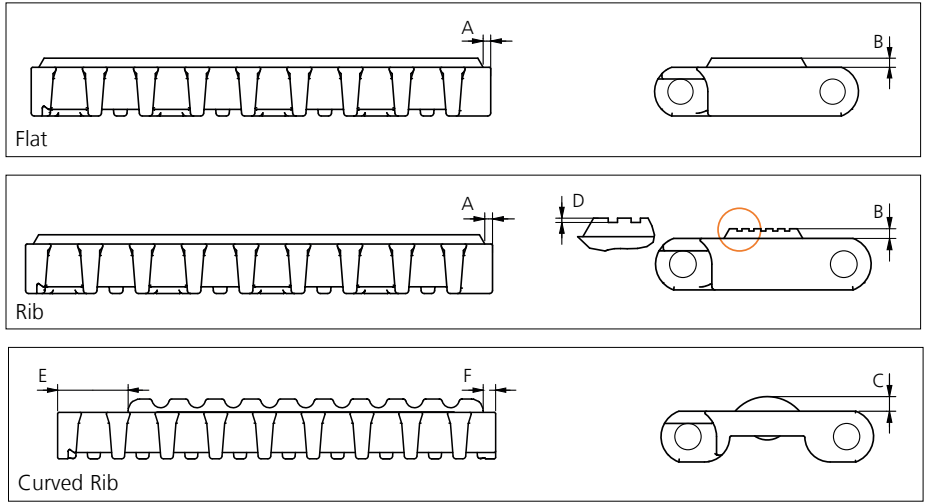
NON STANDARD

STRAIGHT RUNNING

PITCH 50.0 MM/1.97 IN

Accessories

Rubber Top

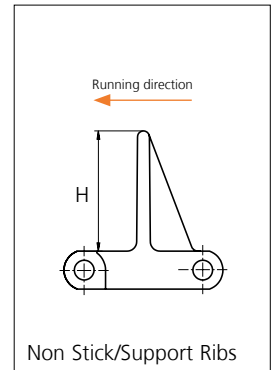
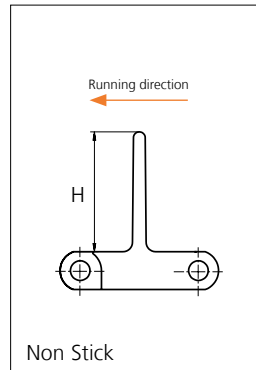


Type	Belt Material & color	Rubber Material & color	A		B		C		D		E		F		Link size	Width	
			mm	in	mm	in	mm	in	mm	in	mm	in	mm	in		mm	in
Flat	POM-LF BR	03 N															
Rib	POM-D W		2.5	0.10	3.0	0.12	4.5	0.18	0.7	0.03	24.0	0.94	4.0	0.16	K600	150.5	5.93
Curved Rib	POM-D W	03 K															

Other Non Standard Rubber profiles: See uni Rubber Profile Overview.

Accessories

Flight

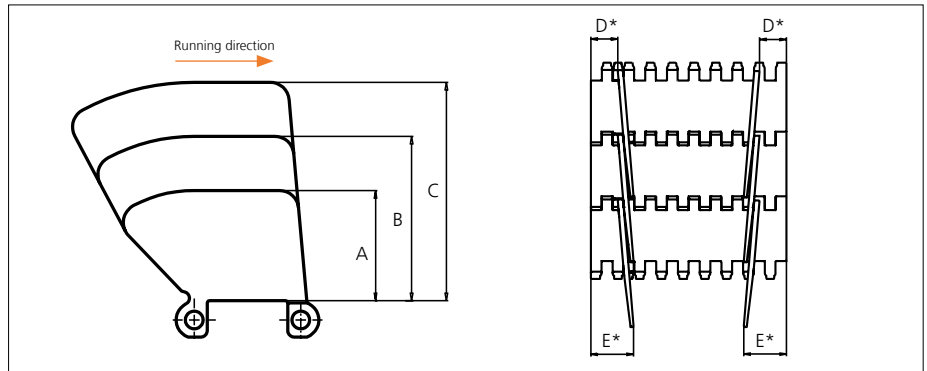


Type	Recommended Material & color	H		Link size	Width		Indent	
		mm	in		mm	in	mm	in
Non Stick	PP-HW B	50.8	2.00	K600	151.0	5.94	0.0	0.00
Non Stick/ Support Ribs		76.2	3.00					
		101.6	4.00					

Non Standard material and color: See uni Material and Color Overview.

Accessories

Side Guard



Type	Recommended Material & color	A		B		C		D*		E*	
		mm	in	mm	in	mm	in	mm	in	mm	in
Closed	PP-HW B	51.8	2.04	77.2	3.04	102.6	4.04	21.0	0.83	34.0	1.34

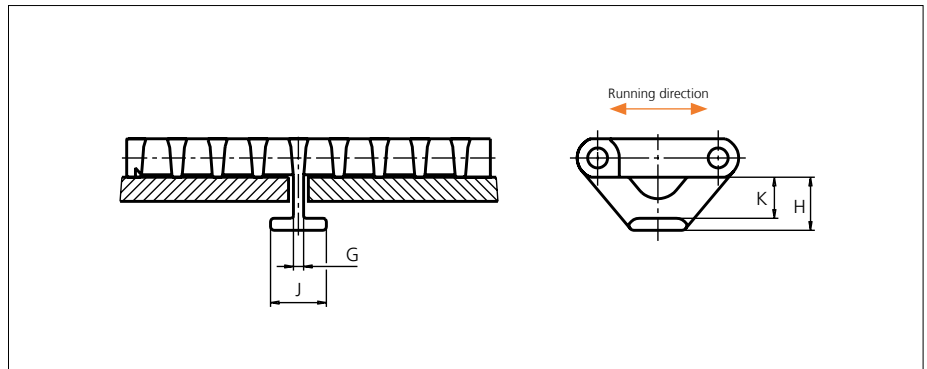
* Min. indent Increment : 8.4 mm (0.33 in)

Note: Backflex radius when side guard are used: 200.0 mm (7.90 in)

Non Standard material and color: See uni Material and Color Overview.

Accessories

Tab

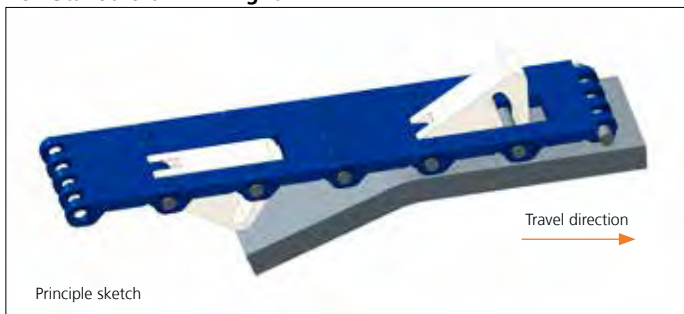


Type	Recommended Material & color	G		H		J		K	
		mm	in	mm	in	mm	in	mm	in
Bottom Hold Down	POM-D W	4.2	0.17	22.0	0.87	23.2	0.92	17.0	0.67
	POM-LF B								
	PP W								

Non Standard material and color: See uni Material and Color Overview.

Accessories

Non Standard uni AmFlight



Other Non Standard option: See uni AmFlight Overview.

Sprocket

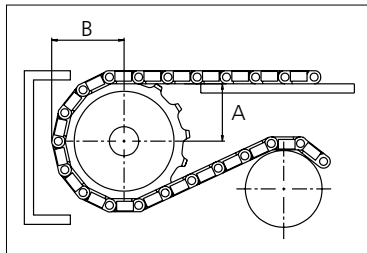
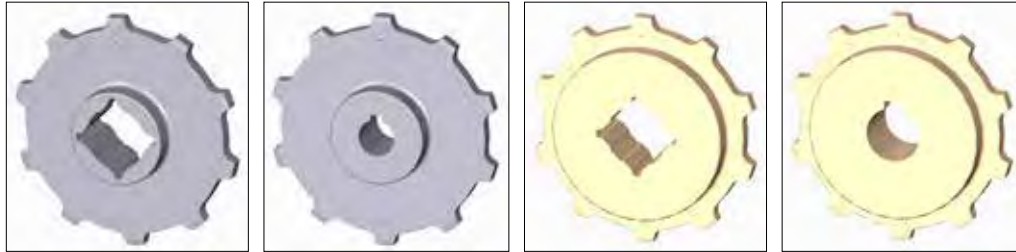
No of teeth	Bore size													Overall diameter		Pitch diameter		Hub diameter		A-dimension		B-dimension		Single row/Two way	Double row/Two way	Molded PA6 LG	Machined PA6 N
	Pilot Bore	in	0.75	0.78	0.98	1.00	1.18	1.25	1.50	1.57	2.36	2.50	3.54														
	mm	19.1	20.0	25.0	25.4	30.0	31.8	38.1	40.0	60.0	63.5	90.0	mm	in	mm	in	mm	in	mm	in							
Z06	x				●	●	●	■	■				94.5	3.72	100.3	3.95	65	2.56	35.5	1.40	58.6	2.31	x		x		
Z08	x				●	●	●	■	■				129	5.08	131.1	5.16	65	2.56	52.6	2.07	74	2.91	x		x		
Z10	x					●	●	■	■				160.1	6.30	162.4	6.39	65	2.56	69.2	2.72	89.7	3.53	x		x		
Z12	x					●	●	■	■				191.5	7.54	193.9	7.63	65	2.56	85.7	3.37	105.5	4.15	x		x		
Z13	x					●		■	■				207.3	8.16	209.7	8.26	72	2.83	93.8	3.69	113.4	4.46	x		x		
Z13											■		207.3	8.16	209.7	8.26	150	5.91	93.8	3.69	113.4	4.46	x			x	
Z16	x					●		■	■		■		254.8	10.03	257.3	10.13	200	7.87	118.2	4.65	137.1	5.40	x			x	

■ Molded sprocket

● Molded sprocket

■ Machined sprocket

● Machined sprocket



Other sprocket sizes are available upon request.
 Two-part sprocket are available upon request.
 Round bores are always delivered with keyway.
 Other bore sizes are available upon request.
 uni Retainer Rings: See uni Retainer Ring data sheet
 Width of tooth = 11.0 mm (0.43 in)
 Width of sprocket = 42.3 mm (1.67 in)

Max load per sprocket shown does not take bore size into account.
 Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni OPB.
 For more detailed sprocket information, contact Customer Service.

Non standard material and color: See uni Material and Color Overview.

uni OPB 4V C/1301



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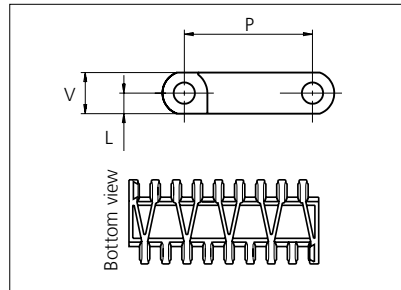
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Plastic Modular Belt

Series **uni OPB 4V** Type **Rough**



Straight running belt
 Nominal pitch: 50.0 mm (1.97 in)
 Surface type: Rough Top
 Surface opening: Closed
 Backflex radius: 75.0 mm (3.00 in)
 Pin diameter: \varnothing 8 mm (1.97 in)

*uni-chains recommends this travel direction. However, travel in both directions is possible.

Recommended belt material & color	POM-D W	mm	in	mm	in	
		P (Nominal)	50.0	1.97	V	16.0
Recommended pin and lock material & color	PP W	L	8.0	0.31	-	-

Non standard material and color: See uni Material and Color Overview.

Alternative materials: Belt: POM-LF, POM-SLF, PP, PE, PA6.6 and PA6.6H

Rodlock: PP **W**

Endlock: PP **W** **G** **B** and PE **W** **B**

Lockpin: PE **W** PA6.6 **N** PP **W**

Pin: PP **W** PE **W** SS304 and SS316

Belt width		Permissible tensile force (Belt/pin material)						Belt weight (Belt/pin material)						*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-D/PA6.6		PP/PA6.6		PE/PA6.6		POM-D/PA6.6		PP/PA6.6		PE/PA6.6			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft	kg/m	lb/ft			
152	6.0	3344	752	1672	376	1003	226	1.8	1.20	1.1	0.77	1.2	0.83	2	2	2
303	11.9	6666	1499	3333	749	2000	450	3.5	2.38	2.3	1.53	2.5	1.65	3	3	2
455	17.9	10010	2250	5005	1125	3003	675	5.3	3.58	3.4	2.29	3.7	2.48	4	4	2
606	23.9	13332	2997	6666	1499	4000	899	7.1	4.76	4.5	3.05	4.9	3.30	5	5	3
758	29.8	16676	3749	8338	1874	5003	1125	8.9	5.96	5.7	3.82	6.1	4.13	6	6	3
909	35.8	19998	4496	9999	2248	5999	1349	10.6	7.15	6.8	4.58	7.4	4.95	7	7	4
1061	41.8	23342	5247	11671	2624	7003	1574	12.4	8.34	8.0	5.35	8.6	5.78	8	8	4
1212	47.7	26664	5994	13332	2997	7999	1798	14.2	9.53	9.1	6.11	9.8	6.60	9	9	5
1364	53.7	30008	6746	15004	3373	9002	2024	16.0	10.73	10.2	6.88	11.0	7.43	10	10	5
1515	59.6	33330	7493	16665	3746	9999	2248	17.7	11.91	11.4	7.64	12.3	8.25	11	11	6
1667	65.6	36674	8244	18337	4122	11002	2473	19.5	13.11	12.5	8.40	13.5	9.07	12	12	6
1818	71.6	39996	8991	19998	4496	11999	2697	21.3	14.29	13.6	9.16	14.7	9.90	13	13	7
1970	77.6	43340	9743	21670	4871	13002	2923	23.0	15.49	14.8	9.93	16.0	10.72	14	14	7

Additional standard belt widths are available in steps of 151.5 mm (5.96 in.) Additional non-standard belt widths are available in steps of 33.5 mm (1.32 in.)

2576	101.4	56672	12740	28336	6370	17002	3822	30.1	20.26	19.3	12.98	20.9	14.02	18	18	9
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Additional standard belt widths are available in steps of 151.5 mm (5.96 in.) Additional non-standard belt widths are available in steps of 33.5 mm (1.32 in.)

2879	113.3	63338	14238	31669	7119	19001	4272	33.7	22.64	21.6	14.51	23.3	15.67	20	20	10
------	-------	-------	-------	-------	------	-------	------	------	-------	------	-------	------	-------	----	----	----

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.

*Max. Load per Drive Sprocket. Belt material: POM 2500 N (562 lbf), PP 1200 N (270 lbf), PE 500 N (270 lbf)

**Max. Spacing between wear strips, Carry: 152 mm (6 in.); Return: 304 mm (12 in.)



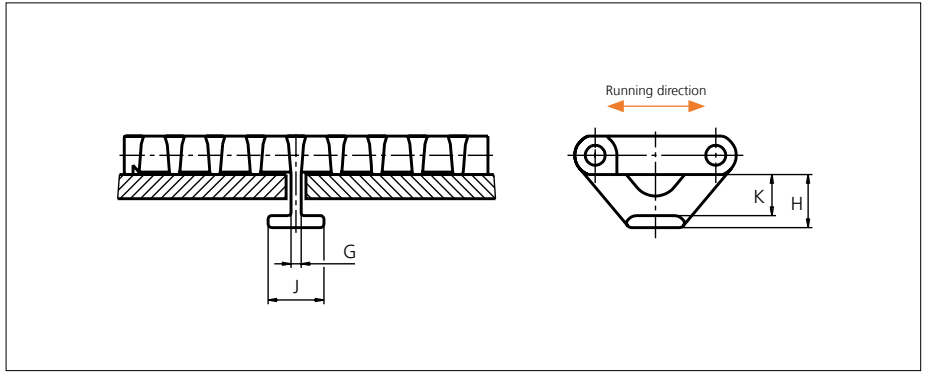
NON STANDARD

STRAIGHT RUNNING

PITCH 50.0 MM/1.97 IN

Accessories

Tab



Type	Recommended material & color	G		H		J		K	
		mm	in	mm	in	mm	in	mm	in
Bottom Hold Down	POM-D W	4.2	0.17	22.0	0.87	23.2	0.92	17.0	0.67
	POM-LF B								
	POM-D W								

Non Standard material and color: See uni Material and Color Overview.

Sprocket

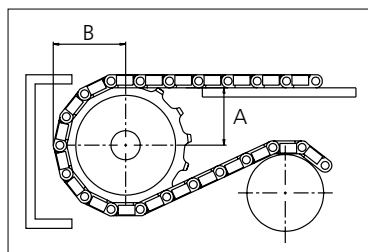
No of teeth	Bore size													Overall diameter		Pitch-diameter		Hub-diameter		A-dimension		B-dimension		Single row/Two way	Double row/Two way	Machined	
	Pilot Bore	Bore size											Molded													Machined	
		mm	in	0.75	0.78	0.98	1.00	1.18	1.25	1.50	1.57	2.36		2.50	3.54	mm	in	mm	in	mm	in	mm	in	PA6 LG	PA6 N		
Z06	x					●	●	●	■	■				94.5	3.72	100.3	3.95	65	2.56	35.5	1.40	58.6	2.31	x		x	
Z08	x					●	●	●	■	■				129	5.08	131.1	5.16	65	2.56	52.6	2.07	74	2.91	x		x	
Z10	x					●	●	●	■	■				160.1	6.30	162.4	6.39	65	2.56	69.2	2.72	89.7	3.53	x		x	
Z12	x					●	●	●	■	■				191.5	7.54	193.9	7.63	65	2.56	85.7	3.37	105.5	4.15	x		x	
Z13	x					●			■	■				207.3	8.16	209.7	8.26	72	2.83	93.8	3.69	113.4	4.46	x		x	
Z13														207.3	8.16	209.7	8.26	150	5.91	93.8	3.69	113.4	4.46	x			x
Z16	x					●			■	■				254.8	10.03	257.3	10.13	200	7.87	118.2	4.65	137.1	5.40	x			x

■ Molded sprocket

● Molded sprocket

■ Machined sprocket

● Machined sprocket



Other sprocket sizes are available upon request.
 Two-part sprocket are available upon request.
 Round bores are always delivered with keyway.
 Other bore sizes are available upon request.
 uni Retainer Rings: See uni Retainer Ring data sheet
 Width of tooth = 11.0 mm (0.43 in)
 Width of sprocket = 42.3 mm (1.67 in)

Max load per sprocket shown does not take bore size into account.
 Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni OPB.
 For more detailed sprocket information, contact Customer Service.

Non standard material and color: See uni Material and Color Overview.



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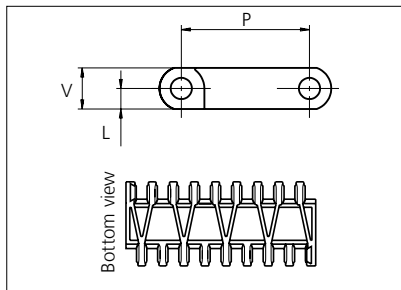
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Plastic Modular Belt

Series **uni OPB 4V** Type **Vacuum**



Straight running belt
 Nominal pitch: 50.0 mm (1.97 in)
 Surface type: Flat
 Surface opening: ø5.5 mm (0.22 in)
 Backflex radius: 75.0 mm (3.00 in)
 Pin diameter: ø8 mm (1.97 in)

*uni-chains recommends this travel direction. However, travel in both directions is possible.

Recommended belt material & color	POM-D W	mm	in	mm	in		
		P (Nominal)	50.0	1.97	V	16.0	0.63
Recommended pin and lock material & color	PP W	L	8.0	0.31	-	-	-

Non standard material and color: See uni Material and Color Overview.

Alternative materials: Belt: POM-LF, POM-SLF, PP, PE, PA6.6 and PA6.6H

Rodlock: PP **W**

Endlock: PP **W** **G** **B** and PE **W** **B**

Lockpin: PE **W** PA6.6 **N** PP **W**

Pin: PP **W** PE **W** SS304 and SS316

Belt width		Permissible tensile force (Belt/pin material)						Belt weight (Belt/pin material)						*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-D/PA6.6		PP/PA6.6		PE/PA6.6		POM-D/PA6.6		PP/PA6.6		PE/PA6.6			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft	kg/m	lb/ft			
151	5.9	3322	747	1661	373	997	224	1.8	1.19	1.1	0.76	1.2	0.82	2	2	2
302	11.9	6644	1494	3322	747	1993	448	3.5	2.37	2.3	1.52	2.4	1.64	3	3	2
453	17.8	9966	2240	4983	1120	2990	672	5.3	3.56	3.4	2.28	3.7	2.47	4	4	2
604	23.8	13288	2987	6644	1494	3986	896	7.1	4.75	4.5	3.04	4.9	3.29	5	5	3
755	29.7	16610	3734	8305	1867	4983	1120	8.8	5.94	5.7	3.81	6.1	4.11	6	6	3
906	35.7	19932	4481	9966	2240	5980	1344	10.6	7.12	6.8	4.57	7.3	4.93	7	7	4
1057	41.6	23254	5227	11627	2614	6976	1568	12.4	8.31	7.9	5.33	8.6	5.75	8	8	4
1208	47.6	26576	5974	13288	2987	7973	1792	14.1	9.50	9.1	6.09	9.8	6.58	9	9	5
1359	53.5	29898	6721	14949	3361	8969	2016	15.9	10.69	10.2	6.85	11.0	7.40	10	10	5
1510	59.4	33220	7468	16610	3734	9966	2240	17.7	11.87	11.3	7.61	12.2	8.22	11	11	6
1661	65.4	36542	8215	18271	4107	10963	2464	19.4	13.06	12.5	8.37	13.5	9.04	12	12	6
1812	71.3	39864	8961	19932	4481	11959	2688	21.2	14.25	13.6	9.13	14.7	9.86	13	13	7
1963	77.3	43186	9708	21593	4854	12956	2912	23.0	15.44	14.7	9.89	15.9	10.69	14	14	7

Additional standard belt widths are available in steps of 151.0 mm (5.94 in.) Additional non-standard belt widths are available in steps of 33.6 mm (1.32 in.)

2567	101.1	56474	12695	28237	6348	16942	3809	30.0	20.18	19.3	12.94	20.8	13.97	18	18	9
------	-------	-------	-------	-------	------	-------	------	------	-------	------	-------	------	-------	----	----	---

Additional standard belt widths are available in steps of 151.0 mm (5.94 in.) Additional non-standard belt widths are available in steps of 33.6 mm (1.32 in.)

2869	113.0	63118	14189	31559	7094	18935	4257	33.6	22.56	21.5	14.46	23.2	15.62	20	20	10
------	-------	-------	-------	-------	------	-------	------	------	-------	------	-------	------	-------	----	----	----

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request

*Max. Load per Drive Sprocket. Belt material: POM 2500 N (562 lbf), PP 1200 N (270 lbf), PE 500 N (270 lbf)

**Max. Spacing between wear strips, Carry: 152 mm (6 in) ; Return: 304 mm (12 in)

= Single Link



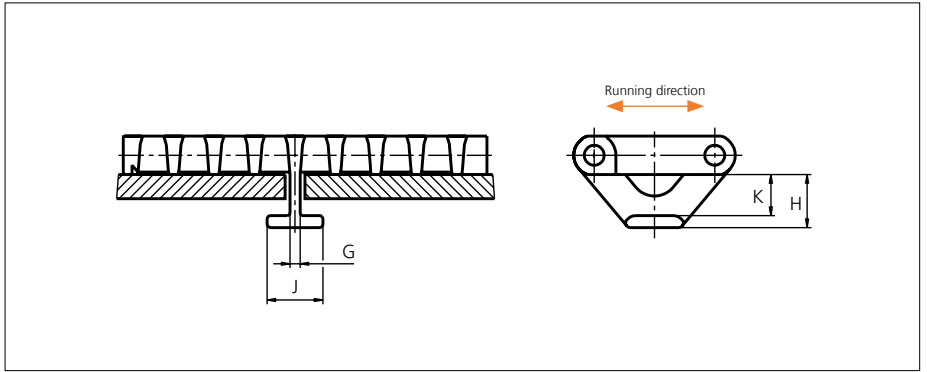
NON STANDARD

STRAIGHT RUNNING

PITCH 50.0 MM/1.97 IN

Accessories

Tab



Type	Recommended material & color	G		H		J		K	
		mm	in	mm	in	mm	in	mm	in
Bottom Hold Down	POM-D W	4.2	0.17	22.0	0.87	23.2	0.92	17.0	0.67
	POM-LF B								
	PP W								

Non Standard material and color: See uni Material and Color Overview.

Sprocket

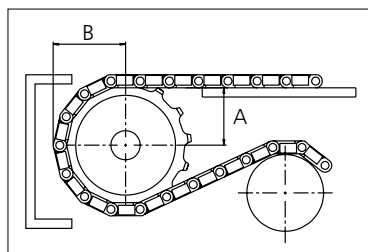
No of teeth	Bore size													Overall diameter		Pitch-diameter		Hub-diameter		A-dimension		B-dimension		Single row/Two way	Double row/Two way	Molded PA6 LG	Machined PA6 N
	Pilot Bore		Bore size																								
	mm	in	19.1	0.75	0.78	0.98	1.00	1.18	1.25	1.50	1.57	2.36	2.50	3.54	mm	in	mm	in	mm	in	mm	in					
Z06	x					●	●	●	■	■				94.5	3.72	100.3	3.95	65	2.56	35.5	1.40	58.6	2.31	x		x	
Z08	x					●	●	●	■	■				129	5.08	131.1	5.16	65	2.56	52.6	2.07	74	2.91	x		x	
Z10	x						●	●	■	■				160.1	6.30	162.4	6.39	65	2.56	69.2	2.72	89.7	3.53	x		x	
Z12	x						●	●	■	■				191.5	7.54	193.9	7.63	65	2.56	85.7	3.37	105.5	4.15	x		x	
Z13	x					●			■	■				207.3	8.16	209.7	8.26	72	2.83	93.8	3.69	113.4	4.46	x		x	
Z13												■		207.3	8.16	209.7	8.26	150	5.91	93.8	3.69	113.4	4.46	x			x
Z16	x					●			■	■		■		254.8	10.03	257.3	10.13	200	7.87	118.2	4.65	137.1	5.40	x			x

■ Molded sprocket

● Molded sprocket

■ Machined sprocket

● Machined sprocket



Other sprocket sizes are available upon request.
 Two-part sprocket are available upon request.
 Round bores are always delivered with keyway.
 Other bore sizes are available upon request.
 uni Retainer Rings: See uni Retainer Ring data sheet
 Width of tooth = 11.0 mm (0.43 in)
 Width of sprocket = 42.3 mm (1.67 in)

Max load per sprocket shown does not take bore size into account.
 Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni OPB.
 For more detailed sprocket information, contact Customer Service.

Non standard material and color: See uni Material and Color Overview.



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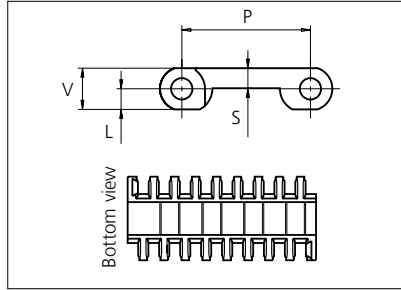
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Plastic Modular Belt

Series **uni OPB 8** Type **20%**



Straight running belt
 Nominal pitch: 50.0 mm (1.97 in)
 Surface type: Flat
 Surface opening: 20%
 Backflex radius: 75.0 mm (3.00 in)
 Pin diameter: ø8 mm (1.97 in)

*uni-chains recommends this travel direction. However, travel in both directions is possible.

Recommended belt material & color	POM-D W		mm	in		mm	in
		P (Nominal)	50.0	1.97	V	16.0	0.63
Recommended pin and lock material & color	PP W						
		L	8.0	0.31	S	7.8	0.31

Non standard material and color: See uni Material and Color Overview.

Alternative materials: Belt: POM-LF, POM-SLF, PP, PE, PA6.6 and PA6.6H

Rodlock: PP **W**

Endlock: PP **W** **G** **B** and PE **W** **B**

Lockpin: PE **W** PA6.6 **N** PP **W**

Pin: PP **W** PE **W** SS304 and SS316

Belt width		Permissible tensile force (Belt/pin material)						Belt weight (Belt/pin material)						*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-D/PA6.6		PP/PA6.6		PE/PA6.6		POM-D/PA6.6		PP/PA6.6		PE/PA6.6			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft	kg/m	lb/ft			
152	6.0	3344	752	1672	376	1003	226	1.5	1.03	1.0	0.70	1.1	0.75	2	2	2
303	11.9	6666	1499	3333	749	2000	450	3.1	2.06	2.1	1.41	2.2	1.49	3	3	2
455	17.9	10010	2250	5005	1125	3003	675	4.6	3.09	3.1	2.11	3.3	2.23	4	4	2
606	23.9	13332	2997	6666	1499	4000	899	6.1	4.11	4.2	2.81	4.4	2.97	5	5	3
758	29.8	16676	3749	8338	1874	5003	1125	7.7	5.15	5.2	3.51	5.5	3.72	6	6	3
909	35.8	19998	4496	9999	2248	5999	1349	9.2	6.17	6.3	4.22	6.6	4.46	7	7	4
1061	41.8	23342	5247	11671	2624	7003	1574	10.7	7.20	7.3	4.92	7.7	5.21	8	8	4
1212	47.7	26664	5994	13332	2997	7999	1798	12.2	8.23	8.4	5.62	8.8	5.95	9	9	5
1364	53.7	30008	6746	15004	3373	9002	2024	13.8	9.26	9.4	6.33	10.0	6.69	10	10	5
1515	59.6	33330	7493	16665	3746	9999	2248	15.3	10.28	10.5	7.03	11.1	7.43	11	11	6
1667	65.6	36674	8244	18337	4122	11002	2473	16.8	11.32	11.5	7.73	12.2	8.18	12	12	6
1818	71.6	39996	8991	19998	4496	11999	2697	18.4	12.34	12.5	8.43	13.3	8.92	13	13	7
1970	77.6	43340	9743	21670	4871	13002	2923	19.9	13.37	13.6	9.14	14.4	9.66	14	14	7

Additional standard belt widths are available in steps of 151.5 mm (5.96 in.) Additional non-standard belt widths are available in steps of 33.5 mm (1.32 in.)

2576	101.4	56672	12740	28336	6370	17002	3822	26.0	17.49	17.8	11.95	18.8	12.64	18	18	9
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Additional standard belt widths are available in steps of 151.5 mm (5.96 in.) Additional non-standard belt widths are available in steps of 33.5 mm (1.32 in.)

2879	113.3	63338	14238	31669	7119	19001	4272	29.1	19.54	19.9	13.35	21.0	14.12	20	20	10
------	-------	-------	-------	-------	------	-------	------	------	-------	------	-------	------	-------	----	----	----

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.

*Max. Load per Drive Sprocket. Belt material: POM 2500 N (562 lbf), PP 1200 N (270 lbf), PE 500 N (270 lbf)

**Max. Spacing between wear strips, Carry: 152 mm (6 in.); Return: 304 mm (12 in.)



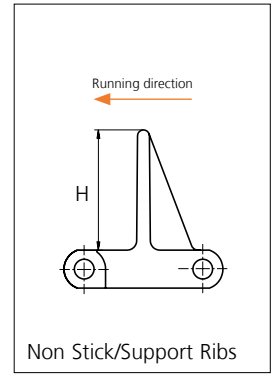
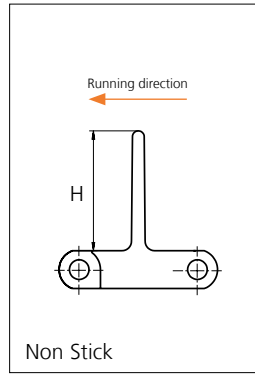
NON STANDARD

STRAIGHT RUNNING

PITCH 50.0 MM/1.97 IN

Accessories

Flight

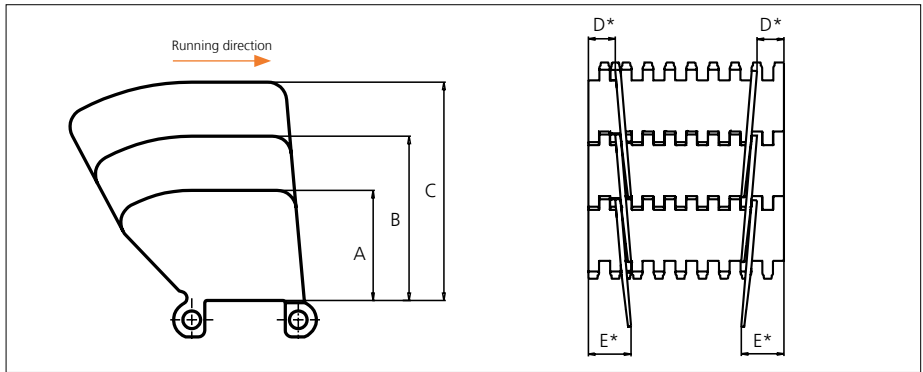


Type	Recommended Material & color	H		Link size	Width		Indent	
		mm	in		mm	in	mm	in
Non Stick	PP-HW B	50.8	2.00	K600	151.0	5.94	0.0	0.00
Non Stick/ Support Ribs		76.2	3.00					
		101.6	4.00					

Non Standard material and color: See uni Material and Color Overview.

Accessories

Side Guard



Type	Recommended Material & color	A		B		C		D*		E*	
		mm	in	mm	in	mm	in	mm	in	mm	in
Closed	PP-HW B	51.8	2.04	77.2	3.04	102.6	4.04	21.0	0.83	34.0	1.34

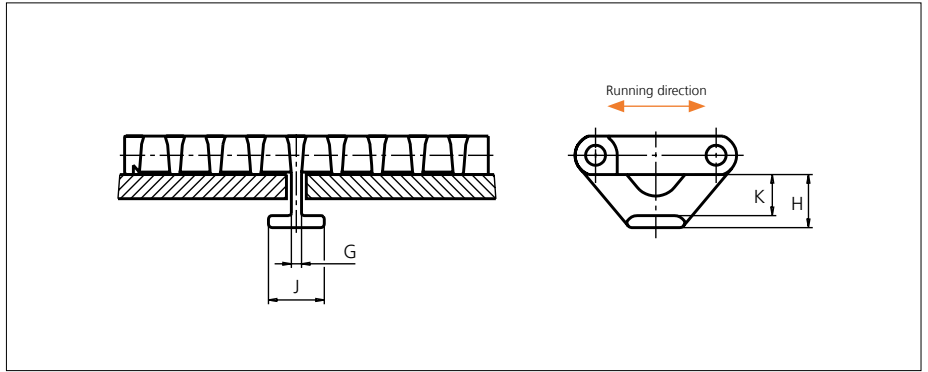
* Min. indent Increment : 8.4 mm (0.33 in)

Note: Backflex radius when side guards are used: 200.0 mm (7.90 in)

Non Standard material and color: See uni Material and Color Overview.

Accessories

Tab



Type	Recommended material & color	G		H		J		K	
		mm	in	mm	in	mm	in	mm	in
Bottom Hold Down	POM-D W	4.2	0.17	22.0	0.87	23.2	0.92	17.0	0.67
	POM-LF B								
	POM-D W								

Non Standard material and color: See uni Material and Color Overview.

Sprocket

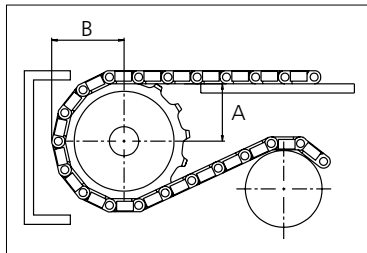
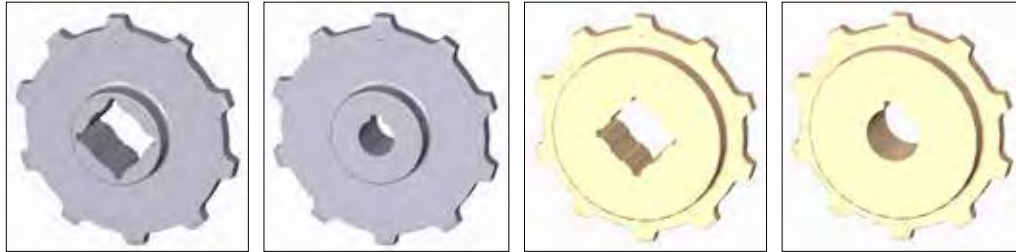
No of teeth	Pilot Bore	Bore size											Overall diameter		Pitch-diameter		Hub-diameter		A-dimension		B-dimension		Single row/Two way	Double row/Two way	Molded PA6 LG	Machined PA6 N
		in	0.75	0.78	0.98	1.00	1.18	1.25	1.50	1.57	2.36	2.50														
		mm	19.1	20.0	25.0	25.4	30.0	31.8	38.1	40.0	60.0	63.5	90.0													
Z06	x				●	●	●	■	■				94.5	3.72	100.3	3.95	65	2.56	35.5	1.40	58.6	2.31	x		x	
Z08	x				●	●	●	■	■				129	5.08	131.1	5.16	65	2.56	52.6	2.07	74	2.91	x		x	
Z10	x					●	●	■	■				160.1	6.30	162.4	6.39	65	2.56	69.2	2.72	89.7	3.53	x		x	
Z12	x					●	●	■	■				191.5	7.54	193.9	7.63	65	2.56	85.7	3.37	105.5	4.15	x		x	
Z13	x					●		■	■				207.3	8.16	209.7	8.26	72	2.83	93.8	3.69	113.4	4.46	x		x	
Z13													207.3	8.16	209.7	8.26	150	5.91	93.8	3.69	113.4	4.46	x			x
Z16	x					●		■	■				254.8	10.03	257.3	10.13	200	7.87	118.2	4.65	137.1	5.40	x			x

■ Molded sprocket

● Molded sprocket

■ Machined sprocket

● Machined sprocket



Non standard material and color: See uni Material and Color Overview.

Other sprocket sizes are available upon request.
 Two-part sprocket are available upon request.
 Round bores are always delivered with keyway.
 Other bore sizes are available upon request.
 uni Retainer Rings: See uni Retainer Ring data sheet
 Width of tooth = 11.0 mm (0.43 in)
 Width of sprocket = 42.3 mm (1.67 in)

Max load per sprocket shown does not take bore size into account.
 Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni OPB.
 For more detailed sprocket information, contact Customer Service.

uni OPB 8 20%/1301



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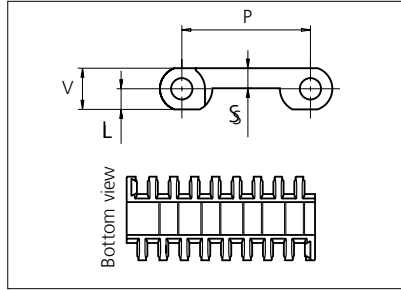
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Plastic Modular Belt

Series **uni OPB 8** Type **25%**



Straight running belt
 Nominal pitch: 50.0 mm (1.97 in)
 Surface type: Flat
 Surface opening: 25%
 Backflex radius: 75.0 mm (3.00 in)
 Pin diameter: \varnothing 8 mm (1.97 in)

*uni-chains recommends this travel direction. However, travel in both directions is possible.

Recommended belt material & color	POM-D W		mm	in		mm	in
		P (Nominal)	50.0	1.97	V	16.0	0.63
Recommended pin and lock material & color	PP W						
		L	8.0	0.31	S	7.8	0.31

Non standard material and color: See uni Material and Color Overview.

Alternative materials: Belt: POM-LF, POM-SLF, PP, PE, PA6.6 and PA6.6H Rodlock: PP **W** Endlock: PP **W** **G** **B** and PE **W** **B**
 Lockpin: PE **W** PA6.6 **N** PP **W** Pin: PP **W** PE **W** SS304 and SS316

Belt width		Permissible tensile force (Belt/pin material)						Belt weight (Belt/pin material)						*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-D/PA6.6		PP/PA6.6		PE/PA6.6		POM-D/PA6.6		PP/PA6.6		PE/PA6.6			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft	kg/m	lb/ft			
152	6.0	3344	752	1672	376	1003	226	1.5	1.03	1.0	0.70	1.1	0.75	2	2	2
303	11.9	6666	1499	3333	749	2000	450	3.1	2.06	2.1	1.41	2.2	1.49	3	3	2
455	17.9	10010	2250	5005	1125	3003	675	4.6	3.09	3.1	2.11	3.3	2.23	4	4	2
606	23.9	13332	2997	6666	1499	4000	899	6.1	4.11	4.2	2.81	4.4	2.97	5	5	3
758	29.8	16676	3749	8338	1874	5003	1125	7.7	5.15	5.2	3.51	5.5	3.72	6	6	3
909	35.8	19998	4496	9999	2248	5999	1349	9.2	6.17	6.3	4.22	6.6	4.46	7	7	4
1061	41.8	23342	5247	11671	2624	7003	1574	10.7	7.20	7.3	4.92	7.7	5.21	8	8	4
1212	47.7	26664	5994	13332	2997	7999	1798	12.2	8.23	8.4	5.62	8.8	5.95	9	9	5
1364	53.7	30008	6746	15004	3373	9002	2024	13.8	9.26	9.4	6.33	10.0	6.69	10	10	5
1515	59.6	33330	7493	16665	3746	9999	2248	15.3	10.28	10.5	7.03	11.1	7.43	11	11	6
1667	65.6	36674	8244	18337	4122	11002	2473	16.8	11.32	11.5	7.73	12.2	8.18	12	12	6
1818	71.6	39996	8991	19998	4496	11999	2697	18.4	12.34	12.5	8.43	13.3	8.92	13	13	7
1970	77.6	43340	9743	21670	4871	13002	2923	19.9	13.37	13.6	9.14	14.4	9.66	14	14	7

Additional standard belt widths are available in steps of 151.5 mm (5.96 in.) Additional non-standard belt widths are available in steps of 33.5 mm (1.32 in.)

2576	101.4	56672	12740	28336	6370	17002	3822	26.0	17.49	17.8	11.95	18.8	12.64	18	18	9
------	-------	-------	-------	-------	------	-------	------	------	-------	------	-------	------	-------	----	----	---

Additional standard belt widths are available in steps of 151.5 mm (5.96 in.) Additional non-standard belt widths are available in steps of 33.5 mm (1.32 in.)

2879	113.3	63338	14238	31669	7119	19001	4272	29.1	19.54	19.9	13.35	21.0	14.12	20	20	10
------	-------	-------	-------	-------	------	-------	------	------	-------	------	-------	------	-------	----	----	----

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.

*Max. Load per Drive Sprocket. Belt material: POM 2500 N (562 lbf), PP 1200 N (270 lbf), PE 500 N (270 lbf)

**Max. Spacing between wear strips, Carry: 152 mm (6 in.); Return: 304 mm (12 in.)



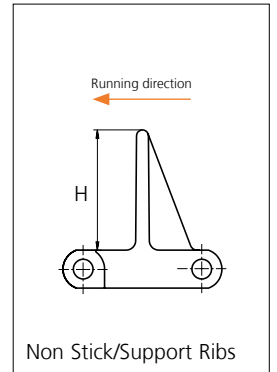
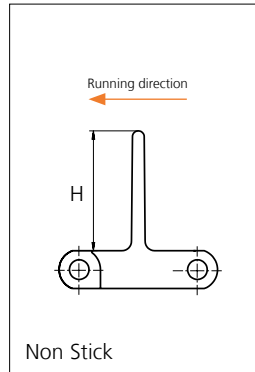
NON STANDARD

STRAIGHT RUNNING

PITCH 50.0 MM/1.97 IN

Accessories

Flight

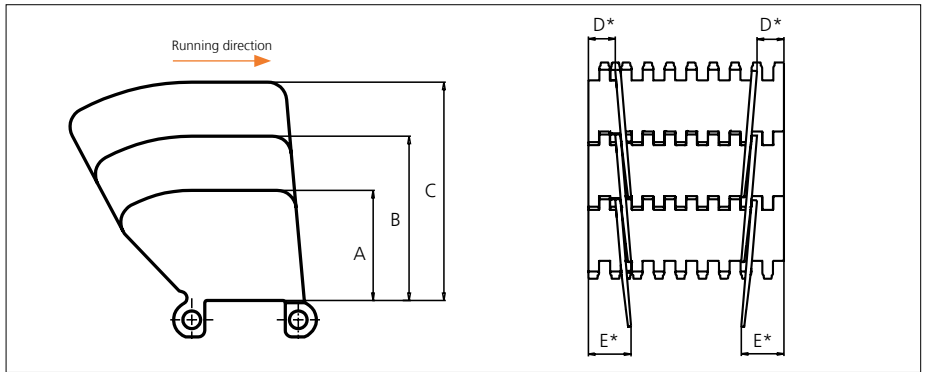


Type	Recommended Material & color	H		Link size	Width		Indent	
		mm	in		mm	in	mm	in
Non Stick	PP-HW B	50.8	2.00	K600	151.0	5.94	0.0	0.00
Non Stick/ Support Ribs		76.2	3.00					
		101.6	4.00					

Non Standard material and color: See uni Material and Color Overview.

Accessories

Side Guard



Type	Recommended Material & color	A		B		C		D*		E*	
		mm	in	mm	in	mm	in	mm	in	mm	in
Closed	PP-HW B	51.8	2.04	77.2	3.04	102.6	4.04	21.0	0.83	34.0	1.34

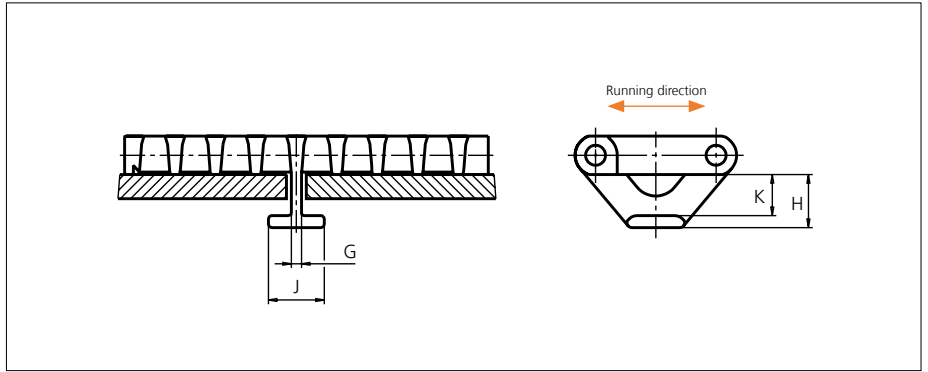
* Min. indent Increment : 8.4 mm (0.33 in)

Note: Backflex radius when side guards are used: 200.0 mm (7.90 in)

Non Standard material and color: See uni Material and Color Overview.

Accessories

Tab



Type	Recommended material & color	G		H		J		K	
		mm	in	mm	in	mm	in	mm	in
Bottom Hold Down	POM-D W	4.2	0.17	22.0	0.87	23.2	0.92	17.0	0.67
	POM-LF B								
	PP W								

Non Standard material and color: See uni Material and Color Overview.

Sprocket

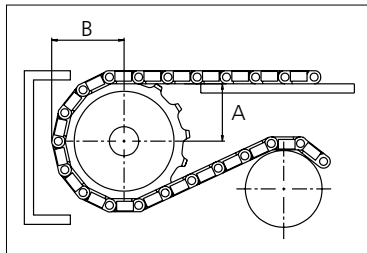
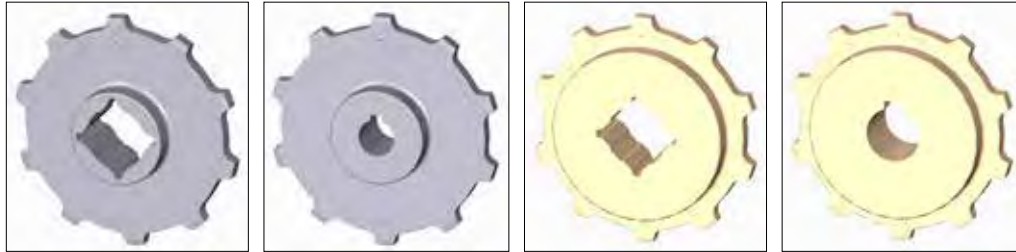
No of teeth	Bore size													Overall diameter		Pitch diameter		Hub diameter		A-dimension		B-dimension		Single row/Two way	Double row/Two way	Molded PA6 LG	Machined PA6 N
	Pilot Bore	in	0.75	0.78	0.98	1.00	1.18	1.25	1.50	1.57	2.36	2.50	3.54														
	mm	19.1	20.0	25.0	25.4	30.0	31.8	38.1	40.0	60.0	63.5	90.0	mm	in	mm	in	mm	in	mm	in							
Z06	x				●	●	●	■	■				94.5	3.72	100.3	3.95	65	2.56	35.5	1.40	58.6	2.31	x		x		
Z08	x				●	●	●	■	■				129	5.08	131.1	5.16	65	2.56	52.6	2.07	74	2.91	x		x		
Z10	x					●	●	■	■				160.1	6.30	162.4	6.39	65	2.56	69.2	2.72	89.7	3.53	x		x		
Z12	x					●	●	■	■				191.5	7.54	193.9	7.63	65	2.56	85.7	3.37	105.5	4.15	x		x		
Z13	x					●		■	■				207.3	8.16	209.7	8.26	72	2.83	93.8	3.69	113.4	4.46	x		x		
Z13											■		207.3	8.16	209.7	8.26	150	5.91	93.8	3.69	113.4	4.46	x			x	
Z16	x					●		■	■		■		254.8	10.03	257.3	10.13	200	7.87	118.2	4.65	137.1	5.40	x			x	

■ Molded sprocket

● Molded sprocket

■ Machined sprocket

● Machined sprocket



Non standard material and color: See uni Material and Color Overview.

Other sprocket sizes are available upon request.
 Two-part sprocket are available upon request.
 Round bores are always delivered with keyway.
 Other bore sizes are available upon request.
 uni Retainer Rings: See uni Retainer Ring data sheet
 Width of tooth = 11.0 mm (0.43 in)
 Width of sprocket = 42.3 mm (1.67 in)

Max load per sprocket shown does not take bore size into account.
 Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni OPB.
 For more detailed sprocket information, contact Customer Service.

uni OPB 8 25%/1301



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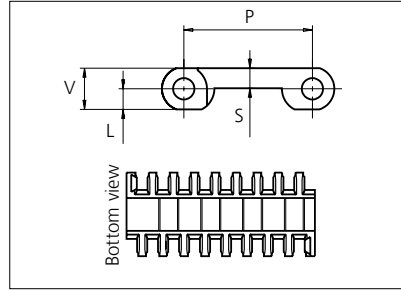
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Plastic Modular Belt

Series **uni OPB 8** Type **C**



Straight running belt
 Nominal pitch: 50.0 mm (1.97 in)
 Surface type: Flat
 Surface opening: Closed
 Backflex radius: 75.0 mm (3.00 in)
 Pin diameter: \varnothing 8 mm (1.97 in)

*uni-chains recommends this travel direction. However, travel in both directions is possible.

Recommended belt material & color	POM-D W		mm	in		mm	in
		P (Nominal)	50.0	1.97	V	16.0	0.63
Recommended pin and lock material & color	PP W						
		L	8.0	0.31	S	7.8	0.31

Non standard material and color: See uni Material and Color Overview.

Alternative materials: Belt: POM-LF, POM-SLF, PP, PE, PA6.6 and PA6.6H

Rodlock: PP **W**

Endlock: PP **W** **G** **B** and PE **W** **B**

Lockpin: PE **W** PA6.6 **N** PP **W**

Pin: PP **W** PE **W** SS304 and SS316

Belt width		Permissible tensile force (Belt/pin material)						Belt weight (Belt/pin material)						*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-D/PA6.6		PP/PA6.6		PE/PA6.6		POM-D/PA6.6		PP/PA6.6		PE/PA6.6			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft	kg/m	lb/ft			
152	6.0	3344	752	1672	376	1003	226	1.7	1.14	1.1	0.77	1.2	0.83	2	2	2
303	11.9	6666	1499	3333	749	2000	450	3.4	2.28	2.3	1.53	2.5	1.65	3	3	2
455	17.9	10010	2250	5005	1125	3003	675	5.1	3.42	3.4	2.29	3.7	2.48	4	4	2
606	23.9	13332	2997	6666	1499	4000	899	6.8	4.56	4.5	3.05	4.9	3.30	5	5	3
758	29.8	16676	3749	8338	1874	5003	1125	8.5	5.71	5.7	3.82	6.1	4.13	6	6	3
909	35.8	19998	4496	9999	2248	5999	1349	10.2	6.84	6.8	4.58	7.4	4.95	7	7	4
1061	41.8	23342	5247	11671	2624	7003	1574	11.9	7.99	8.0	5.35	8.6	5.78	8	8	4
1212	47.7	26664	5994	13332	2997	7999	1798	13.6	9.12	9.1	6.11	9.8	6.60	9	9	5
1364	53.7	30008	6746	15004	3373	9002	2024	15.3	10.27	10.2	6.88	11.0	7.43	10	10	5
1515	59.6	33330	7493	16665	3746	9999	2248	17.0	11.40	11.4	7.64	12.3	8.25	11	11	6
1667	65.6	36674	8244	18337	4122	11002	2473	18.7	12.55	12.5	8.40	13.5	9.07	12	12	6
1818	71.6	39996	8991	19998	4496	11999	2697	20.4	13.68	13.6	9.16	14.7	9.90	13	13	7
1970	77.6	43340	9743	21670	4871	13002	2923	22.1	14.83	14.8	9.93	16.0	10.72	14	14	7

Additional standard belt widths are available in steps of 151.5 mm (5.96 in.) Additional non-standard belt widths are available in steps of 33.5 mm (1.32 in.)

2576	101.4	56672	12740	28336	6370	17002	3822	28.9	19.39	19.3	12.98	20.9	14.02	18	18	9
------	-------	-------	-------	-------	------	-------	------	------	-------	------	-------	------	-------	----	----	---

Additional standard belt widths are available in steps of 151.5 mm (5.96 in.) Additional non-standard belt widths are available in steps of 33.5 mm (1.32 in.)

2879	113.3	63338	14238	31669	7119	19001	4272	32.2	21.67	21.6	14.51	23.3	15.67	20	20	10
------	-------	-------	-------	-------	------	-------	------	------	-------	------	-------	------	-------	----	----	----

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.

*Max. Load per Drive Sprocket. Belt material: POM 2500 N (562 lbf), PP 1200 N (270 lbf), PE 500 N (270 lbf)

**Max. Spacing between wear strips, Carry: 152 mm (6 in.); Return: 304 mm (12 in.)



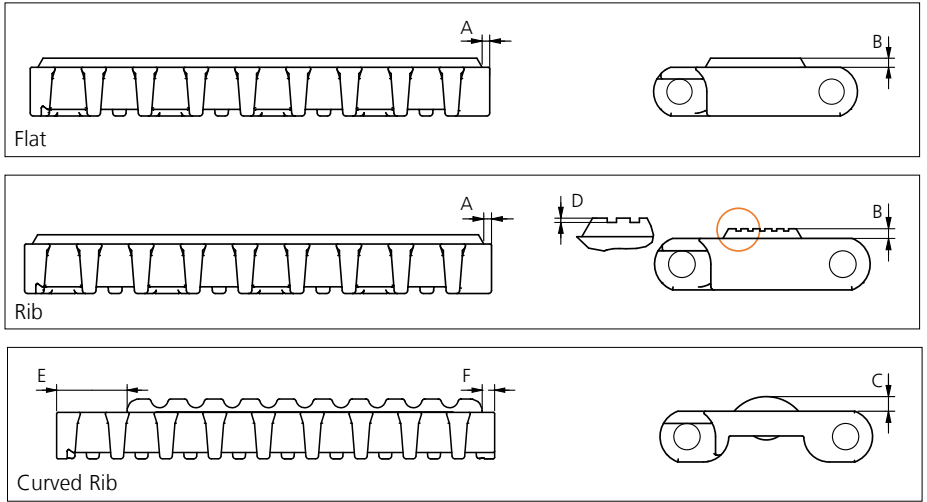
NON STANDARD

STRAIGHT RUNNING

PITCH 50.0 MM/1.97 IN

Accessories

Rubber Top

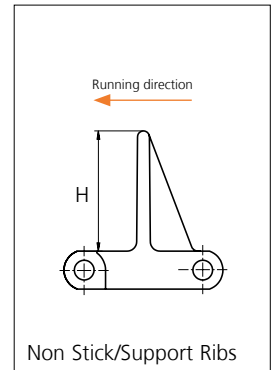
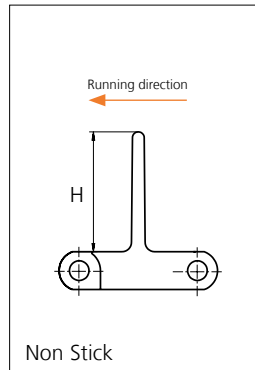


Type	Belt Material & color	Rubber Material & color	A		B		C		D		E		F		Link size	Width	
			mm	in	mm	in	mm	in	mm	in	mm	in	mm	in		mm	in
Flat	POM-LF BR	03 N													K600	150.5	5.93
Rib	POM-D W		2.5	0.10	3.0	0.12	4.5	0.18	0.7	0.03	24.0	0.94	4.0	0.16			
Curved Rib	POM-D W	03 K															

Other Non Standard Rubber profiles: See uni Rubber Profile Overview.

Accessories

Flight

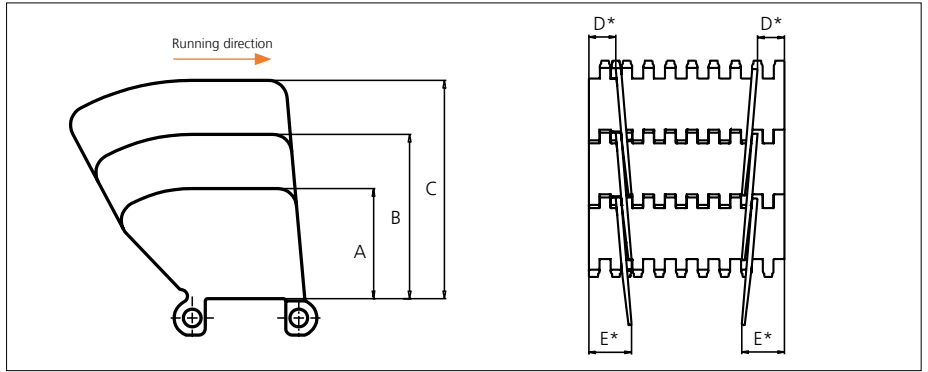


Type	Recommended Material & color	H		Link size	Width		Indent	
		mm	in		mm	in	mm	in
Non Stick	PP-HW B	50.8	2.00	K600	151.0	5.94	0.0	0.00
Non Stick/ Support Ribs		76.2	3.00					
		101.6	4.00					

Non Standard material and color: See uni Material and Color Overview.

Accessories

Side Guard



Type	Recommended Material & color	A		B		C		D*		E*	
		mm	in	mm	in	mm	in	mm	in	mm	in
Closed	PP-HW B	51.8	2.04	77.2	3.04	102.6	4.04	21.0	0.83	34.0	1.34

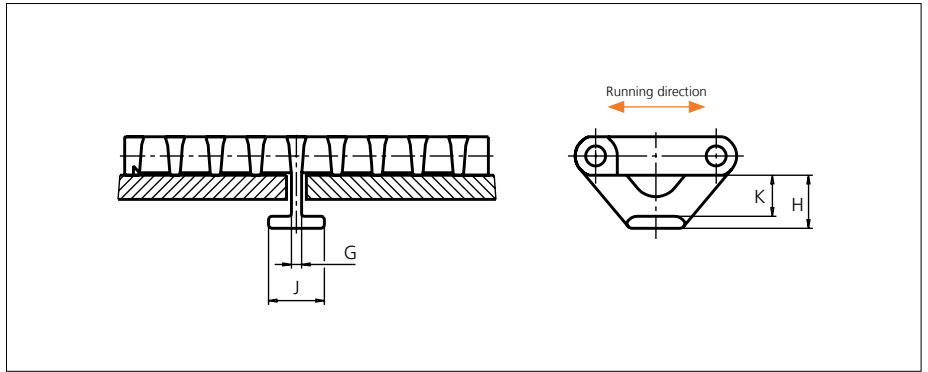
* Min. indent Increment : 8.4 mm (0.33 in)

Note: Backflex radius when side guard are used: 200.0 mm (7.90 in)

Non Standard material and color: See uni Material and Color Overview.

Accessories

Tab

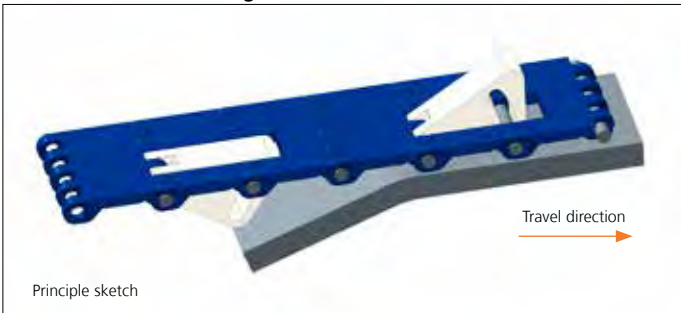


Type	Recommended material & color	G		H		J		K	
		mm	in	mm	in	mm	in	mm	in
Bottom Hold Down	POM-D W	4.2	0.17	22.0	0.87	23.2	0.92	17.0	0.67
	POM-LF B								
	PP W								

Non Standard material and color: See uni Material and Color Overview.

Accessories

Non Standard uni AmFlight



Other Non Standard option: See uni AmFlight Overview.

Sprocket

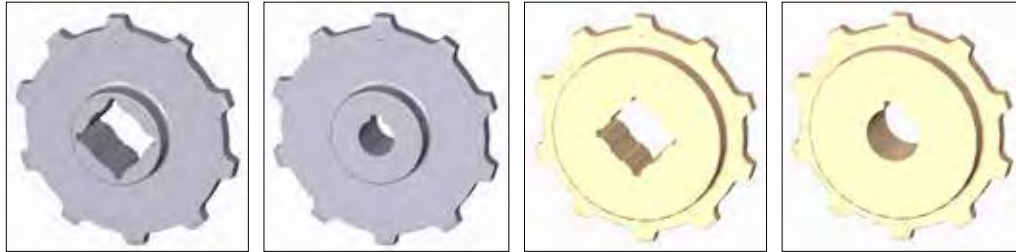
No of teeth	Bore size													Overall diameter		Pitch diameter		Hub diameter		A-dimension		B-dimension		Single row/Two way	Double row/Two way	Molded PA6 LG	Machined PA6 N
	Pilot Bore	in	0.75	0.78	0.98	1.00	1.18	1.25	1.50	1.57	2.36	2.50	3.54														
	mm	19.1	20.0	25.0	25.4	30.0	31.8	38.1	40.0	60.0	63.5	90.0	mm	in	mm	in	mm	in	mm	in							
Z06	x				●	●	●	■	■				94.5	3.72	100.3	3.95	65	2.56	35.5	1.40	58.6	2.31	x		x		
Z08	x				●	●	●	■	■				129	5.08	131.1	5.16	65	2.56	52.6	2.07	74	2.91	x		x		
Z10	x					●	●	■	■				160.1	6.30	162.4	6.39	65	2.56	69.2	2.72	89.7	3.53	x		x		
Z12	x					●	●	■	■				191.5	7.54	193.9	7.63	65	2.56	85.7	3.37	105.5	4.15	x		x		
Z13	x					●		■	■				207.3	8.16	209.7	8.26	72	2.83	93.8	3.69	113.4	4.46	x		x		
Z13											■		207.3	8.16	209.7	8.26	150	5.91	93.8	3.69	113.4	4.46	x			x	
Z16	x					●		■	■		■		254.8	10.03	257.3	10.13	200	7.87	118.2	4.65	137.1	5.40	x			x	

■ Molded sprocket

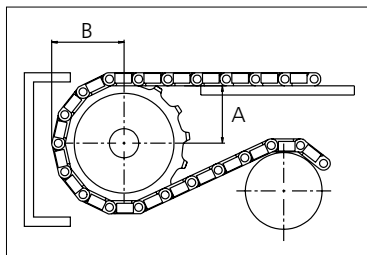
● Molded sprocket

■ Machined sprocket

● Machined sprocket



Non standard material and color: See uni Material and Color Overview.



Other sprocket sizes are available upon request.
 Two-part sprocket are available upon request.
 Round bores are always delivered with keyway.
 Other bore sizes are available upon request.
 uni Retainer Rings: See uni Retainer Ring data sheet
 Width of tooth = 11.0 mm (0.43 in)
 Width of sprocket = 42.3 mm (1.67 in)

Max load per sprocket shown does not take bore size into account.
 Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni OPB.
 For more detailed sprocket information, contact Customer Service.

uni OPB 8 C/1301



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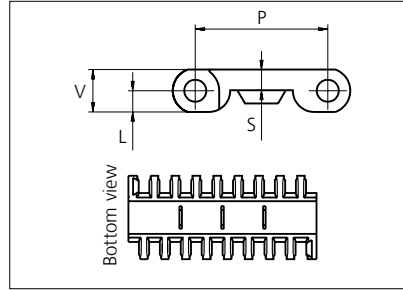
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Plastic Modular Belt

Series **uni OPB 8M** Type **C**



Straight running belt
 Nominal pitch: 50.0 mm (1.97 in)
 Surface type: Flat
 Surface opening: Closed
 Backflex radius: 75.0 mm (3.00 in)
 Pin diameter: ø8 mm (1.97 in)

*uni-chains recommends this travel direction. However, travel in both directions is possible.

Recommended belt material & color	POM-D W		mm	in		mm	in
		P (Nominal)	50.0	1.97	V	16.0	0.63
Recommended pin and lock material & color	PP W						
		L	8.0	0.31	S	7.8	0.31

Non standard material and color: See uni Material and Color Overview.

Alternative materials: Belt: POM-LF, POM-SLF, PP, PE, PA6.6 and PA6.6H

Rodlock: PP **W**

Endlock: PP **W** **G** **B** and PE **W** **B**

Lockpin: PE **W** PA6.6 **N** PP **W**

Pin: PP **W** PE **W** SS304 and SS316

Belt width		Permissible tensile force (Belt/pin material)						Belt weight (Belt/pin material)						*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-D/PA6.6		PP/PA6.6		PE/PA6.6		POM-D/PA6.6		PP/PA6.6		PE/PA6.6			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft	kg/m	lb/ft			
152	6.0	3344	752	1672	376	1003	226	1.8	1.20	1.1	0.77	1.2	0.83	2	2	2
303	11.9	6666	1499	3333	749	2000	450	3.5	2.38	2.3	1.53	2.5	1.65	3	3	2
455	17.9	10010	2250	5005	1125	3003	675	5.3	3.58	3.4	2.29	3.7	2.48	4	4	2
606	23.9	13332	2997	6666	1499	4000	899	7.1	4.76	4.5	3.05	4.9	3.30	5	5	3
758	29.8	16676	3749	8338	1874	5003	1125	8.9	5.96	5.7	3.82	6.1	4.13	6	6	3
909	35.8	19998	4496	9999	2248	5999	1349	10.6	7.15	6.8	4.58	7.4	4.95	7	7	4
1061	41.8	23342	5247	11671	2624	7003	1574	12.4	8.34	8.0	5.35	8.6	5.78	8	8	4
1212	47.7	26664	5994	13332	2997	7999	1798	14.2	9.53	9.1	6.11	9.8	6.60	9	9	5
1364	53.7	30008	6746	15004	3373	9002	2024	16.0	10.73	10.2	6.88	11.0	7.43	10	10	5
1515	59.6	33330	7493	16665	3746	9999	2248	17.7	11.91	11.4	7.64	12.3	8.25	11	11	6
1667	65.6	36674	8244	18337	4122	11002	2473	19.5	13.11	12.5	8.40	13.5	9.07	12	12	6
1818	71.6	39996	8991	19998	4496	11999	2697	21.3	14.29	13.6	9.16	14.7	9.90	13	13	7
1970	77.6	43340	9743	21670	4871	13002	2923	23.0	15.49	14.8	9.93	16.0	10.72	14	14	7

Additional standard belt widths are available in steps of 151.5 mm (5.96 in.) Additional non-standard belt widths are available in steps of 33.5 mm (1.32 in.)

2576	101.4	56672	12740	28336	6370	17002	3822	30.1	20.26	19.3	12.98	20.9	14.02	18	18	9
------	-------	-------	-------	-------	------	-------	------	------	-------	------	-------	------	-------	----	----	---

Additional standard belt widths are available in steps of 151.5 mm (5.96 in.) Additional non-standard belt widths are available in steps of 33.5 mm (1.32 in.)

2879	113.3	63338	14238	31669	7119	19001	4272	33.7	22.64	21.6	14.51	23.3	15.67	20	20	10
------	-------	-------	-------	-------	------	-------	------	------	-------	------	-------	------	-------	----	----	----

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.

*Max. Load per Drive Sprocket. Belt material: POM 2500 N (562 lbf), PP 1200 N (270 lbf), PE 500 N (270 lbf)

**Max. Spacing between wear strips, Carry: 152 mm (6 in.); Return: 304 mm (12 in.)



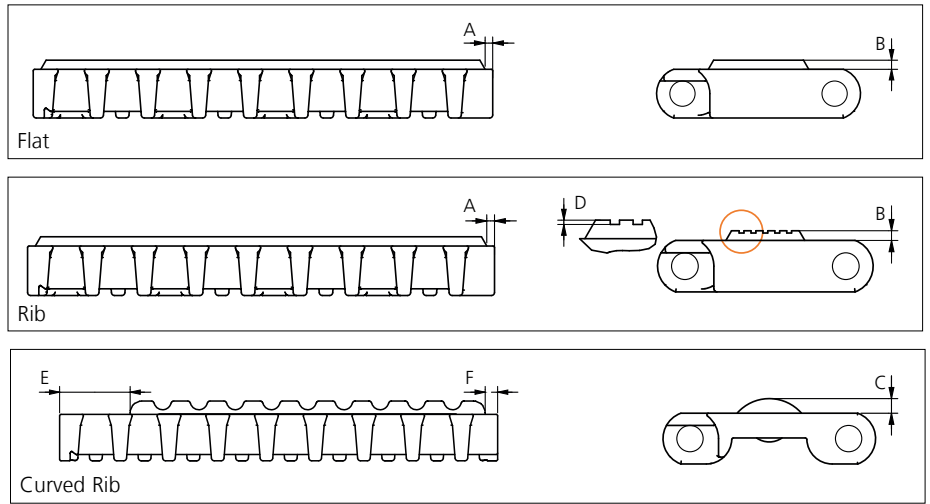
NON STANDARD

STRAIGHT RUNNING

PITCH 50.0 MM/1.97 IN

Accessories

Rubber Top

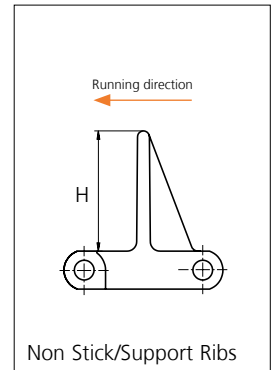
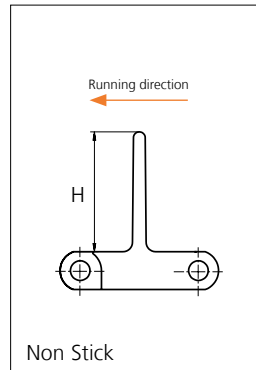


Type	Belt Material & color	Rubber Material & color	A		B		C		D		E		F		Link size	Width	
			mm	in	mm	in	mm	in	mm	in	mm	in	mm	in		mm	in
Flat	POM-LF BR	03 N															
Rib	POM-D W		2.5	0.10	3.0	0.12	4.5	0.18	0.7	0.03	24.0	0.94	4.0	0.16	K600	150.5	5.93
Curved Rib	POM-D W	03 K															

Other Non Standard Rubber profiles: See uni Rubber Profile Overview.

Accessories

Flight

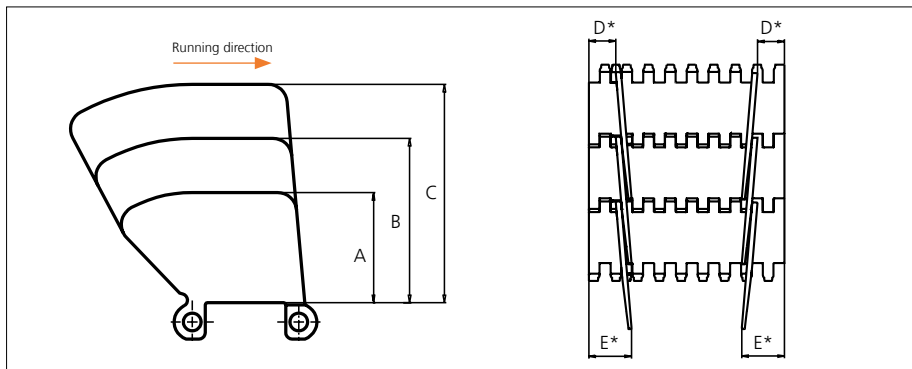


Type	Recommended Material & color	H		Link size	Width		Indent	
		mm	in		mm	in	mm	in
Non Stick	PP-HW B	50.8	2.00	K600	151.0	5.94	0.0	0.00
Non Stick/ Support Ribs		76.2	3.00					
		101.6	4.00					

Non Standard material and color: See uni Material and Color Overview.

Accessories

Side Guard



Type	Recommended Material & color	A		B		C		D*		E*	
		mm	in	mm	in	mm	in	mm	in	mm	in
Closed	PP-HW B	51.8	2.04	77.2	3.04	102.6	4.04	21.0	0.83	34.0	1.34

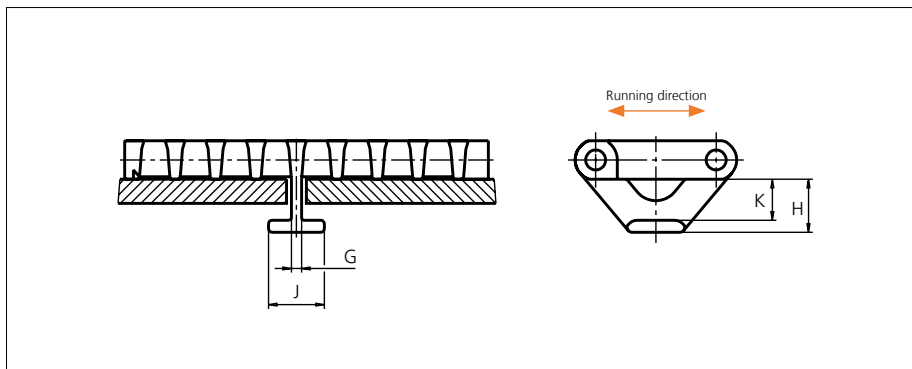
* Min. indent Increment : 8.4 mm (0.33 in)

Note: Backflex radius when side guard are used: 200.0 mm (7.90 in)

Non Standard material and color: See uni Material and Color Overview.

Accessories

Tab

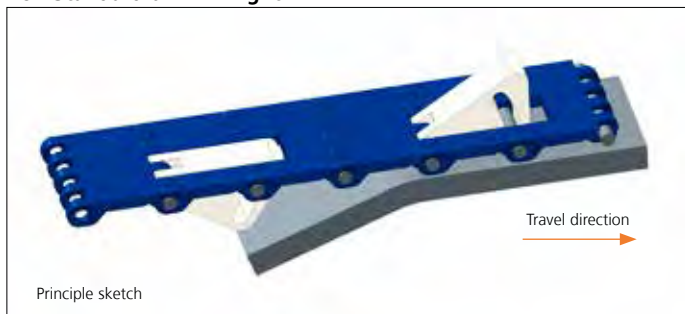


Type	Recommended Material & color	G		H		J		K	
		mm	in	mm	in	mm	in	mm	in
Bottom Hold Down	POM-D W	4.2	0.17	22.0	0.87	23.2	0.92	17.0	0.67
	POM-LF B								
	PP W								

Non Standard material and color: See uni Material and Color Overview.

Accessories

Non Standard uni AmFlight



Other Non Standard option: See uni AmFlight Overview.

Sprocket

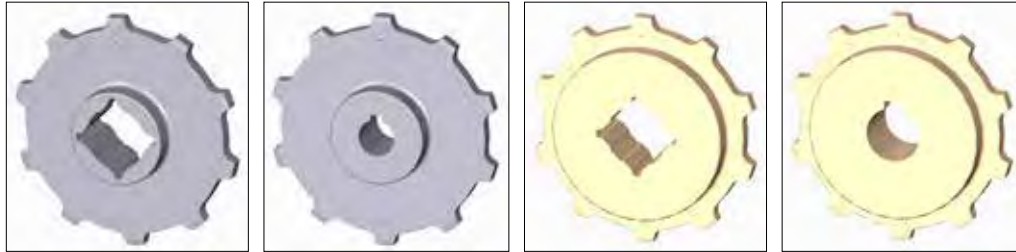
No of teeth	Bore size													Overall diameter		Pitch diameter		Hub diameter		A-dimension		B-dimension		Single row/Two way	Double row/Two way	Molded PA6 LG	Machined PA6 N
	Pilot Bore	in	0.75	0.78	0.98	1.00	1.18	1.25	1.50	1.57	2.36	2.50	3.54														
	mm	19.1	20.0	25.0	25.4	30.0	31.8	38.1	40.0	60.0	63.5	90.0	mm	in	mm	in	mm	in	mm	in							
Z06	x				●	●	●	■	■				89.1	3.51	100.3	3.95	65	2.56	35.5	1.40	58.6	2.31	x		x		
Z08	x				●	●	●	■	■				120.9	4.76	131.1	5.16	65	2.56	52.6	2.07	74	2.91	x		x		
Z10	x					●	●	■	■				153.0	6.02	162.4	6.39	65	2.56	69.2	2.72	89.7	3.53	x		x		
Z12	x					●	●	■	■				185.5	7.30	193.9	7.63	65	2.56	85.7	3.37	105.5	4.15	x		x		
Z13	x					●		■	■				201.0	7.91	209.7	8.26	72	2.83	93.8	3.69	113.4	4.46	x		x		
Z13													201.0	7.91	209.7	8.26	150	5.91	93.8	3.69	113.4	4.46	x			x	
Z16	x					●		■	■				250.8	9.87	257.3	10.13	200	7.87	118.2	4.65	137.1	5.40	x			x	

■ Molded sprocket

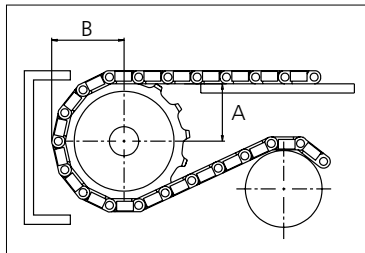
● Molded sprocket

■ Machined sprocket

● Machined sprocket



Non standard material and color: See uni Material and Color Overview.



Other sprocket sizes are available upon request.
 Two-part sprocket are available upon request.
 Round bores are always delivered with keyway.
 Other bore sizes are available upon request.
 uni Retainer Rings: See uni Retainer Ring data sheet
 Width of tooth = 11.0 mm (0.43 in)
 Width of sprocket = 42.3 mm (1.67 in)

Max load per sprocket shown does not take bore size into account.
 Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni OPB.
 For more detailed sprocket information, contact Customer Service.

uni OPB 8M C/1301



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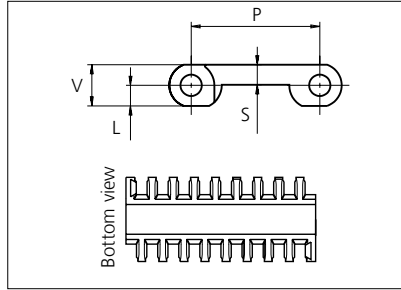
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Plastic Modular Belt

Series **uni OPB 8P** Type **C**



Straight running belt
 Nominal pitch: 50.0 mm (1.97 in)
 Surface type: Flat
 Surface opening: Closed
 Backflex radius: 75.0 mm (3.00 in)
 Pin diameter: \varnothing 8 mm (1.97 in)

*uni-chains recommends this travel direction. However, travel in both directions is possible.

Recommended belt material & color	POM-D W		mm	in		mm	in
		P (Nominal)	50.0	1.97	V	16.0	0.63
Recommended pin and lock material & color	PP W						
		L	8.0	0.31	S	7.8	0.31

Non standard material and color: See uni Material and Color Overview.

Alternative materials: Belt: POM-LF, POM-SLF, PP, PE, PA6.6 and PA6.6H Rodlock: PP **W** Endlock: PP **W G B** and PE **W B**
 Lockpin: PE **W** PA6.6 **N** PP **W** Pin: PP **W** PE **W** SS304 and SS316

Belt width		Permissible tensile force (Belt/pin material)						Belt weight (Belt/pin material)						*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-D/PA6.6		PP/PA6.6		PE/PA6.6		POM-D/PA6.6		PP/PA6.6		PE/PA6.6			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft	kg/m	lb/ft			
152	6.0	1672	376	836	188	502	113	1.8	1.20	1.1	0.77	1.2	0.83	2	2	2
303	11.9	3333	749	1667	375	1000	225	3.5	2.38	2.3	1.53	2.5	1.65	3	3	2
455	17.9	5005	1125	2503	563	1502	338	5.3	3.58	3.4	2.29	3.7	2.48	4	4	2
606	23.9	6666	1499	3333	749	2000	450	7.1	4.76	4.5	3.05	4.9	3.30	5	5	3
758	29.8	8338	1874	4169	937	2501	562	8.9	5.96	5.7	3.82	6.1	4.13	6	6	3
909	35.8	9999	2248	5000	1124	3000	674	10.6	7.15	6.8	4.58	7.4	4.95	7	7	4
1061	41.8	11671	2624	5836	1312	3501	787	12.4	8.34	8.0	5.35	8.6	5.78	8	8	4
1212	47.7	13332	2997	6666	1499	4000	899	14.2	9.53	9.1	6.11	9.8	6.60	9	9	5
1364	53.7	15004	3373	7502	1686	4501	1012	16.0	10.73	10.2	6.88	11.0	7.43	10	10	5
1515	59.6	16665	3746	8333	1873	5000	1124	17.7	11.91	11.4	7.64	12.3	8.25	11	11	6
1667	65.6	18337	4122	9169	2061	5501	1237	19.5	13.11	12.5	8.40	13.5	9.07	12	12	6
1818	71.6	19998	4496	9999	2248	5999	1349	21.3	14.29	13.6	9.16	14.7	9.90	13	13	7
1970	77.6	21670	4871	10835	2436	6501	1461	23.0	15.49	14.8	9.93	16.0	10.72	14	14	7

Additional standard belt widths are available in steps of 151.5 mm (5.96 in.) Additional non-standard belt widths are available in steps of 33.5 mm (1.32 in.)

2576	101.4	28336	6370	14168	3185	8501	1911	30.1	20.26	19.3	12.98	20.9	14.02	18	18	9
------	-------	-------	------	-------	------	------	------	------	-------	------	-------	------	-------	----	----	---

Additional standard belt widths are available in steps of 151.5 mm (5.96 in.) Additional non-standard belt widths are available in steps of 33.5 mm (1.32 in.)

2879	113.3	31669	7119	15835	3560	9501	2136	33.7	22.64	21.6	14.51	23.3	15.67	20	20	10
------	-------	-------	------	-------	------	------	------	------	-------	------	-------	------	-------	----	----	----

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.

*Max. Load per Drive Sprocket. Belt material: POM 2500 N (562 lbf), PP 1200 N (270 lbf), PE 500 N (270 lbf)

**Max. Spacing between wear strips, Carry: 152 mm (6 in.); Return: 304 mm (12 in.)



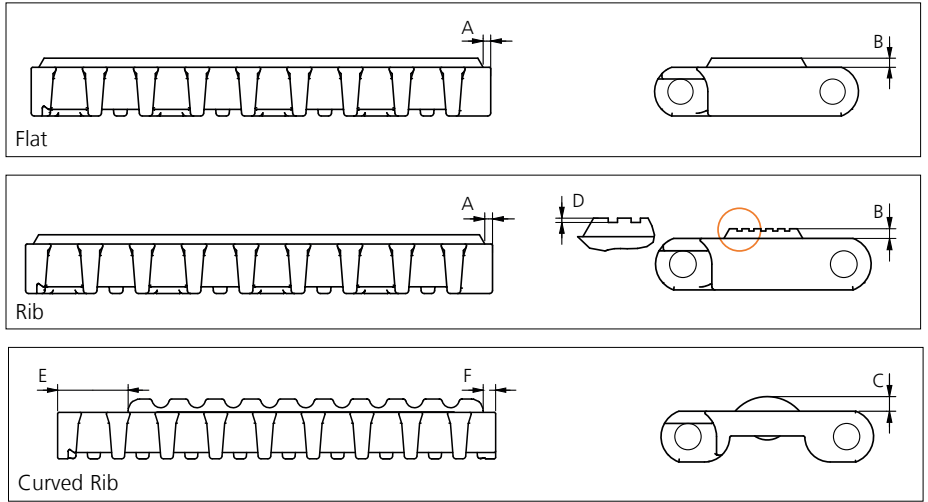
NON STANDARD

STRAIGHT RUNNING

PITCH 50.0 MM/1.97 IN

Accessories

Rubber Top

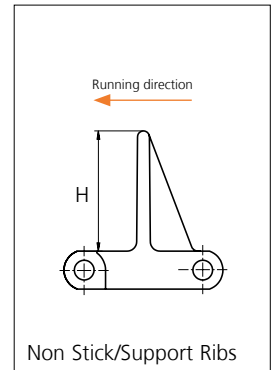
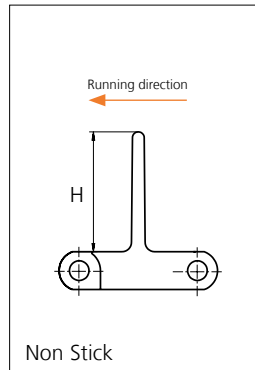


Type	Belt Material & color	Rubber Material & color	A		B		C		D		E		F		Link size	Width	
			mm	in	mm	in	mm	in	mm	in	mm	in	mm	in		mm	in
Flat	POM-LF BR	03 N															
Rib	POM-D W		2.5	0.10	3.0	0.12	4.5	0.18	0.7	0.03	24.0	0.94	4.0	0.16	K600	150.5	5.93
Curved Rib	POM-D W	03 K															

Other Non Standard Rubber profiles: See uni Rubber Profile Overview.

Accessories

Flight

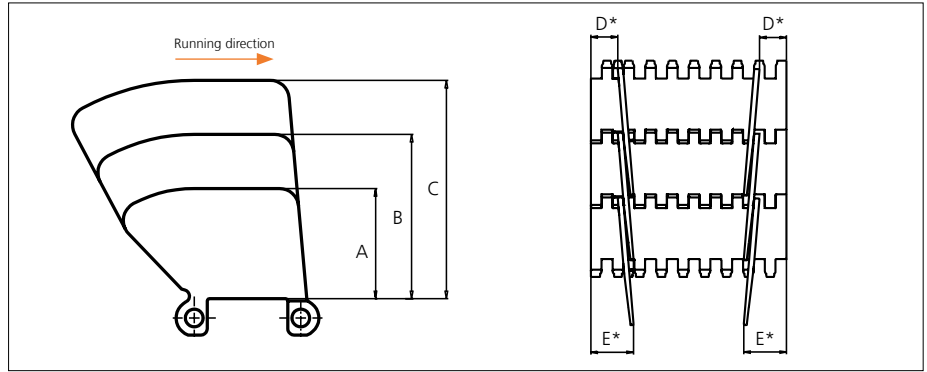


Type	Recommended Material & color	H		Link size	Width		Indent	
		mm	in		mm	in	mm	in
Non Stick	PP-HW B	50.8	2.00	K600	151.0	5.94	0.0	0.00
Non Stick/		76.2	3.00					
Support Ribs		101.6	4.00					

Non Standard material and color: See uni Material and Color Overview.

Accessories

Side Guard



Type	Recommended Material & color	A		B		C		D*		E*	
		mm	in	mm	in	mm	in	mm	in	mm	in
Closed	PP-HW B	51.8	2.04	77.2	3.04	102.6	4.04	21.0	0.83	34.0	1.34

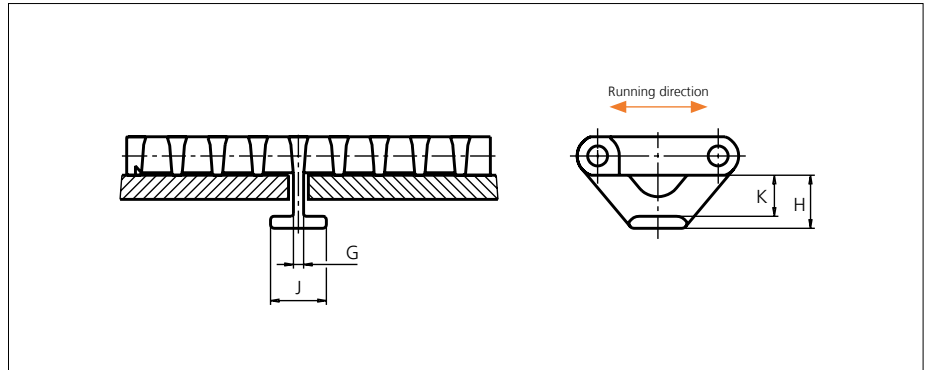
* Min. indent Increment : 8.4 mm (0.33 in)

Note: Backflex radius when side guard are used: 200.0 mm (7.90 in)

Non Standard material and color: See uni Material and Color Overview.

Accessories

Tab

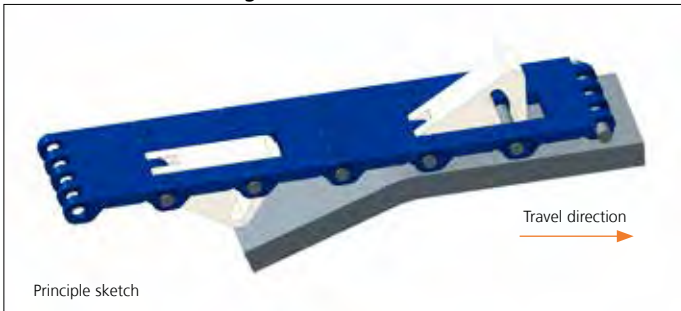


Type	Recommended Material & color	G		H		J		K	
		mm	in	mm	in	mm	in	mm	in
Bottom Hold Down	POM-D W	4.2	0.17	22.0	0.87	23.2	0.92	17.0	0.67
	POM-LF B								
	PP W								

Non Standard material and color: See uni Material and Color Overview.

Accessories

Non Standard uni AmFlight



Other Non Standard option: See uni AmFlight Overview.

Sprocket

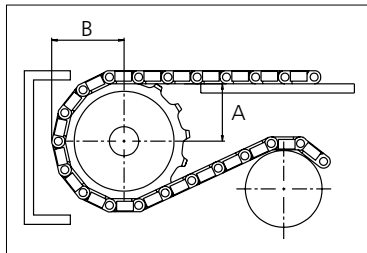
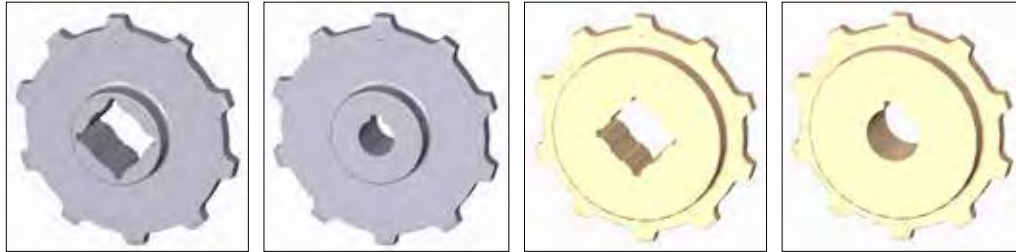
No of teeth	Bore size													Overall diameter		Pitch diameter		Hub diameter		A-dimension		B-dimension		Single row/Two way	Double row/Two way	Molded PA6 LG	Machined PA6 N
	Pilot Bore	in	0.75	0.78	0.98	1.00	1.18	1.25	1.50	1.57	2.36	2.50	3.54														
	mm	19.1	20.0	25.0	25.4	30.0	31.8	38.1	40.0	60.0	63.5	90.0	mm	in	mm	in	mm	in	mm	in							
Z06	x				●	●	●	■	■				89.1	3.51	100.3	3.95	65	2.56	35.5	1.40	58.6	2.31	x		x		
Z08	x				●	●	●	■	■				120.9	4.76	131.1	5.16	65	2.56	52.6	2.07	74	2.91	x		x		
Z10	x					●	●	■	■				153.0	6.02	162.4	6.39	65	2.56	69.2	2.72	89.7	3.53	x		x		
Z12	x					●	●	■	■				185.5	7.30	193.9	7.63	65	2.56	85.7	3.37	105.5	4.15	x		x		
Z13	x					●		■	■				201.0	7.91	209.7	8.26	72	2.83	93.8	3.69	113.4	4.46	x		x		
Z13											■		201.0	7.91	209.7	8.26	150	5.91	93.8	3.69	113.4	4.46	x			x	
Z16	x					●		■	■		■		250.8	9.87	257.3	10.13	200	7.87	118.2	4.65	137.1	5.40	x			x	

■ Molded sprocket

● Molded sprocket

■ Machined sprocket

● Machined sprocket



Other sprocket sizes are available upon request.
 Two-part sprocket are available upon request.
 Round bores are always delivered with keyway.
 Other bore sizes are available upon request.
 uni Retainer Rings: See uni Retainer Ring data sheet
 Width of tooth = 11.0 mm (0.43 in)
 Width of sprocket = 42.3 mm (1.67 in)

Max load per sprocket shown does not take bore size into account.
 Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni OPB.
 For more detailed sprocket information, contact Customer Service.

Non standard material and color: See uni Material and Color Overview.

uni OPB 8P C/1301



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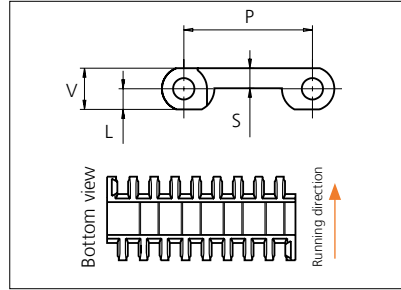
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Plastic Modular Belt

Series **uni OPB 8** Type **Rough**



Straight running belt
 Nominal pitch: 50.0 mm (1.97 in)
 Surface type: Rough
 Surface opening: Closed
 Backflex radius: 75.0 mm (3.00 in)
 Pin diameter: ø8 mm (1.97 in)

*uni-chains recommends this travel direction. However, travel in both directions is possible.

Recommended belt material & color	POM-D W	mm	in	mm	in		
		P (Nominal)	50.0	1.97	V	16.0	0.63
Recommended pin and lock material & color	PP W	L	8.0	0.31	S	7.8	0.31

Non standard material and color: See uni Material and Color Overview.

Alternative materials: Belt: POM-LF, POM-SLF, PP, PE, PA6.6 and PA6.6H Rodlock: PP **W** Endlock: PP **W** **G** **B** and PE **W** **B**
 Lockpin: PE **W** PA6.6 **N** PP **W** Pin: PP **W** PE **W** SS304 and SS316

Belt width		Permissible tensile force (Belt/pin material)						Belt weight (Belt/pin material)						*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-D/PA6.6		PP/PA6.6		PE/PA6.6		POM-D/PA6.6		PP/PA6.6		PE/PA6.6			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft	kg/m	lb/ft			
152	6.0	3344	752	1672	376	1003	226	1.8	1.20	1.1	0.77	1.2	0.83	2	2	2
303	11.9	6666	1499	3333	749	2000	450	3.5	2.38	2.3	1.53	2.5	1.65	3	3	2
455	17.9	10010	2250	5005	1125	3003	675	5.3	3.58	3.4	2.29	3.7	2.48	4	4	2
606	23.9	13332	2997	6666	1499	4000	899	7.1	4.76	4.5	3.05	4.9	3.30	5	5	3
758	29.8	16676	3749	8338	1874	5003	1125	8.9	5.96	5.7	3.82	6.1	4.13	6	6	3
909	35.8	19998	4496	9999	2248	5999	1349	10.6	7.15	6.8	4.58	7.4	4.95	7	7	4
1061	41.8	23342	5247	11671	2624	7003	1574	12.4	8.34	8.0	5.35	8.6	5.78	8	8	4
1212	47.7	26664	5994	13332	2997	7999	1798	14.2	9.53	9.1	6.11	9.8	6.60	9	9	5
1364	53.7	30008	6746	15004	3373	9002	2024	16.0	10.73	10.2	6.88	11.0	7.43	10	10	5
1515	59.6	33330	7493	16665	3746	9999	2248	17.7	11.91	11.4	7.64	12.3	8.25	11	11	6
1667	65.6	36674	8244	18337	4122	11002	2473	19.5	13.11	12.5	8.40	13.5	9.07	12	12	6
1818	71.6	39996	8991	19998	4496	11999	2697	21.3	14.29	13.6	9.16	14.7	9.90	13	13	7
1970	77.6	43340	9743	21670	4871	13002	2923	23.0	15.49	14.8	9.93	16.0	10.72	14	14	7

Additional standard belt widths are available in steps of 151.5 mm (5.96 in.) Additional non-standard belt widths are available in steps of 33.5 mm (1.32 in.)

2576	101.4	56672	12740	28336	6370	17002	3822	30.1	20.26	19.3	12.98	20.9	14.02	18	18	9
------	-------	-------	-------	-------	------	-------	------	------	-------	------	-------	------	-------	----	----	---

Additional standard belt widths are available in steps of 151.5 mm (5.96 in.) Additional non-standard belt widths are available in steps of 33.5 mm (1.32 in.)

2879	113.3	63338	14238	31669	7119	19001	4272	33.7	22.64	21.6	14.51	23.3	15.67	20	20	10
------	-------	-------	-------	-------	------	-------	------	------	-------	------	-------	------	-------	----	----	----

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.

*Max. Load per Drive Sprocket. Belt material: POM 2500 N (562 lbf), PP 1200 N (270 lbf), PE 500 N (270 lbf)

**Max. Spacing between wear strips, Carry: 152 mm (6 in.); Return: 304 mm (12 in.)



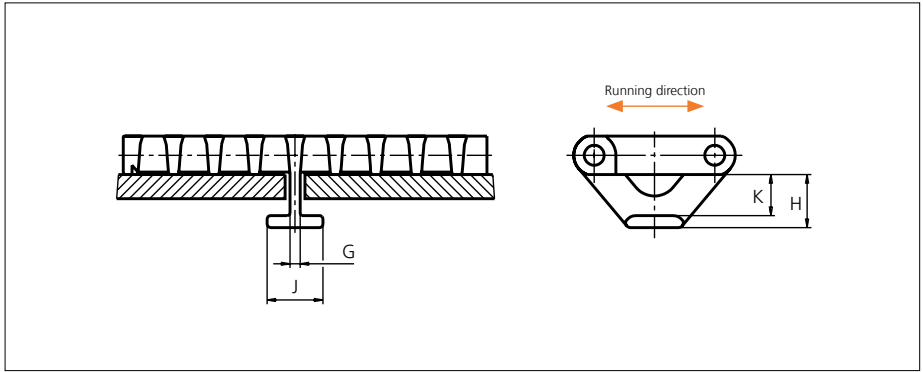
NON STANDARD

STRAIGHT RUNNING

PITCH 50.0 MM/1.97 IN

Accessories

Tab



Type	Recommended material & color	G		H		J		K	
		mm	in	mm	in	mm	in	mm	in
Bottom Hold Down	POM-D W	4.2	0.17	22.0	0.87	23.2	0.92	17.0	0.67
	POM-LF B								
	POM-D W								

Non Standard material and color: See uni Material and Color Overview.

Sprocket

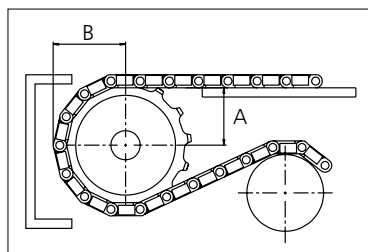
No of teeth	Bore size													Overall diameter		Pitch-diameter		Hub-diameter		A-dimension		B-dimension		Single row/Two way	Double row/Two way	Material		
	Pilot Bore	mm	in	0.75	0.78	0.98	1.00	1.18	1.25	1.50	1.57	2.36	2.50													3.54	mm	in
														PA6	PA6 LG													
Z06	x						●	●	●	■	■				94.5	3.72	100.3	3.95	65	2.56	35.5	1.40	58.6	2.31	x		x	
Z08	x						●	●	●	■	■				129	5.08	131.1	5.16	65	2.56	52.6	2.07	74	2.91	x		x	
Z10	x						●	●	●	■	■				160.1	6.30	162.4	6.39	65	2.56	69.2	2.72	89.7	3.53	x		x	
Z12	x						●	●	●	■	■				191.5	7.54	193.9	7.63	65	2.56	85.7	3.37	105.5	4.15	x		x	
Z13	x						●			■	■				207.3	8.16	209.7	8.26	72	2.83	93.8	3.69	113.4	4.46	x		x	
Z13												■			207.3	8.16	209.7	8.26	150	5.91	93.8	3.69	113.4	4.46	x			x
Z16	x						●		■	■	■		■		254.8	10.03	257.3	10.13	200	7.87	118.2	4.65	137.1	5.40	x			x

■ Molded sprocket

● Molded sprocket

■ Machined sprocket

● Machined sprocket



Other sprocket sizes are available upon request.
 Two-part sprocket are available upon request.
 Round bores are always delivered with keyway.
 Other bore sizes are available upon request.
 uni Retainer Rings: See uni Retainer Ring data sheet
 Width of tooth = 11.0 mm (0.43 in)
 Width of sprocket = 42.3 mm (1.67 in)

Max load per sprocket shown does not take bore size into account.
 Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni OPB.
 For more detailed sprocket information, contact Customer Service.

Non standard material and color: See uni Material and Color Overview.



Conveyor



Seamless



Modular



Timing



Transmission



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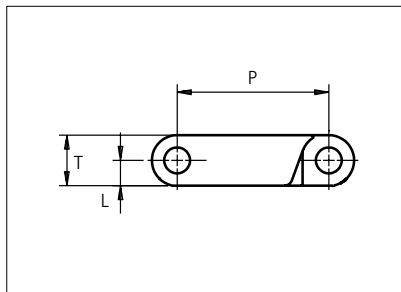
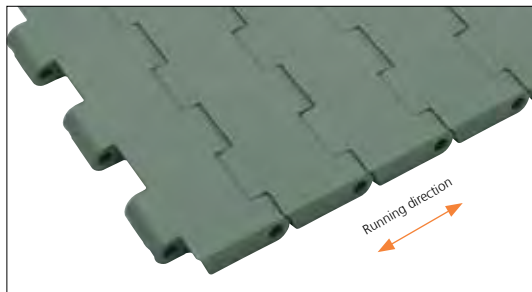
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Plastic Modular Belt

Series **uni SSB** Type **C**



Straight running belt
 Nominal pitch: 38.1 mm (1.50 in)
 Surface type: Flat
 Surface opening: Closed
 Backflex radius: 45.0 mm (1.8 in)
 Pin diameter: 6.4 mm (0.25 in)

Belt material & color	POM-LF BR	PP G	mm	in	mm	in		
Pin and lock material & color	PBT-GR N	PP B	P (Nominal)	38.1	1.50	T	12.7w	0.50
			L	6.4	0.25	-	-	-

Non standard material and color: See uni Material and Color Overview.

Alternative pin and lock materials: Pin: PP **W** PA66 **N** SS304

Belt width		Permissible tensile force (Belt/pin material)				Belt weight (Belt/pin material)				*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-LF/PBT-GR		PP/PBT-GR		POM-LF/PBT-GR		PP/PBT-GR			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft			
83	3.3	2988	672	1079	243	0.9	0.63	0.6	0.41	2	2	2
115	4.5	4140	931	1495	336	1.3	0.87	0.9	0.57	2	2	2
153	6.0	5513	1239	1991	448	1.7	1.16	1.1	0.76	2	2	2
191	7.5	6876	1546	2483	558	2.2	1.45	1.4	0.95	2	2	2
229	9.0	8244	1853	2977	669	2.6	1.74	1.7	1.14	2	2	2
305	12.0	10980	2468	3965	891	3.4	2.32	2.3	1.52	3	3	2
381	15.0	13716	3083	4953	1113	4.3	2.89	2.8	1.89	3	3	2
457	18.0	16452	3698	5941	1336	5.2	3.47	3.4	2.27	4	4	2
533	21.0	19188	4313	6929	1558	6.0	4.05	3.9	2.65	4	4	2
609	24.0	21924	4929	7917	1780	6.9	4.62	4.5	3.03	5	5	3
685	27.0	24660	5544	8905	2002	7.7	5.20	5.1	3.41	5	5	3
761	30.0	27396	6159	9893	2224	8.6	5.78	5.6	3.78	6	6	3

Additional standard belt widths are available in steps of 76.1 mm (3.00 in). Additional non-standard belt widths are available in steps of 25.4 mm (1.00 in).

1979	77.9	71244	16016	25727	5783	22.4	15.03	14.6	9.84	14	14	7
------	------	-------	-------	-------	------	------	-------	------	------	----	----	---

Additional standard belt widths are available in steps of 76.1 mm (3.00 in). Additional non-standard belt widths are available in steps of 25.4 mm (1.00 in).

2968	116.9	106848	24019	38584	8674	33.5	22.54	22.0	14.76	20	20	10
------	-------	--------	-------	-------	------	------	-------	------	-------	----	----	----

For belt width above 2968 mm, please contact our customer service to review packaging and handling.

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.

*Max. Load per Drive Sprocket. Belt material: POM-LF 2000 N (450 lbf), PP 1200 N (270 lbf).

**Max. Spacing between wear strips, Carry: 152 mm (6 in); Return: 304 mm (12 in).

= Single Link



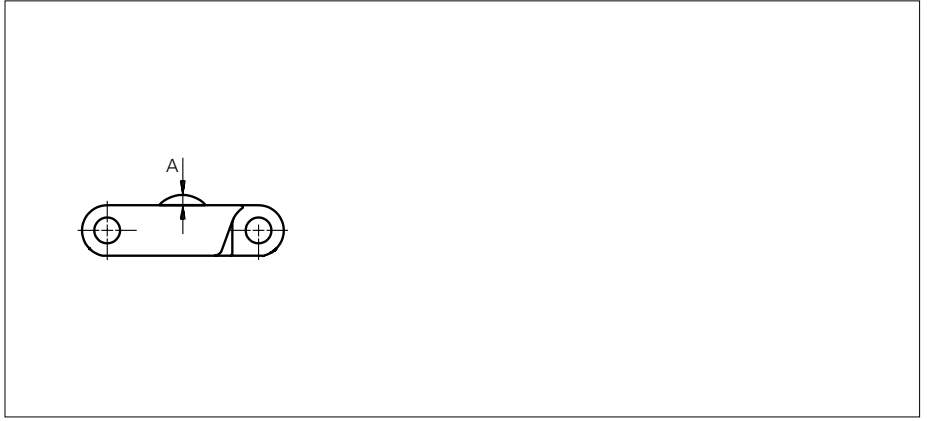
STANDARD

STRAIGHT RUNNING

PITCH 38.1 MM/1.50 IN

Accessories

Rubber Top

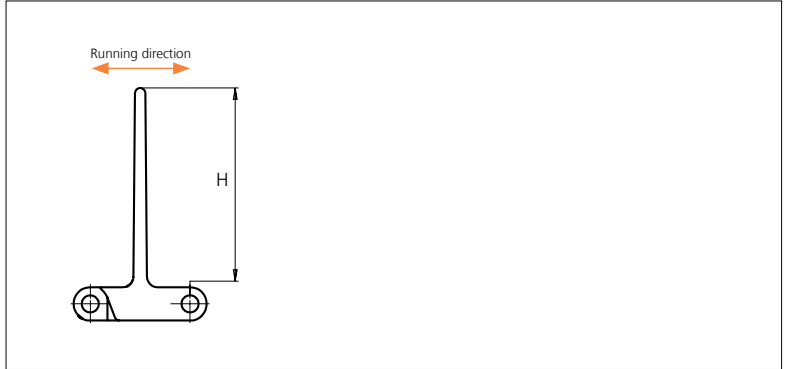


Type	Belt material & color	Rubber material & color	A		Link size	Width	
			mm	in		mm	in
Curved	POM-LF BR	05 I	2.5	0.10	K600	152.2	5.99

Non Standard material and color: See uni Material and Color Overview.

Accessories

Flight



Type	Flight Material & color	H		Link size	Width	
		mm	in		mm	in
Flat	PP-I G	76.1	3.00	K600	152.0	5.99

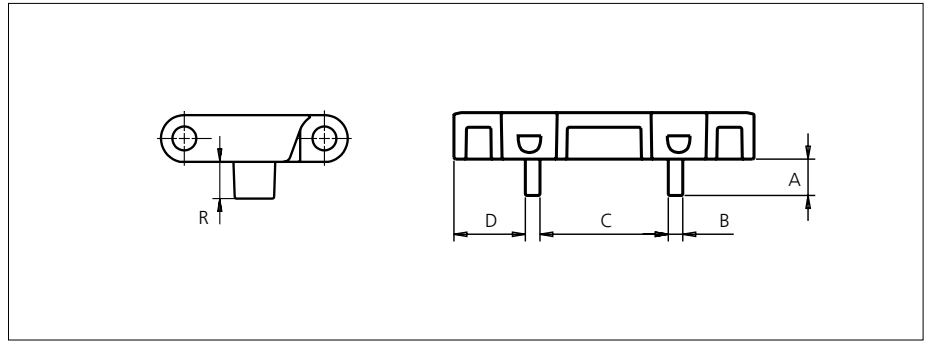
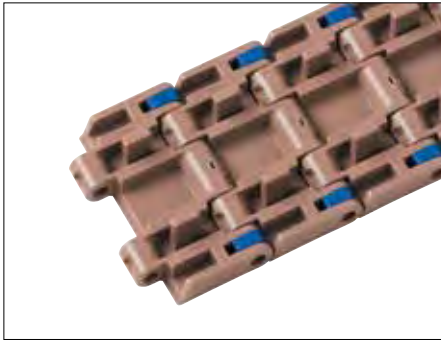
Non Standard material and color: See uni Material and Color Overview.

Minimum bricklaid indent is for uni SSB Product Support 50.8 mm (2.00 in).

Increment: 25.4 mm (1.00 in).

Accessories

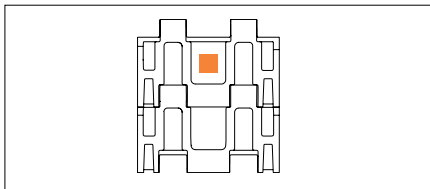
Tab / Single Link Only



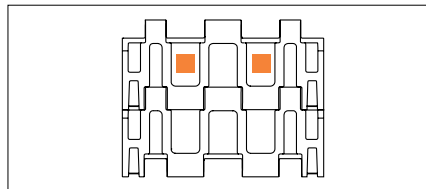
Type	Belt material & color	R		D		C		B		A		Link size	Width	
		mm	in	mm	in	mm	in	mm	in	mm	in		mm	in
Bottom Guide	POM-LF BR PP G	10.0	0.39	19.6	0.77	35.2	1.39	4.0	0.16	10.0	0.39	K325	82.6	3.25

Non Standard material and color: See uni Material and Color Overview.

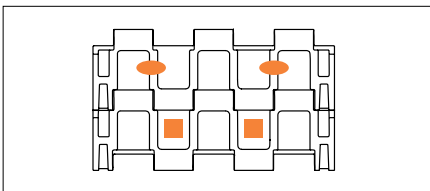
Overview Sprocket Placement



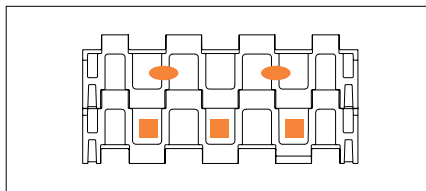
uni SSB K325



uni SSB K450



uni SSB K600



uni SSB K750

- = Single Row sprocket
- = Double Row sprocket

Sprocket

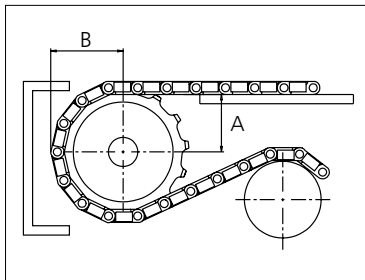
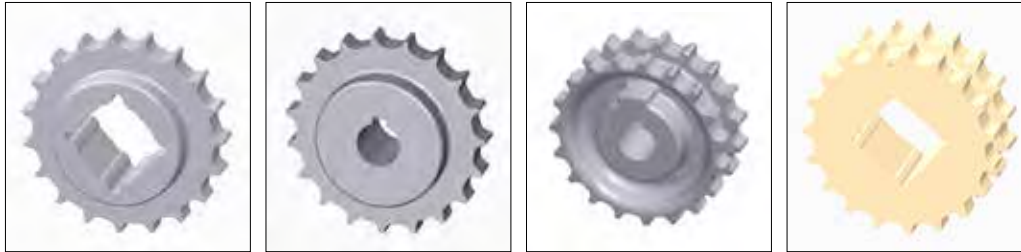
No. of teeth	Bore size													Overall diameter		Pitch diameter		Hub diameter		Dimension A		Dimension B		Single row/Two way	Double row/Two way	Molded PA6 LG	Machined PA6 N
	Pilot Bore	in	0.75	0.78	0.98	1.00	1.18	1.25	1.50	1.57	2.36	2.50	3.54														
	mm	19.1	20.0	25.0	25.4	30.0	31.8	38.1	40.0	60.0	63.5	90.0	mm	in	mm	in	mm	in	mm	in							
Z19	x				●	●	●	■	●				117	4.61	117.3	4.62	75	2.95	49.1	1.93	65	2.56	x	x	x		
Z21	x				●	●	●	■	●				130	5.12	129.3	5.09	75	2.95	55.4	2.18	71	2.80	x	x	x		
Z23	x				●	●	●	■	●				142	5.59	141.2	5.56	75	2.95	61.6	2.43	77	3.03	x	x	x		
Z25	x					●	●	■	●				155	6.10	153.2	6.03	75	2.95	67.8	2.67	83	3.27	x	x	x		
Z27	x							●	●	●			167	6.57	165.2	6.5	75	2.95	74	2.91	89	3.50		x		x	
Z29	x							●	●	●			179	7.05	177.2	6.98	75	2.95	80.2	3.16	95	3.74		x		x	
Z31	x							●	●	●			192	7.56	198.3	7.81	75	2.95	86.4	3.40	101	3.98		x		x	

■ Molded sprocket

● Molded sprocket

● Molded sprocket

■ Machined sprocket



● Machined sprocket



Non standard material and color: See uni Material and Color Overview.

Other sprocket sizes are available upon request.

Two-part sprocket are available upon request.

Round bores are always delivered with keyway.

Other bore sizes are available upon request.

uni Retainer Rings: See uni Retainer Ring data sheet.

Width of tooth: 15.0 mm/0.59 in

Width of sprocket: Single row = 42.3 mm (1.67 in)

Double row = 42.3 mm (1.67 in)

Max. load per sprocket shown does not take bore size into account.

Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni SSB.

For more detailed sprocket information, contact Customer Service.

uni SSB C/1409



Conveyor Belts



Seamless Belts



Modular Belts



Timing Belts



Transmission Belts



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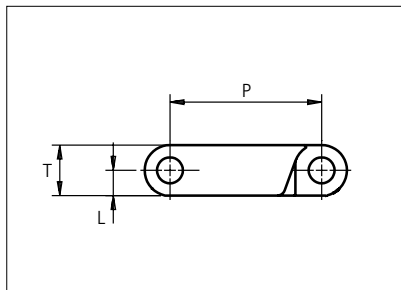
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Plastic Modular Belt

Series **uni SSB** Type **22%**



Straight running belt
 Nominal pitch: 38.1 mm (1.50 in)
 Surface type: Flat
 Surface opening: 22%
 Backflex radius: 45.0 mm (1.8 in)
 Pin diameter: 6.4 mm (0.25 in)

Belt material & color	POM-LF BR	PP G	mm	in	mm	in		
Pin and lock material & color	PBT-GR N	PP B	P (Nominal)	38.1	1.50	T	12.7	0.50
			L	6.4	0.25	-	-	-

Non standard material and color: See uni Material and Color Overview.

Alternative pin and lock materials: Pin: PP **W** PA66 **N** SS304

Belt width		Permissible tensile force (Belt/pin material)				Belt weight (Belt/pin material)				*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-LF/PBT-GR		PP/PBT-GR		POM-LF/PBT-GR		PP/PBT-GR			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft			
153	6.0	5508	1238	1989	447	1.7	1.16	1.1	0.76	2	2	2
229	9.0	8244	1853	2977	669	2.6	1.74	1.7	1.14	2	2	2
305	12.0	10980	2468	3965	891	3.4	2.32	2.3	1.52	3	3	2
381	15.0	13716	3083	4953	1113	4.3	2.89	2.8	1.89	3	3	2
457	18.0	16452	3698	5941	1336	5.2	3.47	3.4	2.27	4	4	2
533	21.0	19188	4313	6929	1558	6.0	4.05	3.9	2.65	4	4	2
609	24.0	21924	4929	7917	1780	6.9	4.62	4.5	3.03	5	5	3
685	27.0	24660	5544	8905	2002	7.7	5.20	5.1	3.41	5	5	3
761	30.0	27396	6159	9893	2224	8.6	5.78	5.6	3.78	6	6	3
838	33.0	30168	6782	10894	2449	9.5	6.36	6.2	4.17	6	6	3
914	36.0	32904	7397	11882	2671	10.3	6.94	6.8	4.55	7	7	4
990	39.0	35640	8012	12870	2893	11.2	7.52	7.3	4.92	7	7	4

Additional standard belt widths are available in steps of 76.1 mm (3.00 in). Additional non-standard belt widths are available in steps of 25.4 mm (1.00 in).

1979	77.9	71244	16016	25727	5783	22.4	15.03	14.6	9.84	14	14	7
------	------	-------	-------	-------	------	------	-------	------	------	----	----	---

Additional standard belt widths are available in steps of 76.1 mm (3.00 in). Additional non-standard belt widths are available in steps of 25.4 mm (1.00 in).

2968	116.9	106848	24019	38584	8674	33.5	22.54	22.0	14.76	20	20	10
------	-------	--------	-------	-------	------	------	-------	------	-------	----	----	----

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.

*Max. Load per Drive Sprocket. Belt material: POM-LF 2000 N (450 lbf), PP 1200 N (270 lbf).

**Max. Spacing between wear strips, Carry: 152 mm (6 in); Return: 304 mm (12 in).

= Single Link



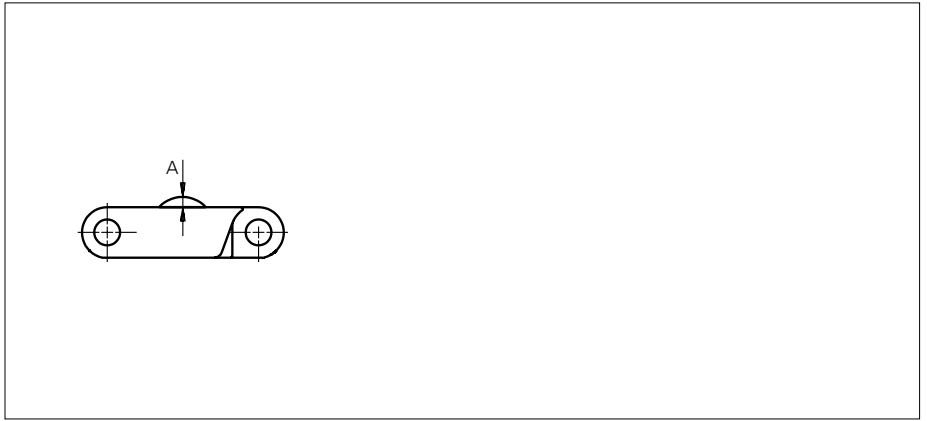
STANDARD

STRAIGHT RUNNING

PITCH 38.1 MM/1.50 IN

Accessories

Rubber Top

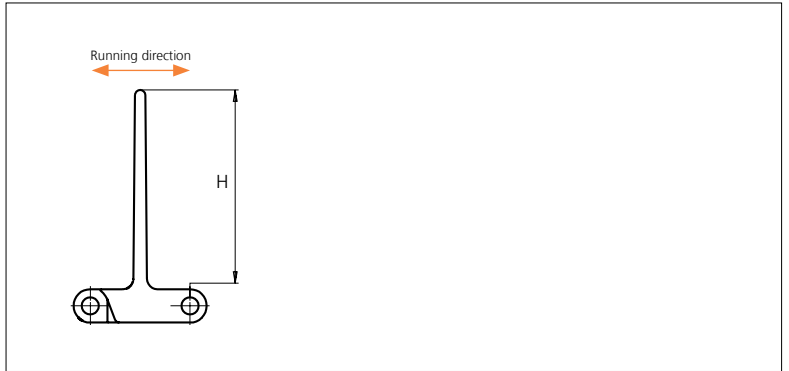


Type	Belt material & color	Rubber material & color	A		Link size	Width	
			mm	in		mm	in
Curved	POM-LF BR	05 I	2.5	0.10	K300	76.0	2.99
					K600	152.2	5.99

Non Standard material and color: See uni Material and Color Overview.

Accessories

Flight



Type	Flight Material & color	H		Link size	Width	
		mm	in		mm	in
Flat	PP-I G	76.1	3.00	K600	152.0	5.99

Non Standard material and color: See uni Material and Color Overview.

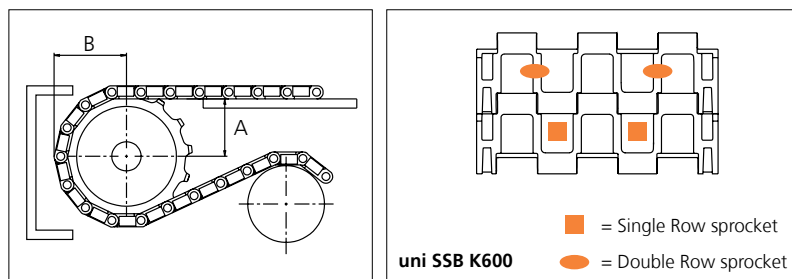
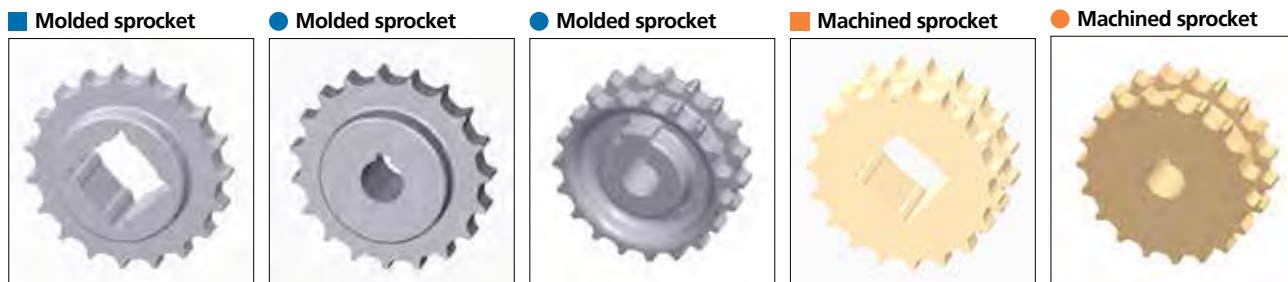
Minimum bricklaid indent is for uni SSB Product Support 50.8 mm (2.00 in)

Increment: 25.4 mm (1.00 in)

Sprocket

No. of teeth	Bore size													Overall diameter		Pitch diameter		Hub diameter		Dimension A		Dimension B		Single row/Two way	Double row/Two way	Molded PA6 LG	Machined PA6 N
	Pilot Bore	in	0.75	0.78	0.98	1.00	1.18	1.25	1.50	1.57	2.36	2.50	3.54														
	mm	19.1	20.0	25.0	25.4	30.0	31.8	38.1	40.0	60.0	63.5	90.0	mm	in	mm	in	mm	in	mm	in							
Z19	x				●	●	●	■	●				117	4.61	117.3	4.62	75	2.95	49.1	1.93	65	2.56	x	x	x		
Z21	x				●	●	●	■	●				130	5.12	129.3	5.09	75	2.95	55.4	2.18	71	2.80	x	x	x		
Z23	x				●	●	●	■	●				142	5.59	141.2	5.56	75	2.95	61.6	2.43	77	3.03	x	x	x		
Z25	x				●	●	●	■	●				155	6.10	153.2	6.03	75	2.95	67.8	2.67	83	3.27	x	x	x		
Z27	x							●	●	●			167	6.57	165.2	6.5	75	2.95	74	2.91	89	3.50		x		x	
Z29	x							●	●	●			179	7.05	177.2	6.98	75	2.95	80.2	3.16	95	3.74		x		x	
Z31	x							●	●	●			192	7.56	198.3	7.81	75	2.95	86.4	3.40	101	3.98		x		x	

Non standard material and color. See uni Material and Color Overview.



Belt material	POM		PP	
	N	lbf	N	lbf
uni SSB	2000	450	1200	270

Other sprocket sizes are available upon request.
 Two-part sprocket are available upon request.
 Round bores are always delivered with keyway.
 Other bore sizes are available upon request.
 uni Retainer Rings: See uni Retainer Ring data sheet
 Width of tooth: 15.0 mm/0.59 in
 Width of sprocket: Single row = 42.3 mm (1.67 in)
 Double row = 42.3 mm (1.67 in)

Max load per sprocket shown does not take bore size into account.
 Please also ensure that sufficient size shaft is chosen for corresponding load.

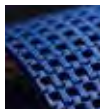
For correct sprocket position: See uni Assembly Instructions for uni SSB.
 For more detailed sprocket information, contact Customer Service.



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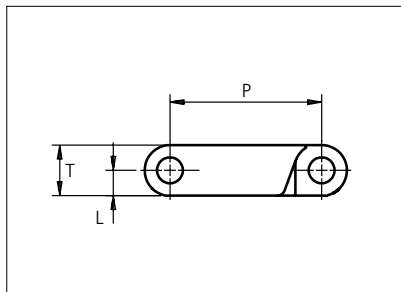
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Plastic Modular Belt

Series **uni SSB** Type **29%**



Straight running belt
 Nominal pitch: 38.1 mm (1.50 in)
 Surface type: Flat
 Surface opening: 29%
 Backflex radius: 45.0 mm (1.8 in)
 Pin diameter: 6.4 mm (0.25 in)

Belt material & color	POM-LF BR	PP G	mm	in	mm	in		
Pin and lock material & color	PBT-GR N	PP B	P (Nominal)	38.1	1.50	T	12.7	0.50
			L	6.4	0.25	-	-	-

Non standard material and color: See uni Material and Color Overview.

Alternative pin and lock materials: Pin: PP **W** PA66 **N** SS304

Belt width		Permissible tensile force (Belt/pin material)				Belt weight (Belt/pin material)				*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-LF/PBT-GR		PP/PBT-GR		POM-LF/PBT-GR		PP/PBT-GR			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft			
153	6.0	5508	1238	1989	447	1.7	1.16	1.1	0.76	2	2	2
229	9.0	8244	1853	2977	669	2.6	1.74	1.7	1.14	2	2	2
305	12.0	10980	2468	3965	891	3.4	2.32	2.3	1.52	3	3	2
381	15.0	13716	3083	4953	1113	4.3	2.89	2.8	1.89	3	3	2
457	18.0	16452	3698	5941	1336	5.2	3.47	3.4	2.27	4	4	2
533	21.0	19188	4313	6929	1558	6.0	4.05	3.9	2.65	4	4	2
609	24.0	21924	4929	7917	1780	6.9	4.62	4.5	3.03	5	5	3
685	27.0	24660	5544	8905	2002	7.7	5.20	5.1	3.41	5	5	3
761	30.0	27396	6159	9893	2224	8.6	5.78	5.6	3.78	6	6	3
838	33.0	30168	6782	10894	2449	9.5	6.36	6.2	4.17	6	6	3
914	36.0	32904	7397	11882	2671	10.3	6.94	6.8	4.55	7	7	4
990	39.0	35640	8012	12870	2893	11.2	7.52	7.3	4.92	7	7	4

Additional standard belt widths are available in steps of 76.1 mm (3.00 in). Additional non-standard belt widths are available in steps of 25.4 mm (1.00 in).

1979	77.9	71244	16016	25727	5783	22.4	15.03	14.6	9.84	14	14	7
------	------	-------	-------	-------	------	------	-------	------	------	----	----	---

Additional standard belt widths are available in steps of 76.1 mm (3.00 in). Additional non-standard belt widths are available in steps of 25.4 mm (1.00 in).

2968	116.9	106848	24019	38584	8674	33.5	22.54	22.0	14.76	20	20	10
------	-------	--------	-------	-------	------	------	-------	------	-------	----	----	----

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.

*Max. Load per Drive Sprocket. Belt material: POM-LF 2000 N (450 lbf), PP 1200 N (270 lbf).

**Max. Spacing between wear strips, Carry: 152 mm (6 in); Return: 304 mm (12 in).

= Single Link



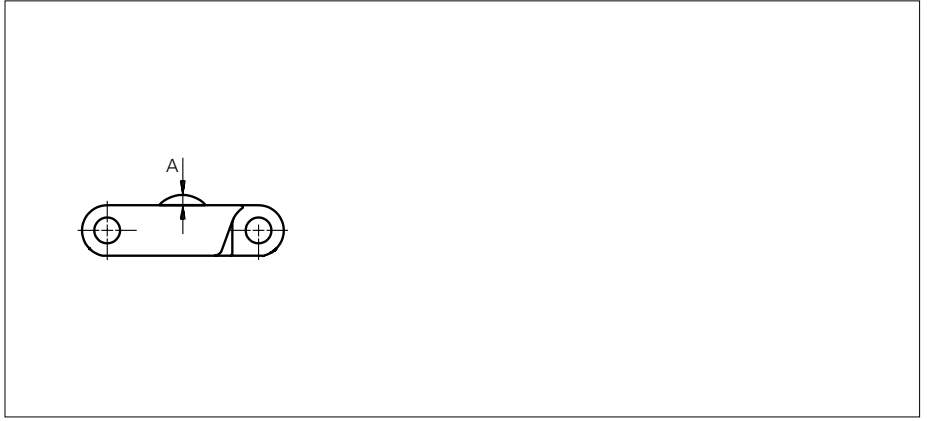
STANDARD

STRAIGHT RUNNING

PITCH 38.1 MM/1.50 IN

Accessories

Rubber Top

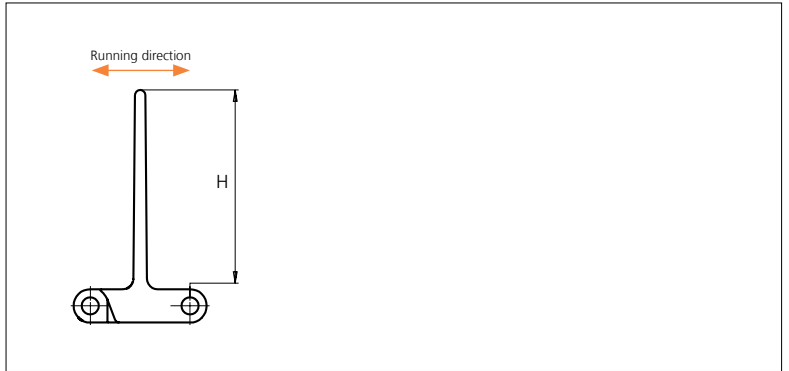


Type	Belt material & color	Rubber material & color	A		Link size	Width	
			mm	in		mm	in
Curved	POM-LF BR	05 I	2.5	0.10	K300	76.0	2.99
					K600	152.2	5.99

Non Standard material and color: See uni Material and Color Overview.

Accessories

Flight



Type	Flight Material & color	H		Link size	Width	
		mm	in		mm	in
Flat	PP-I G	76.1	3.00	K600	152.0	5.99

Non Standard material and color: See uni Material and Color Overview.

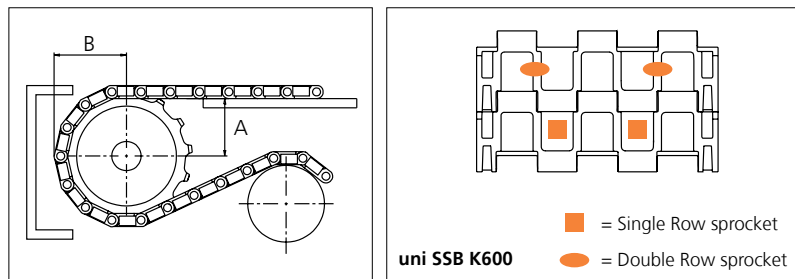
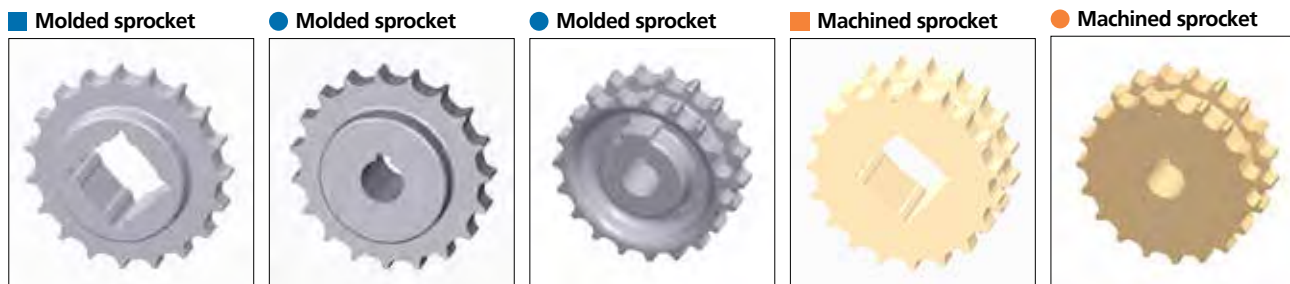
Minimum bricklaid indent is for uni SSB Product Support 50.8 mm (2.00 in)

Increment: 25.4 mm (1.00 in)

Sprocket

No. of teeth	Bore size													Overall diameter		Pitch diameter		Hub diameter		Dimension A		Dimension B		Single row/Two way	Double row/Two way	Molded PA6 LG	Machined PA6 N
	Pilot Bore	in	0.75	0.78	0.98	1.00	1.18	1.25	1.50	1.57	2.36	2.50	3.54														
	mm	19.1	20.0	25.0	25.4	30.0	31.8	38.1	40.0	60.0	63.5	90.0	mm	in	mm	in	mm	in	mm	in							
Z19	x				●	●	●	■	●				117	4.61	117.3	4.62	75	2.95	49.1	1.93	65	2.56	x	x	x		
Z21	x				●	●	●	■	●				130	5.12	129.3	5.09	75	2.95	55.4	2.18	71	2.80	x	x	x		
Z23	x				●	●	●	■	●				142	5.59	141.2	5.56	75	2.95	61.6	2.43	77	3.03	x	x	x		
Z25	x				●	●	●	■	●				155	6.10	153.2	6.03	75	2.95	67.8	2.67	83	3.27	x	x	x		
Z27	x							●	●	●			167	6.57	165.2	6.5	75	2.95	74	2.91	89	3.50		x		x	
Z29	x							●	●	●			179	7.05	177.2	6.98	75	2.95	80.2	3.16	95	3.74		x		x	
Z31	x							●	●	●			192	7.56	198.3	7.81	75	2.95	86.4	3.40	101	3.98		x		x	

Non standard material and color. See uni Material and Color Overview.



Belt material	POM		PP	
	N	lbf	N	lbf
uni SSB	2000	450	1200	270

Other sprocket sizes are available upon request.
 Two-part sprocket are available upon request.
 Round bores are always delivered with keyway.
 Other bore sizes are available upon request.
 uni Retainer Rings: See uni Retainer Ring data sheet
 Width of tooth: 15.0 mm/0.59 in
 Width of sprocket: Single row = 42.3 mm (1.67 in)
 Double row = 42.3 mm (1.67 in)

Max. load per sprocket shown does not take bore size into account.
 Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni SSB.
 For more detailed sprocket information, contact Customer Service.



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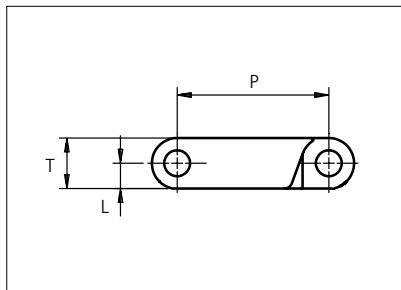
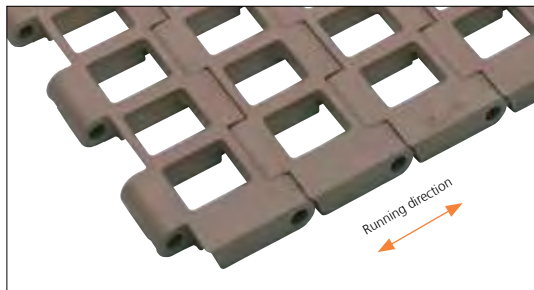
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Plastic Modular Belt

Series **uni SSB** Type **32%**



Straight running belt
 Nominal pitch: 38.1 mm (1.50 in)
 Surface type: Flat
 Surface opening: 32%
 Backflex radius: 45.0 mm (1.8 in)
 Pin diameter: 6.4 mm (0.25 in)

Belt material & color	POM-LF BR	PP G	mm	in	mm	in		
Pin and lock material & color	PBT-GR N	PP B	P (Nominal)	38.1	1.50	T	12.7	0.50
			L	6.4	0.25	-	-	-

Non standard material and color: See uni Material and Color Overview.

Alternative pin and lock materials: Pin: PP **W** PA66 **N** SS304

Belt width		Permissible tensile force (Belt/pin material)				Belt weight (Belt/pin material)				*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-LF/PBT-GR		PP/PBT-GR		POM-LF/PBT-GR		PP/PBT-GR			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft			
153	6.0	5508	1238	1989	447	1.7	1.16	1.1	0.76	2	2	2
229	9.0	8244	1853	2977	669	2.6	1.74	1.7	1.14	2	2	2
305	12.0	10980	2468	3965	891	3.4	2.32	2.3	1.52	3	3	2
381	15.0	13716	3083	4953	1113	4.3	2.89	2.8	1.89	3	3	2
457	18.0	16452	3698	5941	1336	5.2	3.47	3.4	2.27	4	4	2
533	21.0	19188	4313	6929	1558	6.0	4.05	3.9	2.65	4	4	2
609	24.0	21924	4929	7917	1780	6.9	4.62	4.5	3.03	5	5	3
685	27.0	24660	5544	8905	2002	7.7	5.20	5.1	3.41	5	5	3
761	30.0	27396	6159	9893	2224	8.6	5.78	5.6	3.78	6	6	3
838	33.0	30168	6782	10894	2449	9.5	6.36	6.2	4.17	6	6	3
914	36.0	32904	7397	11882	2671	10.3	6.94	6.8	4.55	7	7	4
990	39.0	35640	8012	12870	2893	11.2	7.52	7.3	4.92	7	7	4

Additional standard belt widths are available in steps of 76.1 mm (3.00 in). Additional non-standard belt widths are available in steps of 25.4 mm (1.00 in).

1979	77.9	71244	16016	25727	5783	22.4	15.03	14.6	9.84	14	14	7
------	------	-------	-------	-------	------	------	-------	------	------	----	----	---

Additional standard belt widths are available in steps of 76.1 mm (3.00 in). Additional non-standard belt widths are available in steps of 25.4 mm (1.00 in).

2968	116.9	106848	24019	38584	8674	33.5	22.54	22.0	14.76	20	20	10
------	-------	--------	-------	-------	------	------	-------	------	-------	----	----	----

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.

*Max. Load per Drive Sprocket. Belt material: POM-LF 2000 N (450 lbf), PP 1200 N (270 lbf).

**Max. Spacing between wear strips, Carry: 152 mm (6 in); Return: 304 mm (12 in).

= Single Link



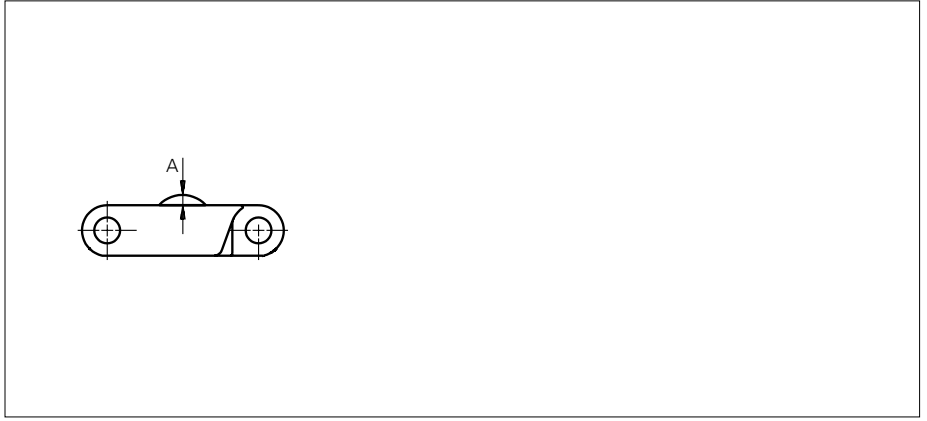
STANDARD

STRAIGHT RUNNING

PITCH 38.1 MM/1.50 IN

Accessories

Rubber Top

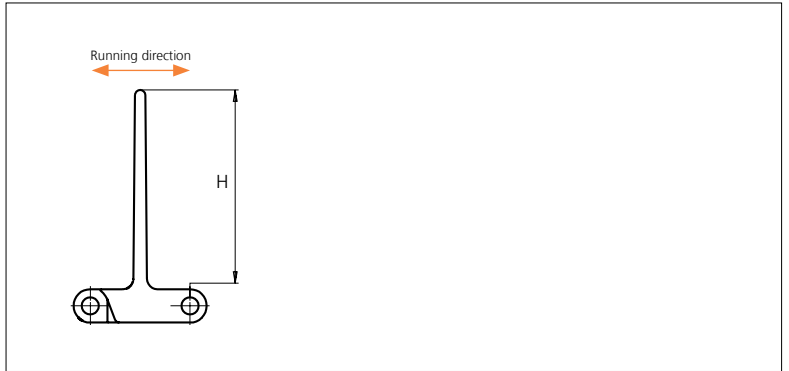


Type	Belt material & color	Rubber material & color	A		Link size	Width	
			mm	in		mm	in
Curved	POM-LF BR	05 I	2.5	0.10	K300	76.0	2.99
					K600	152.2	5.99

Non Standard material and color: See uni Material and Color Overview.

Accessories

Flight



Type	Flight Material & color	H		Link size	Width	
		mm	in		mm	in
Flat	PP-I G	76.1	3.00	K600	152.0	5.99

Non Standard material and color: See uni Material and Color Overview.

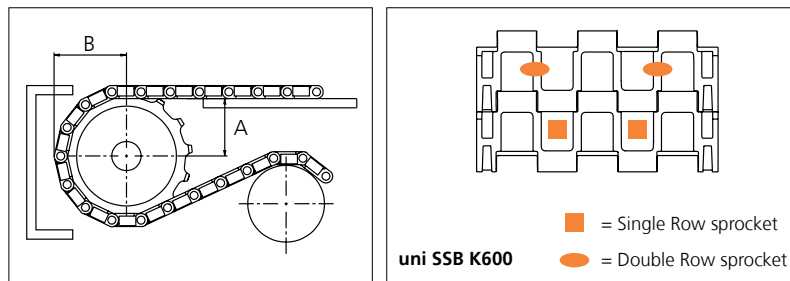
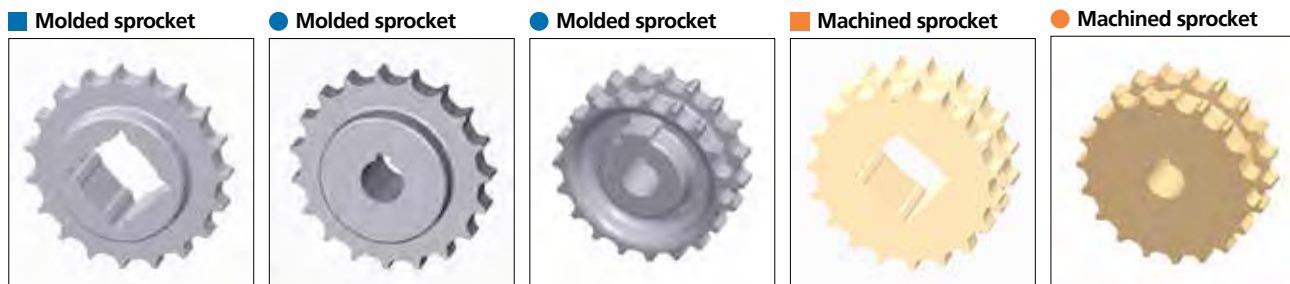
Minimum bricklaid indent is for uni SSB Product Support 50.8 mm (2.00 in)

Increment: 25.4 mm (1.00 in)

Sprocket

No. of teeth	Bore size													Overall diameter		Pitch diameter		Hub diameter		Dimension A		Dimension B		Single row/Two way	Double row/Two way	Molded PA6 LG	Machined PA6 N
	Pilot Bore	in	0.75	0.78	0.98	1.00	1.18	1.25	1.50	1.57	2.36	2.50	3.54														
	mm	19.1	20.0	25.0	25.4	30.0	31.8	38.1	40.0	60.0	63.5	90.0	mm	in	mm	in	mm	in	mm	in							
Z19	x				●	●	●	■	●				117	4.61	117.3	4.62	75	2.95	49.1	1.93	65	2.56	x	x	x		
Z21	x				●	●	●	■	●				130	5.12	129.3	5.09	75	2.95	55.4	2.18	71	2.80	x	x	x		
Z23	x				●	●	●	■	●				142	5.59	141.2	5.56	75	2.95	61.6	2.43	77	3.03	x	x	x		
Z25	x				●	●	●	■	●				155	6.10	153.2	6.03	75	2.95	67.8	2.67	83	3.27	x	x	x		
Z27	x							●	●	●			167	6.57	165.2	6.5	75	2.95	74	2.91	89	3.50		x		x	
Z29	x							●	●	●			179	7.05	177.2	6.98	75	2.95	80.2	3.16	95	3.74		x		x	
Z31	x							●	●	●			192	7.56	198.3	7.81	75	2.95	86.4	3.40	101	3.98		x		x	

Non standard material and color. See uni Material and Color Overview.



Belt material	POM		PP	
	N	lbf	N	lbf
uni SSB	2000	450	1200	270

Other sprocket sizes are available upon request.
 Two-part sprocket are available upon request.
 Round bores are always delivered with keyway.
 Other bore sizes are available upon request.
 uni Retainer Rings: See uni Retainer Ring data sheet.
 Width of tooth: 15.0 mm/0.59 in
 Width of sprocket: Single row = 42.3 mm (1.67 in)
 Double row = 42.3 mm (1.67 in)

Max. load per sprocket shown does not take bore size into account.
 Please also ensure that sufficient size shaft is chosen for corresponding load.

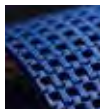
For correct sprocket position: See uni Assembly Instructions for uni SSB.
 For more detailed sprocket information, contact Customer Service.



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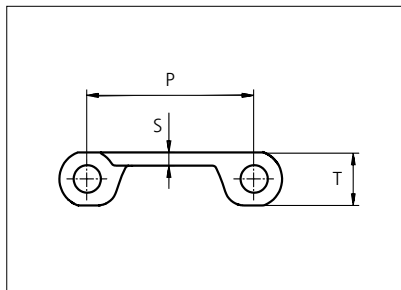
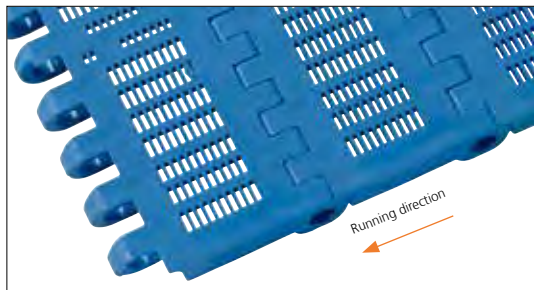
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Plastic Modular Belt

Series **uni BLB** Type **18%**



Straight running belt
 Nominal pitch: 50.8 mm (2.00 in)
 Surface type: Flat
 Surface opening: 18%
 Backflex radius: 65.0 mm (2.60 in)
 Pin diameter: 8.0 mm (0.31 in)

Belt material & color	PP-HW LB		mm	in		mm	in
	Pin and lock material & color	SS304 PP-HW LB	P (Nominal)	50.8	2.00	T	16.0
S			4.0	0.16	-	-	-

Non standard material and color: See uni Material and Color Overview.

Alternative pin and lock materials: Lockpin: PP-HW **LB**

Belt width		***Permissible tensile force (Belt/pin material)				Belt weight (Belt/pin material)				*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		PP-HW/SS		PP-HW/ PP-HW		PP-HW/SS		PP-HW/PP-HW			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft			
152	6.0	1005	226	1005	226	1.8	1.20	0.7	0.49	2	2	2
305	12.0	2013	453	2013	453	3.6	2.40	1.5	0.98	3	3	2
356	14.0	2348	528	2348	528	4.2	2.80	1.7	1.15	3	3	2
406	16.0	2683	603	2683	603	4.8	3.20	2.0	1.31	3	3	2
457	18.0	3017	678	3017	678	5.3	3.59	2.2	1.47	4	4	2
508	20.0	3352	754	3352	754	5.9	3.99	2.4	1.64	4	4	2
559	22.0	3687	829	3687	829	6.5	4.39	2.7	1.80	4	4	2
609	24.0	4022	904	4022	904	7.1	4.79	2.9	1.97	5	5	3
660	26.0	4356	979	4356	979	7.7	5.19	3.2	2.13	5	5	3
711	28.0	4691	1055	4691	1055	8.3	5.59	3.4	2.29	5	5	3
762	30.0	5026	1130	5026	1130	8.9	5.99	3.7	2.46	6	6	3
812	32.0	5361	1205	5361	1205	9.5	6.39	3.9	2.62	6	6	3

Additional standard belt widths are available in steps of 50.7 mm (2.00 in.)

1979	77.9	13061	2936	13061	2936	23.2	15.56	9.5	6.38	14	14	7
------	------	-------	------	-------	------	------	-------	-----	------	----	----	---

Additional standard belt widths are available in steps of 50.7 mm (2.00 in.)

2994	117.9	19760	4442	19760	4442	35.0	23.54	14.4	9.66	20	20	10
------	-------	-------	------	-------	------	------	-------	------	------	----	----	----

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.

*Max. Load per Drive Sprocket. Belt material: PP-HW with snub roller 2000 N (450 lbf), PP-HW without snub roller 1250 N (281 lbf)

**Max. Spacing between wear strips, Carry: 152 mm (6 in.) ; Return: 304 mm (12 in.)

***Load capacity per row of reinforcement links in the belt: 2500 N (562 lbf)

***Example: Belt with 8 rows of reinforcement links, permissible load is 8 x 2500 N (562 lbf) = 20000 N (4496 lbf)

= Single Link



STANDARD

STRAIGHT RUNNING

PITCH 50.8 MM/2.00 IN

Accessories

Flight / Non Standard

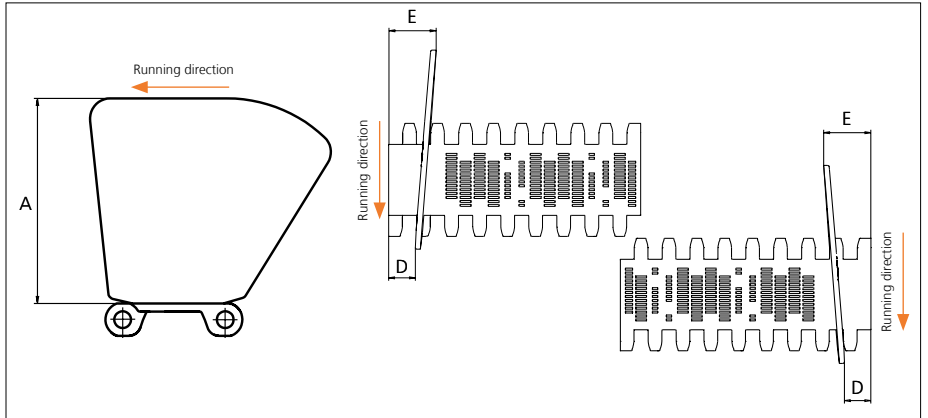


uni MPB Flight

uni MPB Flights in PP-HW **LB** fits the BLB belt and are available on request. Please see the uni MPB Flight datasheet for more information.

Accessories

Side Guard



Type	Material & color	A		E		D	
		mm	in	mm	in	mm	in
Closed	PP-HW LB	101.6	4.00	28.5	1.12	16.0	0.63

Non Standard material and color: See uni Material and Color Overview.
Backflex radius for Side Guard: 200.0 mm (7.90 in)

Accessories

Reinforcement Link



Load capacity per row of reinforcement links in the belt. Maximum 19 rows per metre belt width.
Example: If seven rows are installed the max. permissible load of the belt is
 $7 \times 2500 \text{ N (562 lbf)} = 17500 \text{ N (3934 lbf)}$.

Type	Material & color	N/row	Lbf/row
Steel Link	SS316	2500	562

Non Standard material and color: See uni Material and Color Overview.

Sprocket

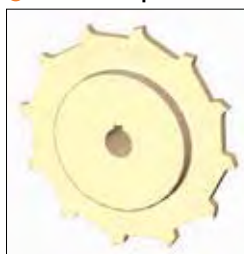
No of teeth	Bore size													Overall diameter		Pitch diameter		Hub diameter		A-dimension		B-dimension		Single row/One way	Double row/Two way	Material	
	Pilot bore		19.1	20.0	25.0	25.4	30.0	31.8	38.1	40.0	60.0	63.5	90.0													PA6	LG
	mm	in												mm	in	mm	in	mm	in	mm	in	Molded	Machined				
Z06	x				●	●	●	■	■				99.5	3.92	101.6	4.00	65	2.56	36	1.42	59.3	2.33	x		x		
Z08	x				●	●	●	■	■				132.9	5.23	132.8	5.23	65	2.56	53.3	2.10	74.9	2.95	x		x		
Z10	x					●	●	■	■				166.3	6.55	164.4	6.47	65	2.56	70.2	2.76	90.7	3.57	x		x		
Z10										■	■		166.3	6.55	164.4	6.47	120	4.72	70.2	2.76	90.7	3.57	x		x		
Z12	x					●	●	■	■				198.6	7.82	196.3	7.73	65	2.56	86.8	3.42	106.6	4.20	x		x		
Z12										■	■		198.6	7.82	196.3	7.73	120	4.72	86.8	3.42	106.6	4.20	x		x		
Z16	x					●	●	■	■	■	■		263.8	10.39	260.4	10.25	150	5.90	119.7	4.71	138.7	5.46	x			x	

■ Molded sprocket

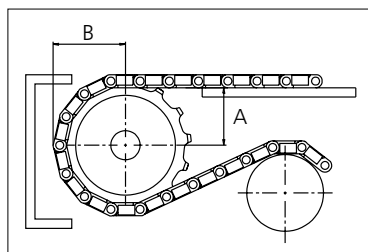
● Molded sprocket

■ Machined sprocket

● Machined sprocket



Non standard material and color: See uni Material and Color Overview.



Other sprocket sizes are available upon request.
 Two-part sprocket are available upon request.
 Round bores are always delivered with keyway.
 Other bore sizes are available upon request.
 uni Retainer Rings: See uni Retainer Ring data sheet
 Width of tooth = 9.5 mm (0.37 in)
 Width of sprocket = 42.3 mm (1.67 in)

Max load per sprocket shown does not take bore size into account.
 Please also ensure that sufficient size shaft is chosen for corresponding load.

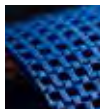
For correct sprocket position: See uni Assembly Instructions for uni BLB.
 For more detailed sprocket information, contact Customer Service.



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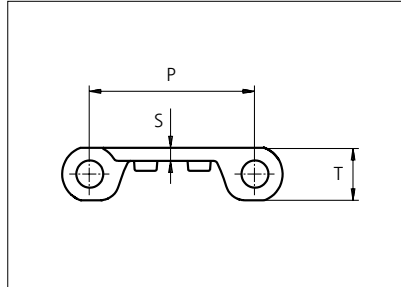
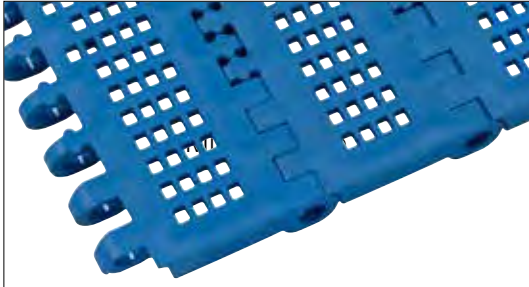
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Plastic Modular Belt

Series **uni BLB** Type **22%**



Straight running belt
 Nominal pitch: 50.8 mm (2.00 in)
 Surface type: Flat
 Surface opening: 22%
 Backflex radius: 65.0 mm (2.60 in)
 Pin diameter: ø8.0 mm (0.31 in)

STANDARD

Belt material & color	PP-HW LB		mm	in		mm	in
	Pin and lock material & color	SS304 PP-HW LB	P (Nominal)	50.8	2.00	T	16.0
S			4.0	0.16	-	-	-

Non standard material and color: See uni Material and Color Overview.

Alternative pin and lock materials: Lockpin: PP-HW **LB**

Belt width		***Permissible tensile force (Belt/pin material)				Belt weight (Belt/pin material)				*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		PP-HW/SS		PP-HW/ PP-HW		PP-HW/SS		PP-HW/PP-HW			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft			
305	12.0	2013	453	2013	453	3.6	2.40	1.5	0.98	3	3	2
356	14.0	2348	528	2348	528	4.2	2.80	1.7	1.15	3	3	2
406	16.0	2683	603	2683	603	4.8	3.20	2.0	1.31	3	3	2
457	18.0	3017	678	3017	678	5.3	3.59	2.2	1.47	4	4	2
508	20.0	3352	754	3352	754	5.9	3.99	2.4	1.64	4	4	2
559	22.0	3687	829	3687	829	6.5	4.39	2.7	1.80	4	4	2
609	24.0	4022	904	4022	904	7.1	4.79	2.9	1.97	5	5	3
660	26.0	4356	979	4356	979	7.7	5.19	3.2	2.13	5	5	3
711	28.0	4691	1055	4691	1055	8.3	5.59	3.4	2.29	5	5	3
762	30.0	5026	1130	5026	1130	8.9	5.99	3.7	2.46	6	6	3
812	32.0	5361	1205	5361	1205	9.5	6.39	3.9	2.62	6	6	3
863	34.0	5696	1280	5696	1280	10.1	6.79	4.1	2.78	6	6	3

Additional standard belt widths are available in steps of 50.7 mm (2.00 in.)

1979	77.9	13061	2936	13061	2936	23.2	15.56	9.5	6.38	14	14	7
------	------	-------	------	-------	------	------	-------	-----	------	----	----	---

Additional standard belt widths are available in steps of 50.7 mm (2.00 in.)

2994	117.9	19760	4442	19760	4442	35.0	23.54	14.4	9.66	20	20	10
------	-------	-------	------	-------	------	------	-------	------	------	----	----	----

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH . For exact belt width contact Customer Service. Non standard belt width on request.

*Max. Load per Drive Sprocket. Belt material: PP-HW with snub roller 2000 N (450 lbf), PP-HW without snub roller 1250 N (281 lbf)

**Max. Spacing between wear strips, Carry: 152 mm (6 in.) ; Return: 304 mm (12 in.)

***Load capacity per row of reinforcement links in the belt: 2500 N (562 lbf)

***Example: Belt with 8 rows of reinforcement links, permissible load is 8 x 2500 N (562 lbf) = 20000 N (4496 lbf)

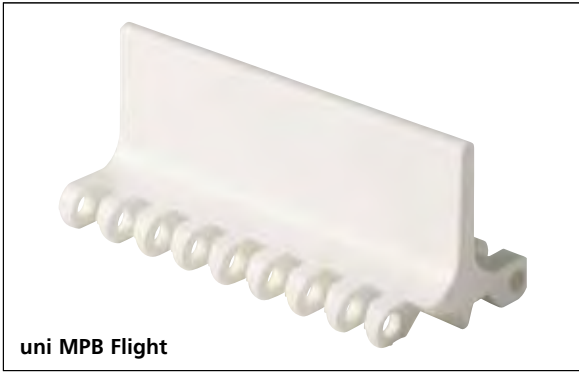
STRAIGHT RUNNING

PITCH 50.8 MM/2.00 IN



Accessories

Flight / Non Standard

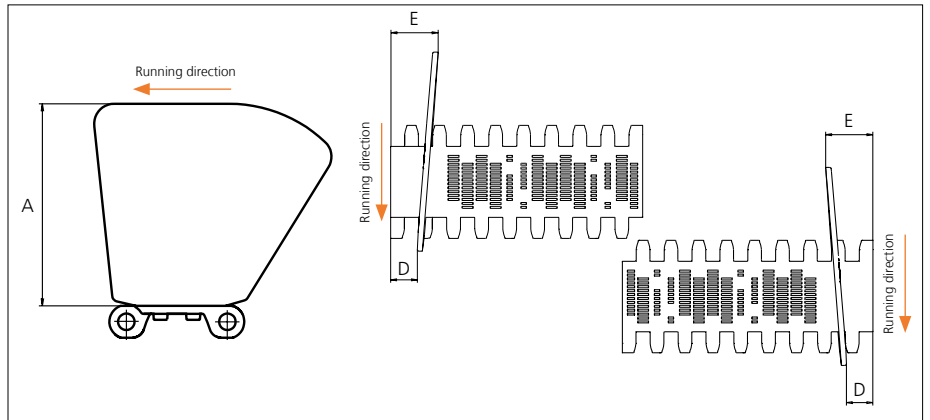


uni MPB Flight

uni MPB Flights in PP-HW **LB** fits the BLB belt and are available on request. Please see the uni MPB Flight datasheet for more information.

Accessories

Side Guard



Type	Material & color	A		E		D	
		mm	in	mm	in	mm	in
Closed	PP-HW LB	101.6	4.00	28.5	1.12	16.0	0.63

Non Standard material and color: See uni Material and Color Overview.
Backflex radius for Side Guard: 200.0 mm (7.90 in)

Accessories

Reinforcement Link



Load capacity per row of reinforcement links in the belt. Maximum 19 rows per metre belt width.
Example: If seven rows are installed the max. permissible load of the belt is
 $7 \times 2500 \text{ N (562 lbf)} = 17500 \text{ N (3934 lbf)}$.

Type	Material & color	N/row	Lbf/row
Steel Link	SS316	2500	562

Non Standard material and color: See uni Material and Color Overview.

Sprocket

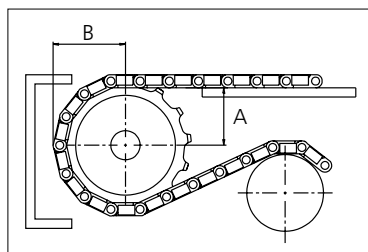
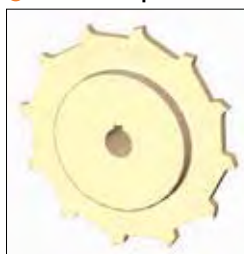
No of teeth	Bore size													Overall diameter		Pitch-diameter		Hub-diameter		A-dimension		B-dimension		Single row/One way	Double row/Two way	Material	
	Pilot bore	mm	in	0.75	0.78	0.98	1.00	1.18	1.25	1.50	1.57	2.36	2.50													3.54	mm
														19.1	20.0	25.0	25.4	30.0	31.8	38.1	40.0	60.0	63.5	90.0	PA6		
Z06	x						●	●	●	■	■			99.5	3.92	101.6	4.00	65	2.56	36	1.42	59.3	2.33	x		x	
Z08	x						●	●	●	■	■			132.9	5.23	132.8	5.23	65	2.56	53.3	2.10	74.9	2.95	x		x	
Z10	x						●	●	●	■	■			166.3	6.55	164.4	6.47	65	2.56	70.2	2.76	90.7	3.57	x		x	
Z10												■	■	166.3	6.55	164.4	6.47	120	4.72	70.2	2.76	90.7	3.57	x		x	
Z12	x						●	●	●	■	■			198.6	7.82	196.3	7.73	65	2.56	86.8	3.42	106.6	4.20	x		x	
Z12												■	■	198.6	7.82	196.3	7.73	120	4.72	86.8	3.42	106.6	4.20	x		x	
Z16	x						●	●	●	■	■	■	■	263.8	10.39	260.4	10.25	150	5.90	119.7	4.71	138.7	5.46	x			x

■ Molded sprocket

● Molded sprocket

■ Machined sprocket

● Machined sprocket



Other sprocket sizes are available upon request.
 Two-part sprocket are available upon request.
 Round bores are always delivered with keyway.
 Other bore sizes are available upon request.
 uni Retainer Rings: See uni Retainer Ring data sheet
 Width of tooth = 9.5 mm (0.37 in)
 Width of sprocket = 42.3 mm (1.67 in)

Max load per sprocket shown does not take bore size into account.
 Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni BLB.
 For more detailed sprocket information, contact Customer Service.

Non standard material and color: See uni Material and Color Overview.



Conveyor



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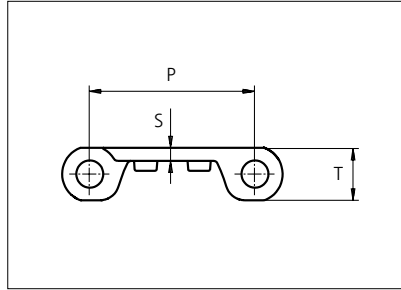
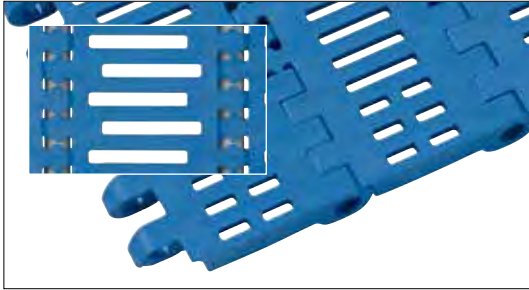
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Plastic Modular Belt

Series **uni BLB** Type **38%**



Straight running belt
 Nominal pitch: 50.8 mm (2.00 in)
 Surface type: Flat
 Surface opening: 38%
 Backflex radius: 65.0 mm (2.60 in)
 Pin diameter: \varnothing 8.0 mm (0.31 in)

STANDARD

Belt material & color	PP-HW LB		mm	in		mm	in
	Pin and lock material & color	SS304 PP-HW LB	P (Nominal)	50.8	2.00	T	16.0
S			4.0	0.16	-	-	-

Non standard material and color: See uni Material and Color Overview.

Alternative pin and lock materials: Lockpin: PP-HW **LB**

Belt width		***Permissible tensile force (Belt/pin material)				Belt weight (Belt/pin material)				*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		PP-HW/SS		PP-HW/ PP-HW		PP-HW/SS		PP-HW/PP-HW			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft			
305	12.0	2013	453	2013	453	3.6	2.40	1.5	0.98	3	3	2
356	14.0	2348	528	2348	528	4.2	2.80	1.7	1.15	3	3	2
406	16.0	2683	603	2683	603	4.8	3.20	2.0	1.31	3	3	2
457	18.0	3017	678	3017	678	5.3	3.59	2.2	1.47	4	4	2
508	20.0	3352	754	3352	754	5.9	3.99	2.4	1.64	4	4	2
559	22.0	3687	829	3687	829	6.5	4.39	2.7	1.80	4	4	2
609	24.0	4022	904	4022	904	7.1	4.79	2.9	1.97	5	5	3
660	26.0	4356	979	4356	979	7.7	5.19	3.2	2.13	5	5	3
711	28.0	4691	1055	4691	1055	8.3	5.59	3.4	2.29	5	5	3
762	30.0	5026	1130	5026	1130	8.9	5.99	3.7	2.46	6	6	3
812	32.0	5361	1205	5361	1205	9.5	6.39	3.9	2.62	6	6	3
863	34.0	5696	1280	5696	1280	10.1	6.79	4.1	2.78	6	6	3

Additional standard belt widths are available in steps of 50.7 mm (2.00 in.)

1979	77.9	13061	2936	13061	2936	23.2	15.56	9.5	6.38	14	14	7
------	------	-------	------	-------	------	------	-------	-----	------	----	----	---

Additional standard belt widths are available in steps of 50.7 mm (2.00 in.)

2994	117.9	19760	4442	19760	4442	35.0	23.54	14.4	9.66	20	20	10
------	-------	-------	------	-------	------	------	-------	------	------	----	----	----

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.

*Max. Load per Drive Sprocket. Belt material: PP-HW with snub roller 2000 N (450 lbf), PP-HW without snub roller 1250 N (281 lbf)

**Max. Spacing between wear strips, Carry: 152 mm (6 in.) ; Return: 304 mm (12 in.)

***Load capacity per row of reinforcement links in the belt: 2500 N (562 lbf) Example: Belt with 8 rows of reinforcement links,

***Example: Belt with 8 rows of reinforcement links, permissible load is 8 x 2500 N (562 lbf) = 20000 N (4496 lbf)



STRAIGHT RUNNING

PITCH 50.8 MM/2.00 IN

Accessories

Flight / Non Standard

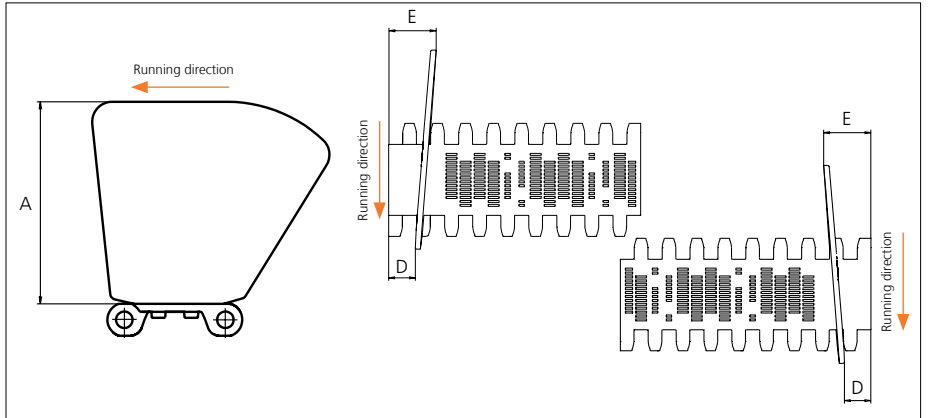


uni MPB Flight

uni MPB Flights in PP-HW **LB** fits the BLB belt and are available on request. Please see the uni MPB Flight datasheet for more information.

Accessories

Side Guard



Type	Material & color	A		E		D	
		mm	in	mm	in	mm	in
Closed	PP-HW LB	101.6	4.00	28.5	1.12	16.0	0.63

Non Standard material and color: See uni Material and Color Overview.
Backflex radius for Side Guard: 200.0 mm (7.90 in)

Accessories

Reinforcement Link



Load capacity per row of reinforcement links in the belt. Maximum 19 rows per metre belt width.
Example: If seven rows are installed the max. permissible load of the belt is
 $7 \times 2500 \text{ N (562 lbf)} = 17500 \text{ N (3934 lbf)}$.

Type	Material & color	N/row	Lbf/row
Steel Link	SS316	2500	562

Non Standard material and color: See uni Material and Color Overview.

Sprocket

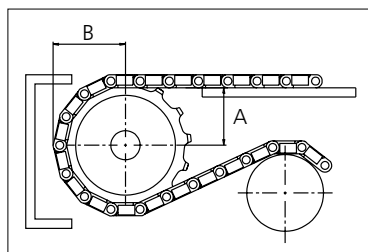
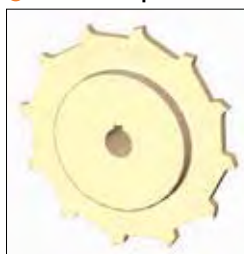
No of teeth	Bore size													Overall diameter		Pitch-diameter		Hub-diameter		A-dimension		B-dimension		Single row/One way	Double row/Two way	Machined	
	Pilot bore		19.1	20.0	25.0	25.4	30.0	31.8	38.1	40.0	60.0	63.5	90.0													mm	in
	mm	in																									
Z06	x				●	●	●	■	■					99.5	3.92	101.6	4.00	65	2.56	36	1.42	59.3	2.33	x		x	
Z08	x				●	●	●	■	■					132.9	5.23	132.8	5.23	65	2.56	53.3	2.10	74.9	2.95	x		x	
Z10	x					●	●	■	■					166.3	6.55	164.4	6.47	65	2.56	70.2	2.76	90.7	3.57	x		x	
Z10										■	■			166.3	6.55	164.4	6.47	120	4.72	70.2	2.76	90.7	3.57	x		x	
Z12	x					●	●	■	■					198.6	7.82	196.3	7.73	65	2.56	86.8	3.42	106.6	4.20	x		x	
Z12										■	■			198.6	7.82	196.3	7.73	120	4.72	86.8	3.42	106.6	4.20	x		x	
Z16	x					●	●	■	■	■	■			263.8	10.39	260.4	10.25	150	5.90	119.7	4.71	138.7	5.46	x			x

■ Molded sprocket

● Molded sprocket

■ Machined sprocket

● Machined sprocket



Other sprocket sizes are available upon request.
 Two-part sprocket are available upon request.
 Round bores are always delivered with keyway.
 Other bore sizes are available upon request.
 uni Retainer Rings: See uni Retainer Ring data sheet
 Width of tooth = 9.5 mm (0.37 in)
 Width of sprocket = 42.3 mm (1.67 in)

Max load per sprocket shown does not take bore size into account.
 Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni BLB.
 For more detailed sprocket information, contact Customer Service.

Non standard material and color: See uni Material and Color Overview.



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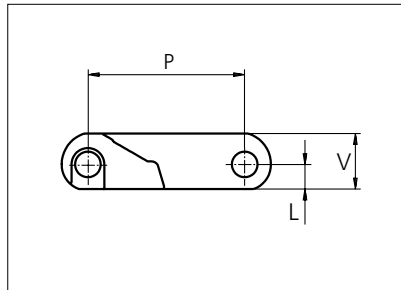
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Plastic Modular Belt

Series **uni CPB** Type **C**



Straight running belt
 Nominal pitch: 50.8 mm (2.00 in)
 Surface type: Flat
 Surface opening: Closed
 Backflex radius: 85.0 mm (3.30 in)
 Pin diameter: \varnothing 8.0 mm (0.31 in)

Belt material & color	POM-NLAS K	POM-NL K	PP G	mm	in	mm	in		
				P (Nominal)	50.8	2.00	V	19.0	0.75
Pin material & color	PA6.6 N			L	8.0	0.31	-	-	-

Non standard material and color: See uni Material and Color Overview.

Alternative pin and lock materials: Lockpin: PBT **LG**

Belt width		Permissible tensile force (Belt/pin material)				Belt weight (Belt/pin material)				*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-NLAS / PA6.6 POM-NL / PA6.6		PP/PA6.6		POM-NLAS / PA6.6 POM-NL / PA6.6		PP/PA6.6			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft			
151	5.9	7852	1765	5285	1188	2.5	1.68	1.7	1.13	2	2	2
202	8.0	10504	2361	7070	1589	3.4	2.25	2.2	1.51	2	2	2
252	9.9	13104	2946	8820	1983	4.2	2.81	2.8	1.88	2	2	2
302	11.9	15704	3530	10570	2376	5.0	3.37	3.4	2.25	3	3	2
352	13.9	18304	4115	12320	2770	5.8	3.93	3.9	2.63	3	3	2
403	15.9	20956	4711	14105	3171	6.7	4.50	4.5	3.01	3	3	2
453	17.8	23556	5295	15855	3564	7.5	5.05	5.0	3.38	4	4	2
503	19.8	26156	5880	17605	3958	8.3	5.61	5.6	3.75	4	4	2
553	21.8	28756	6464	19355	4351	9.2	6.17	6.1	4.13	4	4	2
604	23.8	31408	7061	21140	4752	10.0	6.74	6.7	4.51	5	5	3
654	25.7	34008	7645	22890	5146	10.9	7.30	7.3	4.88	5	5	3
704	27.7	36608	8229	24640	5539	11.7	7.85	7.8	5.25	5	5	3
754	29.7	39208	8814	26390	5932	12.5	8.41	8.4	5.62	6	6	3

Additional standard belt widths are available in steps of 50.3 mm (1.98 in.) Additional non-standard belt widths are available in steps of mm 16.8 (0.66 in.)

1961	77.2	101972	22923	68635	15429	32.6	21.88	21.8	14.63	14	14	7
------	------	--------	-------	-------	-------	------	-------	------	-------	----	----	---

Additional standard belt widths are available in steps of 50.3 mm (1.98 in.) Additional non-standard belt widths are available in steps of mm 16.8 (0.66 in.)

2966	116.8	154232	34671	103810	23336	49.2	33.09	32.9	22.13	20	20	10
------	-------	--------	-------	--------	-------	------	-------	------	-------	----	----	----

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.

*Max. Load per Drive Sprocket. Belt material: POM-NLAS 2500 N (560 lbf), POM-NL 2500 N (560 lbf), PP 2500 N (560 lbf)

**Max. Spacing between wear strips, Carry: 152 mm (6 in.); Return: 304 mm (12 in.)



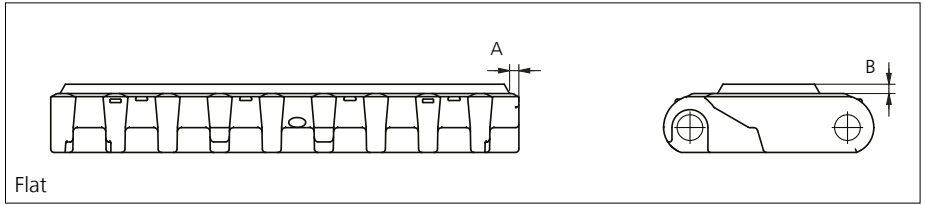
STANDARD

STRAIGHT RUNNING

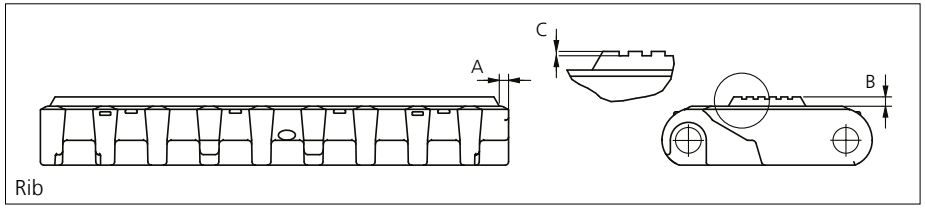
PITCH 50.8 MM/2.00 IN

Accessories

Rubber Top



Flat



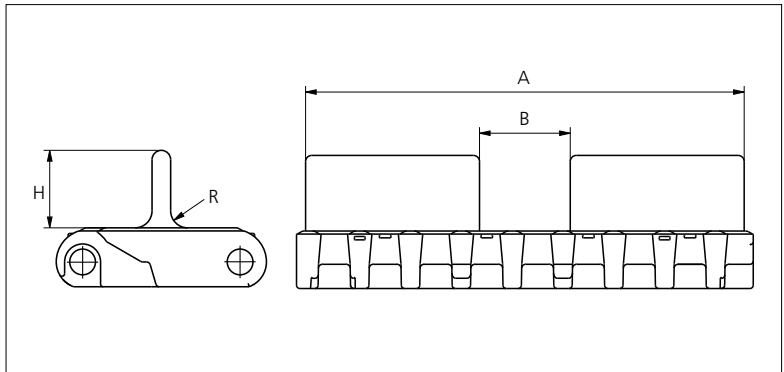
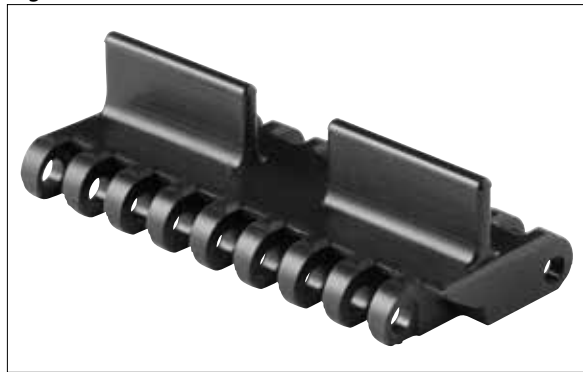
Rib

Type	Belt material & color	Rubber material & color	A		B		C		Link size	Width	
			mm	in	mm	in	mm	in		mm	in
Flat	POM-NL K	09 K	2.5	0.09	3.0	0.12	0.7	0.02	K600	150.5	5.93
Rib											

The color of standard rubber material is black. However, as it is hardly possible to see black rubber on black links, the links are illustrated with rubber in color natural. Other Non Standard Rubber profiles: See uni Rubber Profile Overview.

Accessories

Flight



Type	Material & color	H		R		A		B		Link size	Width		Indent	
		mm	in	mm	in	mm	in	mm	in		mm	in	mm	in
Flat	POM-NLAS K	25.0	0.98	5.5	0.22	145.0	5.70	30.0	1.18	K600	150.5	5.93	2.8	0.11

Non Standard material and color: See uni Material and Color Overview.

Accessories

Top/Bottom Insert NON STANDARD



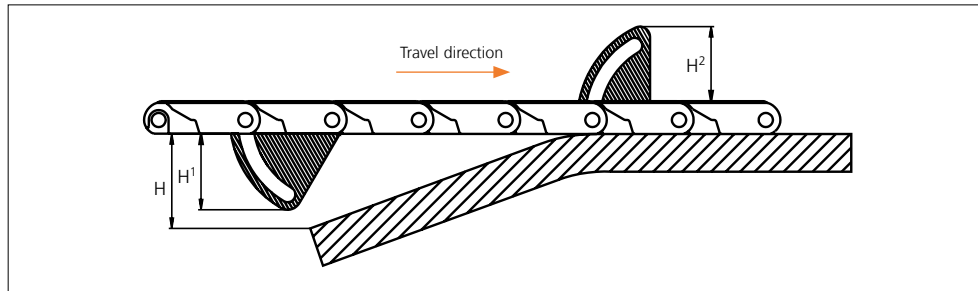
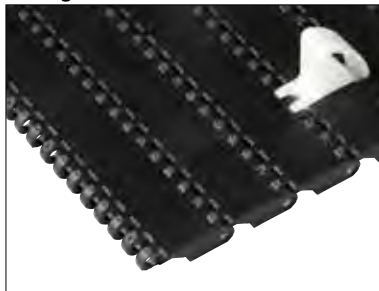
Thread

The thread inserts allow for easy attachment of fixturers to the belt. Available insert size M5.

Depending on the size and shape of the attachment, attention should be paid as to how it will influence on the backflex radius of the belt.

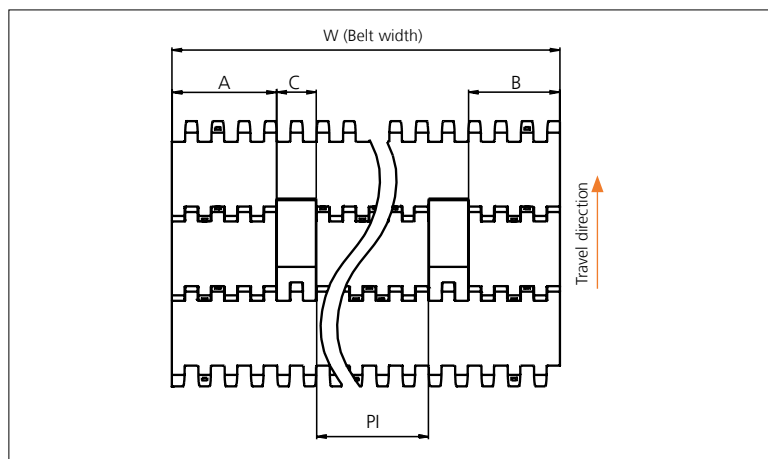
Accessories

AmFlight



Type	Material & color	H		H ¹		H ²	
		mm	in	mm	in	mm	in
Pull	PE W	56.2	1.21	45.0	1.77	45.6	1.80

Other Non Standard option: See uni AmFlight Overview.



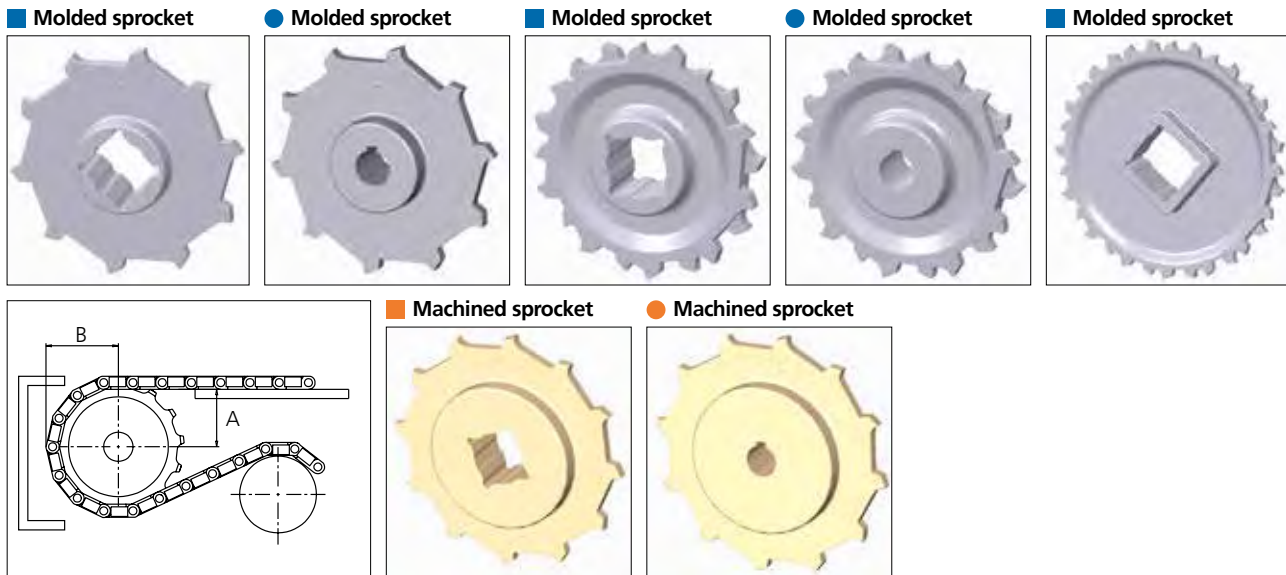
	mm	in
A min	67.7	2.67
B min	59.3	2.33
C	24.0	0.94
PI max	W - 175.0	W - 6.89
PI min	43.2	1.70

Increment: 17.0 mm (0.70 in.)

Sprocket

No of teeth	Bore size												Overall diameter		Pitch-diameter		Hub-diameter		A-dimension		B-dimension		Single row/One way	Double row/Two way	Molded PAG LG	Machined PAG N
	Pilot bore	in	0.75	0.78	0.98	1.00	1.18	1.25	1.50	1.57	2.36	2.50														
	mm	19.1	20.0	25.0	25.4	30.0	31.8	38.1	40.0	60.0	63.5	90.0	mm	in	mm	in	mm	in	mm	in						
Z06	x				●	●	●	■	■			99.5	3.92	101.6	4.00	65.0	2.56	36.0	1.42	59.3	2.33	x		x		
Z08	x				●	●	●	■	■			132.9	5.23	132.8	5.23	65.0	2.56	53.3	2.10	74.9	2.95	x		x		
Z10	x					●	●	■	■			166.3	6.55	164.4	6.47	65.0	2.56	70.2	2.76	90.7	3.57	x	x	x		
Z10										■	■	166.3	6.55	164.4	6.47	120.0	4.72	70.2	2.76	90.7	3.57	x	x	x		
Z12	x					●	●	■	■	■	■	198.6	7.82	196.3	7.73	120.0	4.72	86.8	3.42	106.6	4.20	x	x	x		
Z16	x					●	●	■	■	■	■	263.8	10.39	260.4	10.25	160.0	5.90	119.7	4.71	138.7	5.46		x	x		
Z16	x					●	●	■	■	■	■	263.8	10.39	260.4	10.25	150.0	5.90	119.7	4.71	138.7	5.46	x			x	

Non standard material and color: See uni Material and Color Overview.



Other sprocket sizes are available upon request.

Two-part sprocket are available upon request.

Round bores are always delivered with keyway.

Other bore sizes are available upon request.

uni Retainer Rings: See uni Retainer Ring data sheet

Width of sprocket = Single row: 42.3 mm (1.66 in)

Double row: 50.0 mm (1.96 in)

Width of tooth = Single row: 9.5 mm (0.37 in)

Double row: 17.0 mm (0.66 in)

Max load per sprocket shown does not take bore size into account.

Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni CPB.

For more detailed sprocket information, contact Customer Service.



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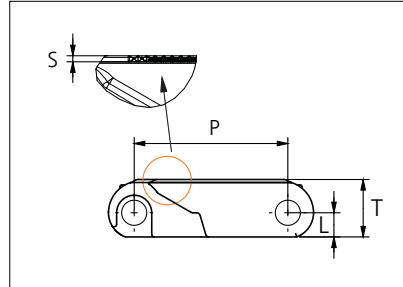
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Plastic Modular Belt

Series **uni CPB** Type **Rough Embedded**



Straight running belt
 Nominal pitch: 50.8 mm (2.00 in)
 Surface type: Rough Embedded
 Surface opening: 0%
 Backflex radius: 85.0 mm (3.30 in)
 Pin diameter: 8.0 mm (0.31 in)

Belt material & color	POM-DI UV O W	mm	in	S	mm	in
	PP UV W					
Pin and lock material & color	PBT-GR N	mm	in	T	mm	in
	PA6.6 N					

Non standard material and color: See uni Material and Color Overview.

Belt width		Permissible tensile force (Belt/pin material)				Belt weight (Belt/pin material)				*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-DI UV/PBT-GR		PP UV/PBT-GR		POM-DI UV/PBT-GR		PP UV/PBT-GR			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft			
151	5.9	7852	1765	5285	1188	2.5	1.68	1.7	1.13	2	2	2
202	8.0	10504	2361	7070	1589	3.4	2.25	2.2	1.51	2	2	2
252	9.9	13104	2946	8820	1983	4.2	2.81	2.8	1.88	2	2	2
302	11.9	15704	3530	10570	2376	5.0	3.37	3.4	2.25	3	3	2
352	13.9	18304	4115	12320	2770	5.8	3.93	3.9	2.63	3	3	2
403	15.9	20956	4711	14105	3171	6.7	4.50	4.5	3.01	3	3	2
453	17.8	23556	5295	15855	3564	7.5	5.05	5.0	3.38	4	4	2
503	19.8	26156	5880	17605	3958	8.3	5.61	5.6	3.75	4	4	2
553	21.8	28756	6464	19355	4351	9.2	6.17	6.1	4.13	4	4	2
604	23.8	31408	7061	21140	4752	10.0	6.74	6.7	4.51	5	5	3
654	25.7	34008	7645	22890	5146	10.9	7.30	7.3	4.88	5	5	3
704	27.7	36608	8229	24640	5539	11.7	7.85	7.8	5.25	5	5	3
754	29.7	39208	8814	26390	5932	12.5	8.41	8.4	5.62	6	6	3

Additional standard belt widths are available in steps of 50.3 mm (1.98 in). Additional non-standard belt widths are available in steps of 16.8 mm (0.66 in)

1961	77.2	101972	22923	68635	15429	32.6	21.88	21.8	14.63	14	14	7
------	------	--------	-------	-------	-------	------	-------	------	-------	----	----	---

Additional standard belt widths are available in steps of 50.3 mm (1.98 in). Additional non-standard belt widths are available in steps of 16.8 mm (0.66 in)

2966	116.8	154232	34671	103810	23336	49.2	33.09	32.9	22.13	20	20	10
------	-------	--------	-------	--------	-------	------	-------	------	-------	----	----	----

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.

*Max. Load per Drive Sprocket. Belt material: POM-NLAS 2500 N (560 lbf), POM-NL 2500 N (560 lbf), PP 2500 N (560 lbf).

**Max. Spacing between wear strips, Carry: 152 mm (6 in); Return: 304 mm (12 in).

= Single Link



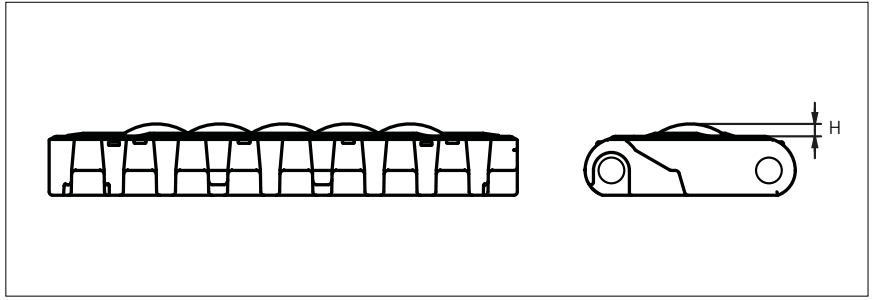
STANDARD

STRAIGHT RUNNING

PITCH 50.8 MM/2.00 IN

Accessories

Rubber Top

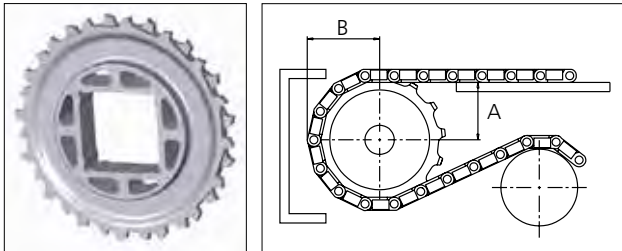


Type	Belt material & color	Rubber material & color	H		Link size	Width	
			mm	in		mm	in
Dome	PPI/UV W	03K K	4.0	0.16	K600	150.5	5.93

Sprocket

No of teeth	Bore size					Overall diameter		Pitch-diameter		Hub-diameter		A-dimension		B-dimension		Single row/One way	Double row/Two way	Molded PA6 LG	Machined PA6 N
	in	1.57	2.36	2.50	3.54														
	mm	40.0	60.0	63.5	90.0	mm	in	mm	in	mm	in	mm	in	mm	in				
Z16			■		■	263.8	10.39	260.4	10.25	160	6.29	119.7	4.71	138.7	5.46		x	x	

■ Molded sprocket



Non standard material and color: See uni Material and Color Overview.

Other sprocket sizes are available upon request.
 Two-part sprocket are available upon request.
 Round bores are always delivered with keyway.
 Other bore sizes are available upon request.
 uni Retainer Rings: See uni Retainer Ring data sheet.
 Width of tooth = 9.5 mm (0.37 in)
 Width of sprocket = 40.8.0 mm (1.60 in)

Max load per sprocket shown does not take bore size into account.
 Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni CPB.
 For more detailed sprocket information, contact Customer Service.

uni CPB Rough Embedded/1409



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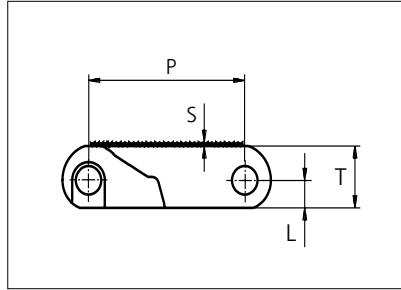
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Plastic Modular Belt

Series **uni CPB** Type **20% Rough**



Straight running belt
 Nominal pitch: 50.8 mm (2.00 in)
 Surface type: Rough Top
 Surface opening: 20%
 Backflex radius: 85.0 mm (3.30 in)
 Pin diameter: \varnothing 8.0 mm (0.31 in)

Belt material & color	POM-NLAS K	POM-NL K	mm	in	mm	in		
			P (Nominal)	50.8	2.00	S	1.0	0.04
Pin material & color	PA6.6 N		L	8.0	0.31	T	18.0	0.71

Non standard material and color: See uni Material and Color Overview.

Alternative pin and lock materials: Lockpin: PBT **LG**

Belt width		Permissible tensile force (Belt/pin material)		Belt weight (Belt/pin material)		*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-NLAS / PA6.6 POM-NL / PA6.6		POM-NLAS / PA6.6 POM-NL / PA6.6			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	kg/m	lb/ft			
151	5.9	7852	1765	2.5	1.68	2	2	2
202	8.0	10504	2361	3.4	2.25	2	2	2
252	9.9	13104	2946	4.2	2.81	2	2	2
302	11.9	15704	3530	5.0	3.37	3	3	2
352	13.9	18304	4115	5.8	3.93	3	3	2
403	15.9	20956	4711	6.7	4.50	3	3	2
453	17.8	23556	5295	7.5	5.05	4	4	2
503	19.8	26156	5880	8.3	5.61	4	4	2
553	21.8	28756	6464	9.2	6.17	4	4	2
604	23.8	31408	7061	10.0	6.74	5	5	3
654	25.7	34008	7645	10.9	7.30	5	5	3
704	27.7	36608	8229	11.7	7.85	5	5	3
754	29.7	39208	8814	12.5	8.41	6	6	3

Additional standard belt widths are available in steps of 50.3 mm (1.98 in.) Additional non-standard belt widths are available in steps of mm 16.8 (0.66 in.)

1961	77.2	101972	22923	32.6	21.88	14	14	7
------	------	--------	-------	------	-------	----	----	---

Additional standard belt widths are available in steps of 50.3 mm (1.98 in.) Additional non-standard belt widths are available in steps of mm 16.8 (0.66 in.)

2966	116.8	154232	34671	49.2	33.09	20	20	10
------	-------	--------	-------	------	-------	----	----	----

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.

*Max. Load per Drive Sprocket. Belt material: POM-NLAS 2500 N (560 lbf), POM-NL 2500 N (560 lbf), PP 2500 N (560 lbf)

**Max. Spacing between wear strips, Carry: 152 mm (6 in.); Return: 304 mm (12 in.)



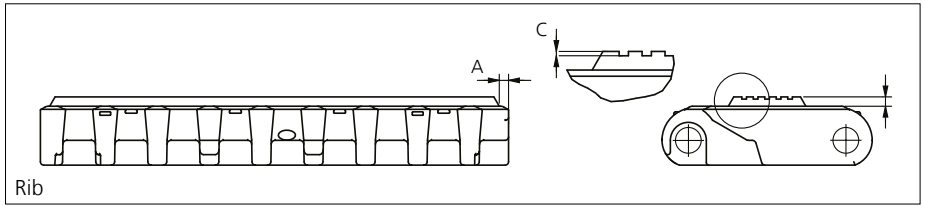
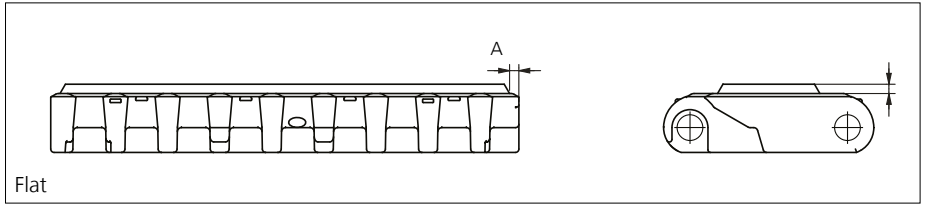
STANDARD

STRAIGHT RUNNING

PITCH 50.8 MM/2.00 IN

Accessories

Rubber Top

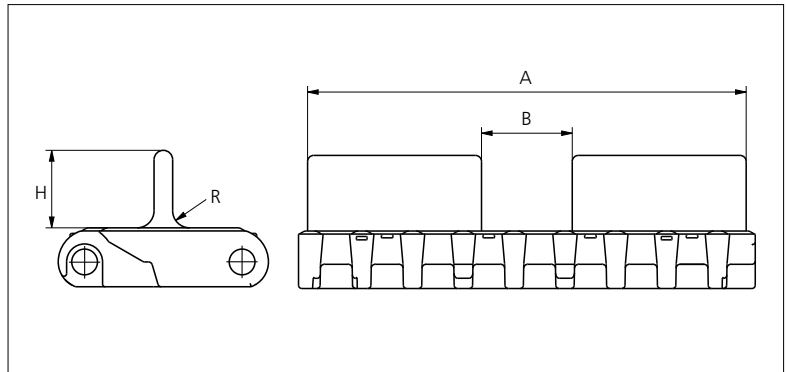
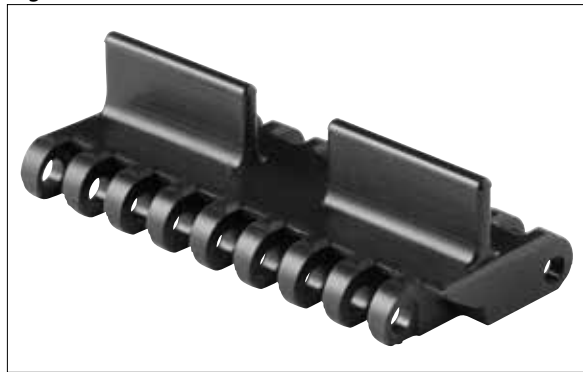


Type	Belt material & color	Rubber material & color	A		B		C		Link size	Width	
			mm	in	mm	in	mm	in		mm	in
Flat	POM-NL K	09 K	2.5	0.09	3.0	0.12	0.7	0.02	K600	150.5	5.93
Rib											

The color of standard rubber material is black. However, as it is hardly possible to see black rubber on black links, the links are illustrated with rubber in color natural. Other Non Standard Rubber profiles: See uni Rubber Profile Overview.

Accessories

Flight



Type	Material & color	H		R		A		B		Link size	Width		Indent	
		mm	in	mm	in	mm	in	mm	in		mm	in	mm	in
Flat	POM-NLAS K	25.0	0.98	5.5	0.22	145.0	5.70	30.0	1.18	K600	150.5	5.93	2.8	0.11

Non Standard material and color: See uni Material and Color Overview.

Accessories

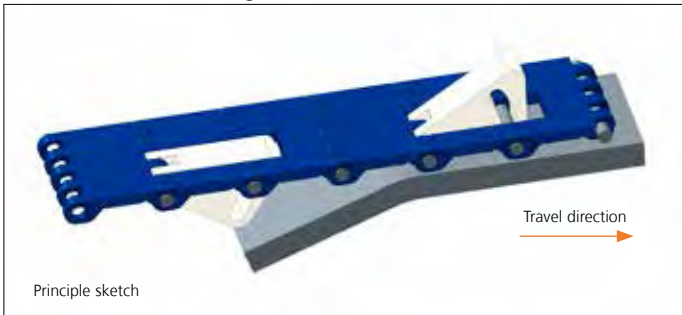
Top/Bottom Insert NON STANDARD



The thread inserts allow for easy attachment of fixturers to the belt.
 Available insert size M5.
 Depending on the size and shape of the attachment, attention should be paid as to how it will influence on the backflex radius of the belt.

Accessories

Non Standard uni AmFlight

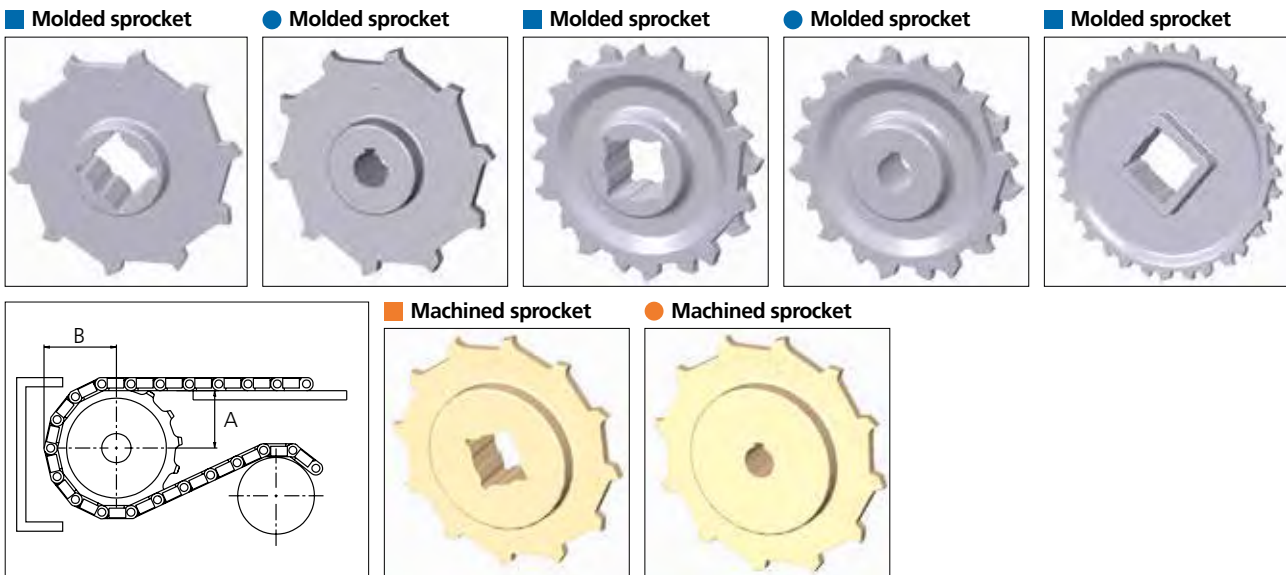


Other Non Standard option: See uni AmFlight Overview.

Sprocket

No of teeth	Bore size													Overall diameter		Pitch-diameter		Hub-diameter		A-dimension		B-dimension		Single row/One way	Double row/Two way	Molded PAG LG	Machined PAG N
	Pilot bore	in	0.75	0.78	0.98	1.00	1.18	1.25	1.50	1.57	2.36	2.50	3.54														
	mm	19.1	20.0	25.0	25.4	30.0	31.8	38.1	40.0	60.0	63.5	90.0	mm	in	mm	in	mm	in	mm	in							
Z06	x				●	●	●	■	■				99.5	3.92	101.6	4.00	65.0	2.56	36.0	1.42	59.3	2.33	x		x		
Z08	x				●	●	●	■	■				132.9	5.23	132.8	5.23	65.0	2.56	53.3	2.10	74.9	2.95	x		x		
Z10	x				●	●	●	■	■				166.3	6.55	164.4	6.47	65.0	2.56	70.2	2.76	90.7	3.57	x	x	x		
Z10										■	■		166.3	6.55	164.4	6.47	120.0	4.72	70.2	2.76	90.7	3.57	x	x	x		
Z12	x				●	●	●	■	■	■	■		198.6	7.82	196.3	7.73	120.0	4.72	86.8	3.42	106.6	4.20	x	x	x		
Z16	x				●	●	●	■	■	■	■		263.8	10.39	260.4	10.25	160.0	5.90	119.7	4.71	138.7	5.46		x	x		
Z16	x				●	●	●	■	■	■	■		263.8	10.39	260.4	10.25	150.0	5.90	119.7	4.71	138.7	5.46	x			x	

Non standard material and color: See uni Material and Color Overview.



Other sprocket sizes are available upon request.
 Two-part sprocket are available upon request.
 Round bores are always delivered with keyway.
 Other bore sizes are available upon request.
 uni Retainer Rings: See uni Retainer Ring data sheet
 Width of sprocket = Single row: 42.3 mm (1.66 in)
 Double row: 50.0 mm (1.96 in)
 Width of tooth = Single row: 9.5 mm (0.37 in)
 Double row: 17.0 mm (0.66 in)

Max load per sprocket shown does not take bore size into account.
 Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni CPB.
 For more detailed sprocket information, contact Customer Service.



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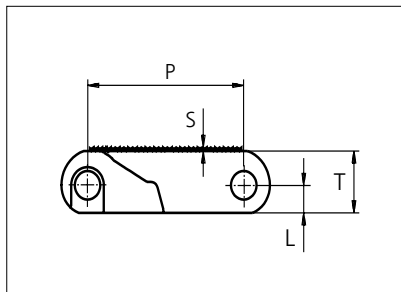
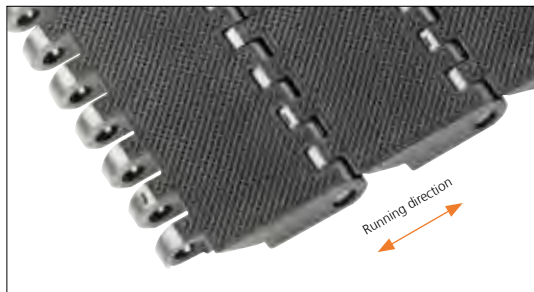
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Plastic Modular Belt

Series **uni CPB** Type **Rough**



Straight running belt
 Nominal pitch: 50.8 mm (2.00 in)
 Surface type: Rough Top
 Surface opening: Closed
 Backflex radius: 85.0 mm (3.30 in)
 Pin diameter: \varnothing 8.0 mm (0.31 in)

Belt material & color	POM-NLAS K	POM-NL K	mm	in	mm	in		
			P (Nominal)	50.8	2.00	S	1.0	0.04
Pin material & color	PA6.6 N		L	8.0	0.31	T	18.0	0.71

Non standard material and color: See uni Material and Color Overview.

Alternative pin and lock materials: Lockpin: PBT **LG**

Belt width		Permissible tensile force (Belt/pin material)		Belt weight (Belt/pin material)		*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-NLAS / PA6.6 POM-NL / PA6.6		POM-NLAS / PA6.6 POM-NL / PA6.6			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	kg/m	lb/ft			
151	5.9	7852	1765	2.5	1.68	2	2	2
202	8.0	10504	2361	3.4	2.25	2	2	2
252	9.9	13104	2946	4.2	2.81	2	2	2
302	11.9	15704	3530	5.0	3.37	3	3	2
352	13.9	18304	4115	5.8	3.93	3	3	2
403	15.9	20956	4711	6.7	4.50	3	3	2
453	17.8	23556	5295	7.5	5.05	4	4	2
503	19.8	26156	5880	8.3	5.61	4	4	2
553	21.8	28756	6464	9.2	6.17	4	4	2
604	23.8	31408	7061	10.0	6.74	5	5	3
654	25.7	34008	7645	10.9	7.30	5	5	3
704	27.7	36608	8229	11.7	7.85	5	5	3
754	29.7	39208	8814	12.5	8.41	6	6	3

Additional standard belt widths are available in steps of 50.3 mm (1.98 in.) Additional non-standard belt widths are available in steps of mm 16.8 (0.66 in.)

1961	77.2	101972	22923	32.6	21.88	14	14	7
------	------	--------	-------	------	-------	----	----	---

Additional standard belt widths are available in steps of 50.3 mm (1.98 in.) Additional non-standard belt widths are available in steps of mm 16.8 (0.66 in.)

2966	116.8	154232	34671	49.2	33.09	20	20	10
------	-------	--------	-------	------	-------	----	----	----

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.

*Max. Load per Drive Sprocket. Belt material: POM-NLAS 2500 N (560 lbf), POM-NL 2500 N (560 lbf), PP 2500 N (560 lbf)

**Max. Spacing between wear strips, Carry: 152 mm (6 in); Return: 304 mm (12 in)

= Single Link



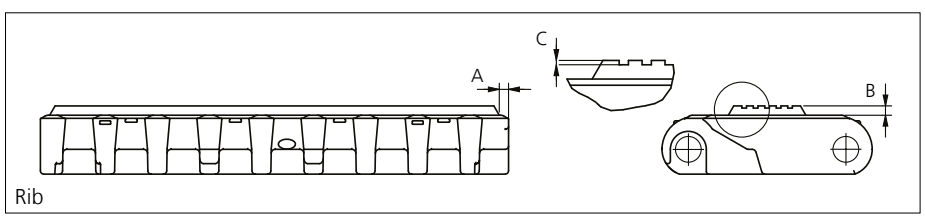
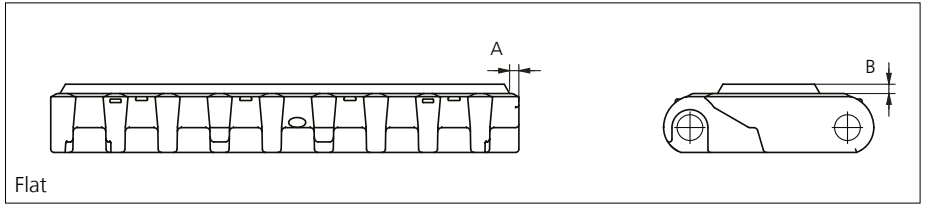
STANDARD

STRAIGHT RUNNING

PITCH 50.8 MM/2.00 IN

Accessories

Rubber Top

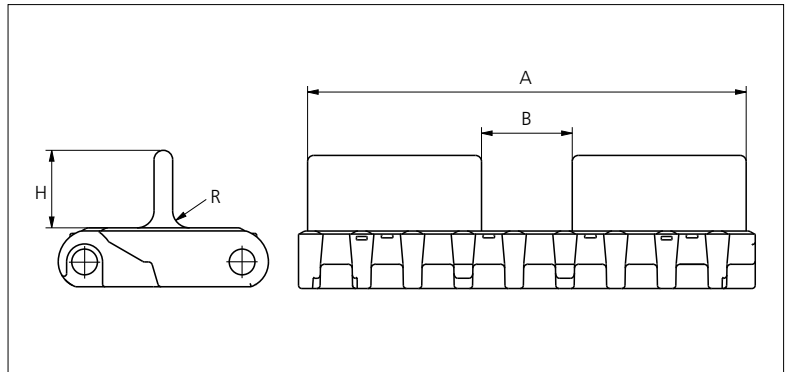
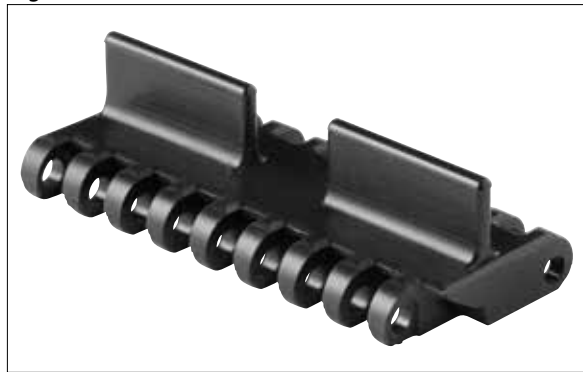


Type	Belt material & color	Rubber material & color	A		B		C		Link size	Width	
			mm	in	mm	in	mm	in		mm	in
Flat	POM-NL K	09 K	2.5	0.09	3.0	0.12	0.7	0.02	K600	150.5	5.93
Rib											

The color of standard rubber material is black. However, as it is hardly possible to see black rubber on black links, the links are illustrated with rubber in color natural. Other Non Standard Rubber profiles: See uni Rubber Profile Overview.

Accessories

Flight



Type	Material & color	H		R		A		B		Link size	Width		Indent	
		mm	in	mm	in	mm	in	mm	in		mm	in	mm	in
Flat	POM-NLAS K	25.0	0.98	5.5	0.22	145.0	5.70	30.0	1.18	K600	150.5	5.93	2.8	0.11

Non Standard material and color: See uni Material and Color Overview.

Accessories

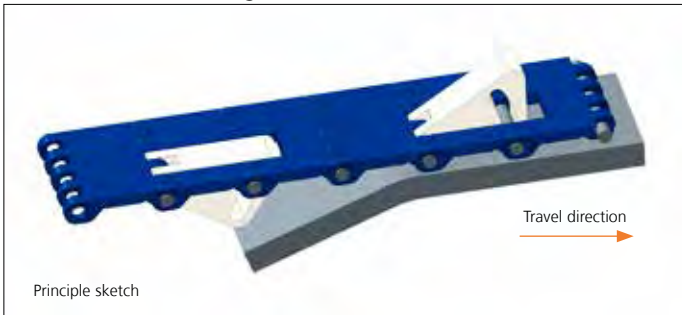
Top/Bottom Insert NON STANDARD



The thread inserts allow for easy attachment of fixturers to the belt.
 Available insert size M5.
 Depending on the size and shape of the attachment, attention should be paid as to how it will influence on the backflex radius of the belt.

Accessories

Non Standard uni AmFlight

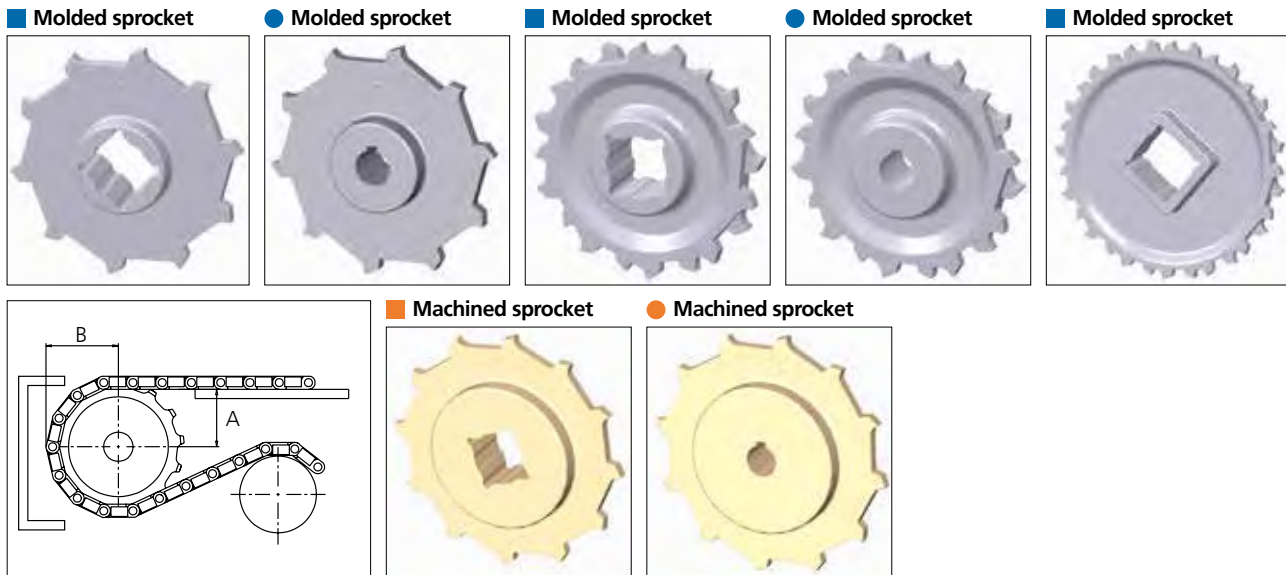


Other Non Standard option: See uni AmFlight Overview.

Sprocket

No of teeth	Bore size												Overall diameter		Pitch-diameter		Hub-diameter		A-dimension		B-dimension		Single row/One way	Double row/Two way	Molded PAG LG	Machined PAG N
	Pilot bore	in	0.75	0.78	0.98	1.00	1.18	1.25	1.50	1.57	2.36	2.50														
	mm	19.1	20.0	25.0	25.4	30.0	31.8	38.1	40.0	60.0	63.5	90.0	mm	in	mm	in	mm	in	mm	in						
Z06	x				●	●	●	■	■			99.5	3.92	101.6	4.00	65.0	2.56	36.0	1.42	59.3	2.33	x		x		
Z08	x				●	●	●	■	■			132.9	5.23	132.8	5.23	65.0	2.56	53.3	2.10	74.9	2.95	x		x		
Z10	x					●	●	■	■			166.3	6.55	164.4	6.47	65.0	2.56	70.2	2.76	90.7	3.57	x	x	x		
Z10										■	■	166.3	6.55	164.4	6.47	120.0	4.72	70.2	2.76	90.7	3.57	x	x	x		
Z12	x					●	●	■	■	■	■	198.6	7.82	196.3	7.73	120.0	4.72	86.8	3.42	106.6	4.20	x	x	x		
Z16	x					●	●	■	■	■	■	263.8	10.39	260.4	10.25	160.0	5.90	119.7	4.71	138.7	5.46		x	x		
Z16	x					●	●	■	■	■	■	263.8	10.39	260.4	10.25	150.0	5.90	119.7	4.71	138.7	5.46	x			x	

Non standard material and color: See uni Material and Color Overview.



Other sprocket sizes are available upon request.

Two-part sprocket are available upon request.

Round bores are always delivered with keyway.

Other bore sizes are available upon request.

uni Retainer Rings: See uni Retainer Ring data sheet

Width of sprocket = Single row: 42.3 mm (1.66 in)

Double row: 50.0 mm (1.96 in)

Width of tooth = Single row: 9.5 mm (0.37 in)

Double row: 17.0 mm (0.66 in)

Max load per sprocket shown does not take bore size into account.

Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni CPB.

For more detailed sprocket information, contact Customer Service.



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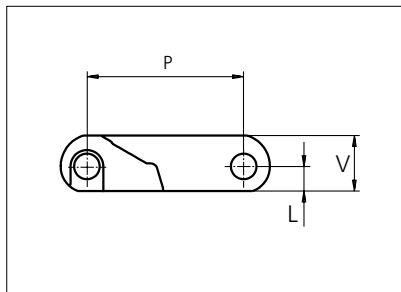
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Plastic Modular Belt

Series **uni CPB** Type **M2 C**



Straight running belt
 Nominal pitch: 50.8 mm (2.00 in)
 Surface type: Flat
 Surface opening: Closed
 Backflex radius: 85.0 mm (3.30 in)
 Pin diameter: ø8.0 mm (0.31 in)

Recommended Belt material & color	POM-NLAS K		mm	in		mm	in
		P (Nominal)	50.8	2.00	V	19.0	0.75
Recommended Pin material & color	PA6.6 N	L	8.0	0.31	-	-	-

Non standard material and color: See uni Material and Color Overview.

Alternative pin and lock materials: Lockpin: PBT **LG** SS420

Belt width		Permissible tensile force (Belt/pin material)				Belt weight (Belt/pin material)				*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-NLAS / PA6.6 POM-NL / PA6.6		PP/PA6.6		POM-NLAS / PA6.6 POM-NL / PA6.6		PP/PA6.6			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft			
151	5.9	7852	1765	5285	1188	2.5	1.68	1.7	1.13	2	2	2
202	8.0	10504	2361	7070	1589	3.4	2.25	2.2	1.51	2	2	2
252	9.9	13104	2946	8820	1983	4.2	2.81	2.8	1.88	2	2	2
302	11.9	15704	3530	10570	2376	5.0	3.37	3.4	2.25	3	3	2
352	13.9	18304	4115	12320	2770	5.8	3.93	3.9	2.63	3	3	2
403	15.9	20956	4711	14105	3171	6.7	4.50	4.5	3.01	3	3	2
453	17.8	23556	5295	15855	3564	7.5	5.05	5.0	3.38	4	4	2
503	19.8	26156	5880	17605	3958	8.3	5.61	5.6	3.75	4	4	2
553	21.8	28756	6464	19355	4351	9.2	6.17	6.1	4.13	4	4	2
604	23.8	31408	7061	21140	4752	10.0	6.74	6.7	4.51	5	5	3
654	25.7	34008	7645	22890	5146	10.9	7.30	7.3	4.88	5	5	3
704	27.7	36608	8229	24640	5539	11.7	7.85	7.8	5.25	5	5	3
754	29.7	39208	8814	26390	5932	12.5	8.41	8.4	5.62	6	6	3

Additional standard belt widths are available in steps of 50.3 mm (1.98 in.) Additional non-standard belt widths are available in steps of mm 16.8 (0.66 in.)

1961	77.2	101972	22923	68635	15429	32.6	21.88	21.8	14.63	14	14	7
------	------	--------	-------	-------	-------	------	-------	------	-------	----	----	---

Additional standard belt widths are available in steps of 50.3 mm (1.98 in.) Additional non-standard belt widths are available in steps of mm 16.8 (0.66 in.)

2966	116.8	154232	34671	103810	23336	49.2	33.09	32.9	22.13	20	20	10
------	-------	--------	-------	--------	-------	------	-------	------	-------	----	----	----

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.

*Max. Load per Drive Sprocket. Belt material: POM-NLAS 2500 N (560 lbf). POM-NL 2500 N (560 lbf). PP 2500 N (560 lbf)

**Max. Spacing between wear strips. Carry: 152 mm (6 in); Return: 304 mm (12 in)

= Single Link



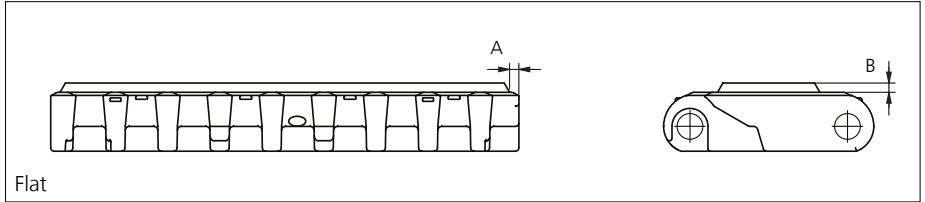
NON STANDARD

STRAIGHT RUNNING

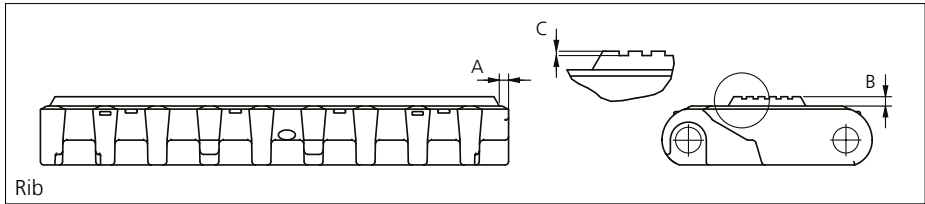
PITCH 50.8 MM/2.00 IN

Accessories

Rubber Top



Flat



Rib

Type	Belt material & color	Rubber material & color	A		B		C		Link size	Width	
			mm	in	mm	in	mm	in		mm	in
Flat	POM-NL K	09 K	2.5	0.09	3.0	0.12	0.7	0.02	K600	150.5	5.93
Rib											

The color of standard rubber material is black. However, as it is hardly possible to see black rubber on black links, the links are illustrated with rubber in color natural. Other Non Standard Rubber profiles: See uni Rubber Profile Overview.

Accessories

Top/Bottom Insert



Thread

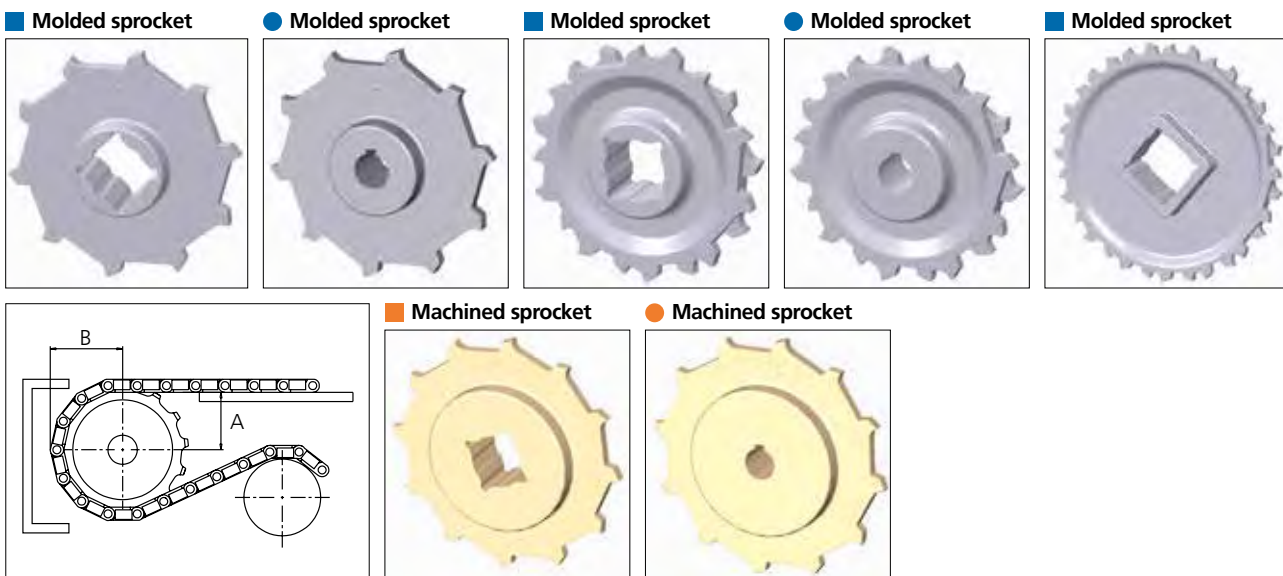
The thread inserts allow for easy attachment of fixturers to the belt. Available insert size M5.

Depending on the size and shape of the attachment, attention should be paid as to how it will influence on the backflex radius of the belt.

Sprocket

No of teeth	Bore size														Overall diameter		Pitch-diameter		Hub-diameter		A-dimension		B-dimension		Single row/One way	Double row/Two way	Material	
	Pilot bore	mm	in	0.75	0.78	0.98	1.00	1.18	1.25	1.50	1.57	2.36	2.50	3.54													mm	in
															PAG	LG												
Z06	x						●	●	●	■	■				99.5	3.92	101.6	4.00	65.0	2.56	36.0	1.42	59.3	2.33	x		x	
Z08	x						●	●	●	■	■				132.9	5.23	132.8	5.23	65.0	2.56	53.3	2.10	74.9	2.95	x		x	
Z10	x						●	●	■	■					166.3	6.55	164.4	6.47	65.0	2.56	70.2	2.76	90.7	3.57	x	x	x	
Z10											■	■			166.3	6.55	164.4	6.47	120.0	4.72	70.2	2.76	90.7	3.57	x	x	x	
Z12	x						●	●	■	■	■	■			198.6	7.82	196.3	7.73	120.0	4.72	86.8	3.42	106.6	4.20	x	x	x	
Z16	x						●	●	■	■	■	■			263.8	10.39	260.4	10.25	160.0	5.90	119.7	4.71	138.7	5.46		x	x	
Z16	x						●	●	■	■	■	■			263.8	10.39	260.4	10.25	150.0	5.90	119.7	4.71	138.7	5.46	x			x

Non standard material and color: See uni Material and Color Overview.



Other sprocket sizes are available upon request.
 Two-part sprocket are available upon request.
 Round bores are always delivered with keyway.
 Other bore sizes are available upon request.
 uni Retainer Rings: See uni Retainer Ring data sheet
 Width of sprocket = Single row: 42.3 mm (1.66 in)
 Double row: 50.0 mm (1.96 in)
 Width of tooth = Single row: 9.5 mm (0.37 in)
 Double row: 17.0 mm (0.66 in)

Max load per sprocket shown does not take bore size into account.
 Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni CPB.
 For more detailed sprocket information. contact Customer Service.



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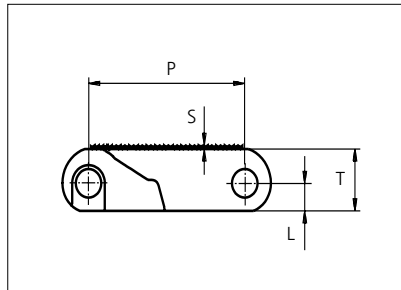
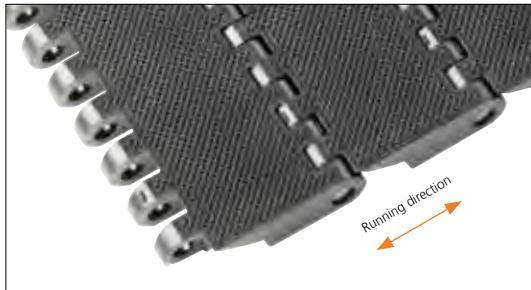
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Plastic Modular Belt

Series **uni CPB** Type **M2 Rough**



Straight running belt
 Nominal pitch: 50.8 mm (2.00 in)
 Surface type: Rough Top
 Surface opening: Closed
 Backflex radius: 85.0 mm (3.30 in)
 Pin diameter: \varnothing 8.0 mm (0.31 in)

Recommended Belt material & color	POM-NLAS K	mm	in		mm	in
		P (Nominal)	50.8	2.00	S	1.0
Recommended Pin material & color	PA6.6 N					
		L	8.0	0.31	T	19.0

Non standard material and color: See uni Material and Color Overview.

Alternative pin and lock materials: Lockpin: PBT **LG** SS420

Belt width		Permissible tensile force (Belt/pin material)				Belt weight (Belt/pin material)				*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-NLAS / PA6.6 POM-NL / PA6.6		PP/PA6.6		POM-NLAS / PA6.6 POM-NL / PA6.6		PP/PA6.6			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft			
151	5.9	7852	1765	5285	1188	2.5	1.68	1.7	1.13	2	2	2
202	8.0	10504	2361	7070	1589	3.4	2.25	2.2	1.51	2	2	2
252	9.9	13104	2946	8820	1983	4.2	2.81	2.8	1.88	2	2	2
302	11.9	15704	3530	10570	2376	5.0	3.37	3.4	2.25	3	3	2
352	13.9	18304	4115	12320	2770	5.8	3.93	3.9	2.63	3	3	2
403	15.9	20956	4711	14105	3171	6.7	4.50	4.5	3.01	3	3	2
453	17.8	23556	5295	15855	3564	7.5	5.05	5.0	3.38	4	4	2
503	19.8	26156	5880	17605	3958	8.3	5.61	5.6	3.75	4	4	2
553	21.8	28756	6464	19355	4351	9.2	6.17	6.1	4.13	4	4	2
604	23.8	31408	7061	21140	4752	10.0	6.74	6.7	4.51	5	5	3
654	25.7	34008	7645	22890	5146	10.9	7.30	7.3	4.88	5	5	3
704	27.7	36608	8229	24640	5539	11.7	7.85	7.8	5.25	5	5	3
754	29.7	39208	8814	26390	5932	12.5	8.41	8.4	5.62	6	6	3

Additional standard belt widths are available in steps of 50.3 mm (1.98 in.) Additional non-standard belt widths are available in steps of mm 16.8 (0.66 in.)

1961	77.2	101972	22923	68635	15429	32.6	21.88	21.8	14.63	14	14	7
------	------	--------	-------	-------	-------	------	-------	------	-------	----	----	---

Additional standard belt widths are available in steps of 50.3 mm (1.98 in.) Additional non-standard belt widths are available in steps of mm 16.8 (0.66 in.)

2966	116.8	154232	34671	103810	23336	49.2	33.09	32.9	22.13	20	20	10
------	-------	--------	-------	--------	-------	------	-------	------	-------	----	----	----

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.

*Max. Load per Drive Sprocket. Belt material: POM-NLAS 2500 N (560 lbf), POM-NL 2500 N (560 lbf), PP 2500 N (560 lbf)

**Max. Spacing between wear strips, Carry: 152 mm (6 in.); Return: 304 mm (12 in.)



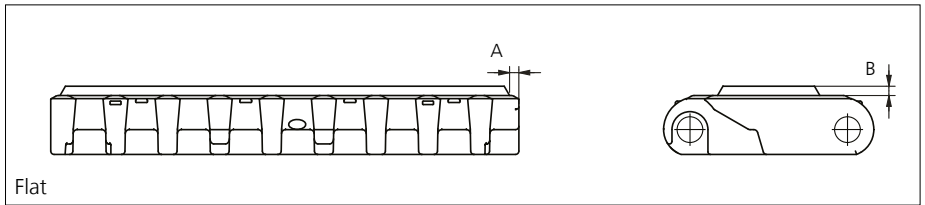
NON STANDARD

STRAIGHT RUNNING

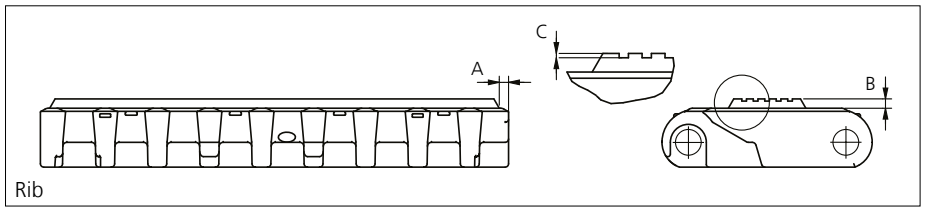
PITCH 50.8 MM/2.00 IN

Accessories

Rubber Top



Flat



Rib

Type	Belt material & color	Rubber material & color	A		B		C		Link size	Width	
			mm	in	mm	in	mm	in		mm	in
Flat	POM-NL K	09 K	2.5	0.09	3.0	0.12	0.7	0.02	K600	150.5	5.93
Rib											

The color of standard rubber material is black. However, as it is hardly possible to see black rubber on black links, the links are illustrated with rubber in color natural. Other Non Standard Rubber profiles: See uni Rubber Profile Overview.

Accessories

Top/Bottom Insert



Thread

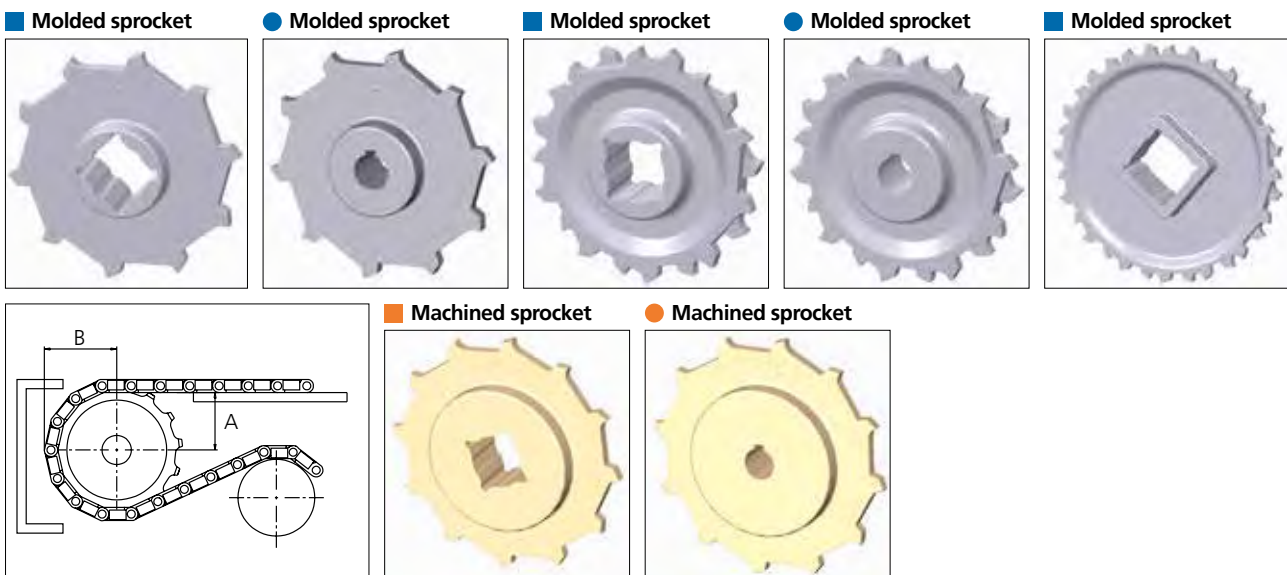
The thread inserts allow for easy attachment of fixturers to the belt.
Available insert size M5.

Depending on the size and shape of the attachment, attention should be paid as to how it will influence on the backflex radius of the belt.

Sprocket

No of teeth	Bore size													Overall diameter		Pitch-diameter		Hub-diameter		A-dimension		B-dimension		Single row/One way	Double row/Two way	Molded	Machined
	Pilot bore	in		0.75		0.78		0.98		1.00		1.18															
	mm	mm	19.1	20.0	25.0	25.4	30.0	31.8	38.1	40.0	60.0	63.5	90.0	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in		
Z06	x					●	●	●	■	■			99.5	3.92	101.6	4.00	65.0	2.56	36.0	1.42	59.3	2.33	x		x		
Z08	x					●	●	●	■	■			132.9	5.23	132.8	5.23	65.0	2.56	53.3	2.10	74.9	2.95	x		x		
Z10	x					●	●	●	■	■			166.3	6.55	164.4	6.47	65.0	2.56	70.2	2.76	90.7	3.57	x	x	x		
Z10										■	■		166.3	6.55	164.4	6.47	120.0	4.72	70.2	2.76	90.7	3.57	x	x	x		
Z12	x					●	●	●	■	■	■	■	198.6	7.82	196.3	7.73	120.0	4.72	86.8	3.42	106.6	4.20	x	x	x		
Z16	x					●	●	●	■	■	■	■	263.8	10.39	260.4	10.25	160.0	5.90	119.7	4.71	138.7	5.46		x	x		
Z16	x					●	●	●	■	■	■	■	263.8	10.39	260.4	10.25	150.0	5.90	119.7	4.71	138.7	5.46	x			x	

Non standard material and color: See uni Material and Color Overview.



Other sprocket sizes are available upon request.

Two-part sprocket are available upon request.

Round bores are always delivered with keyway.

Other bore sizes are available upon request.

uni Retainer Rings: See uni Retainer Ring data sheet

Width of sprocket = Single row: 42.3 mm (1.66 in)

Double row: 50.0 mm (1.96 in)

Width of tooth = Single row: 9.5 mm (0.37 in)

Double row: 17.0 mm (0.66 in)

Max load per sprocket shown does not take bore size into account.

Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni CPB.

For more detailed sprocket information, contact Customer Service.



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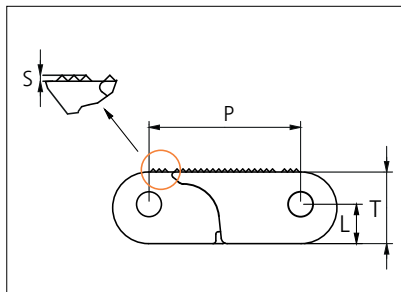
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Plastic Modular Belt

Series **uni CSB** Type **8% Rough**



Straight running belt
 Nominal pitch: 50.8 mm (2.00 in)
 Surface type: Rough (R11)
 Surface opening: 8%
 Backflex radius: 100 mm (3.94 in)
 Pin diameter: 8.0 mm (0.31 in)

Belt material & color	POM NLAS K	POX FR EG	PP DG	mm	in	mm	in		
Pin and lock material & color	PA6.6 N PP O			P (Nominal)	50.8	2.00	T	24.0	0.94
				L	13.2	0.52	S	1.0	0.04

Non standard material and color: See uni Material and Color Overview.
 Safety edges with orange or yellow edge links mounted on alternating pitches along both belt edges are optional.

Alternative pin and lock material: SS420 PA6.6 **N**

Belt width		Permissible tensile force (Belt/pin material)								***Belt weight (Belt/pin material)				Min No drive sprocket per shaft	Number of wear strips (min no)	
		POM NLAS/PA66 POX-FR/PA66		POM NLAS/SS POX-FR/SS		PP/PA66		PP/SS		POM NLAS/PA66		PP/PA66			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	N	lbf	N	lbf	N	lbf	Kg/m	lb/ft	Kg/m	lb/ft			
153	6.0	13725	3085	15250	3428	7625	1714	7625	1714	2.9	1.92	1.8	1.24	2	2	2
305	12.0	27450	6171	30500	6856	15250	3428	15250	3428	5.7	3.83	3.7	2.48	3	3	2
458	18.0	41177	9257	45753	10285	22876	5143	22876	5143	8.6	5.75	5.5	3.72	4	4	2
610	24.0	54905	12343	61005	13714	30503	6857	30503	6857	11.4	7.67	7.4	4.96	5	5	3
763	30.0	68632	15429	76258	17143	38129	8571	38129	8571	14.3	9.58	9.2	6.20	6	6	3
915	36.0	82360	18514	91511	20572	45755	10286	45755	10286	17.1	11.50	11.1	7.44	7	7	4
1068	42.0	96087	21600	106764	24000	53382	12000	53382	12000	20.0	13.42	12.9	8.68	8	8	4
1220	48.0	109815	24686	122016	27429	61008	13715	61008	13715	22.8	15.33	14.8	9.92	9	9	5
1373	54.0	123542	27772	137269	30858	68634	15429	68634	15429	25.7	17.25	16.6	11.16	10	10	5
1525	60.0	137269	30858	152522	34287	76261	17143	76261	17143	28.5	19.17	18.5	12.40	11	11	6
1678	66.1	150997	33944	167774	37716	83887	18858	83887	18858	31.4	21.08	20.3	13.64	12	12	6
1830	72.1	164724	37030	183027	41144	91514	20572	91514	20572	34.2	23.00	22.1	14.88	13	13	7

Additional standard belt widths are available in steps of 152.5 mm (6.00 in.) Additional non-standard belt widths are available in steps of 25.4 mm (1.00 in)

2898	114.1	260820	58632	289800	65147	144900	32574	144900	32574	54.2	36.42	35.1	23.57	20	20	10
------	-------	--------	-------	--------	-------	--------	-------	--------	-------	------	-------	------	-------	----	----	----

Additional standard belt widths are available in steps of 152.5 mm (6.00 in.) Additional non-standard belt widths are available in steps of 25.4 mm (1.00 in)

3965	156.1	356850	80220	396500	89133	198250	44567	198250	44567	74.1	49.83	48.0	32.24	27	27	14
------	-------	--------	-------	--------	-------	--------	-------	--------	-------	------	-------	------	-------	----	----	----

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.

The belt width in POX FR is 1.0 % wider than the belt width in the table

*Max. Load per Drive Sprocket. Belt material: NLAS 6000 N (1349 lbf). PP 4000 N (899 lbf). POX FR 6000 N (1349 lbf)

**Max. Spacing between wear strips. Carry: 152 mm (6 in.); Return: 304 mm (12 in.)

***The weight of the belt with SS pins is 6.7 kg/m² (0.42 lb/ft²) higher than with PA66 pins

****The weight in POX FR is approximately 12 % lower than the weight of NLAS

= Single Link



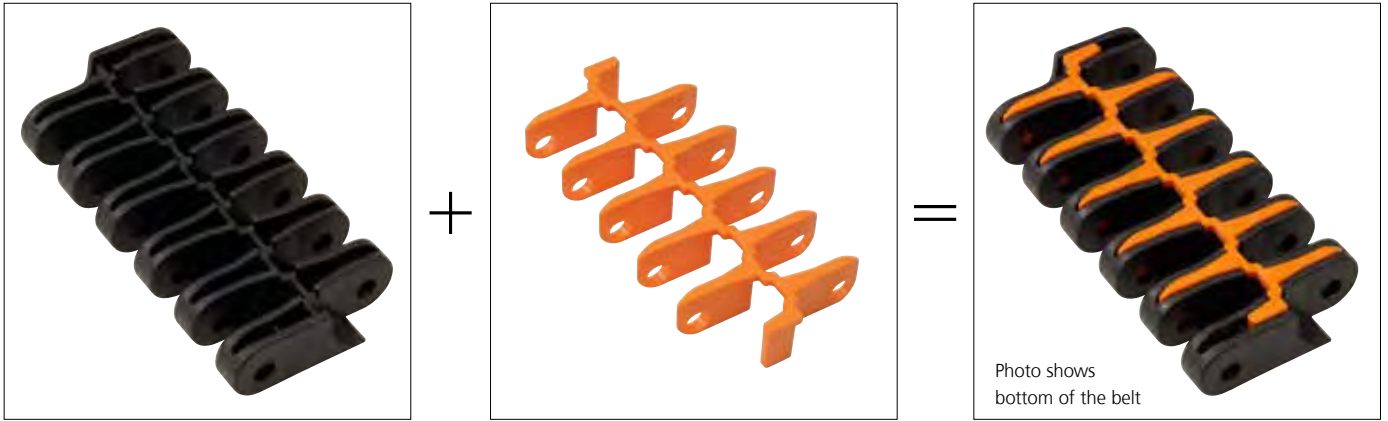
STANDARD

STRAIGHT RUNNING

PITCH 50.8 MM/2.00 IN

Accessories

Top/Bottom Insert



Type	Insert material & color	Weight	
		kg/m ²	lb/ft ²
Wheel Plate	POM DK O	4.7	0.97

Contact area/wear surface of belt will increase from 24% to 47% by the use of inserts.

Accessories

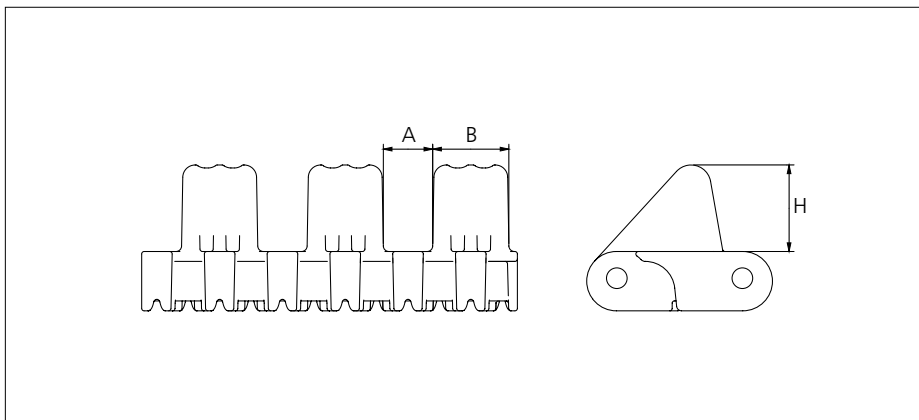
Top/Bottom Insert



Type	Insert material & color	Weight	
		kg/m ²	lb/ft ²
Electrical Conductive	POX FREC K	5.3	1.09

Accessories

Flight



Type	Flight material & color	A		B		H		Link size	Width	
		mm	in	mm	in	mm	in		mm	in
Car pusher	POM NL ○	20.0	0.79	31.0	1.22	35.0	1.38	K600	152.4	6.00

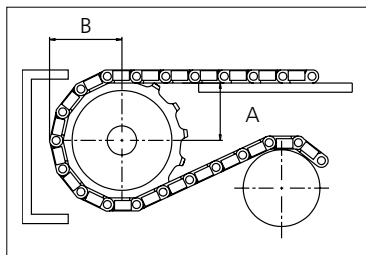
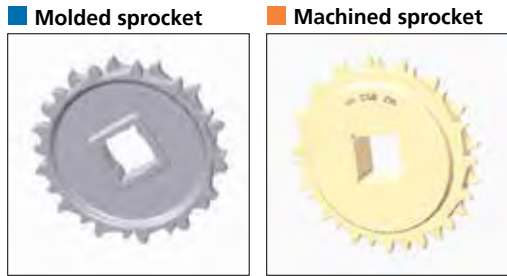
Backflex radius when flights are used: 200 mm (7.87 in).

Sprocket

No of teeth	Bore size							Overall diameter		Pitch-diameter		Hub-diameter		*A-dimension		B-dimension		Single row/Two way	Double row/Two way	Molded PA6 LG	Machined PA6 N
	Pilot bore	in	1.57	2.36	2.50	3.54	3.54														
	mm	40.0	60.0	63.5	90.0	120.0	mm	in	mm	in	mm	in	mm	in							
Z12	x		■		■		197.3	7.77	197.0	7.76	150.0	5.91	82.0	3.23	109.4	4.31		x	x		
Z16	x		■		■	■	263	10.35	261.4	10.29	200.0	7.87	115.0	4.53	141.5	5.57		x	x	x	

*A-dimension for automotive applications use A = (B-23.0 mm/0.91 in).

Non standard material and color:
See uni Material and Color
Overview.



Other sprocket sizes are available upon request.
Two-part sprockets are available upon request.
Round bores are always delivered with keyway.
Other bore sizes are available upon request.
uni Retainer Rings: See uni Retainer Ring data sheet
Width of single tooth = 10.0 mm (0.39 in)
Width of sprocket = 50.0 mm (1.98 in)

Max load per sprocket shown does not take bore size into account.
Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni CSB.
For more detailed sprocket information, contact Customer Service.

uni CSB 8% Rough/1409



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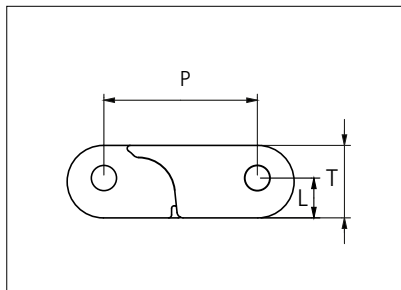
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Plastic Modular Belt

Series **uni CSB** Type **C**



Straight running belt
 Nominal pitch: 50.8 mm (2.00 in)
 Surface type: Flat
 Surface opening: Closed
 Backflex radius: 100 mm (3.94 in)
 Pin diameter: 8.0 mm (0.31 in)

STANDARD

Belt material & color	POM NLAS K	*POM NL K		mm	in		mm	in	
Pin and lock material & color	PA6.6 N PP O	*PA6.6 N		P (Nominal)	50.8	2.00	T	24.0	0.94
				L	13.2	0.52			

Non standard material and color: See uni Material and Color Overview.
 Safety edges with orange or yellow edge links mounted on alternating pitches along both belt edges are optional.
 Alternative pin and lock material: SS420 PA6.6 **N**

STRAIGHT RUNNING

Belt width		Permissible tensile force (Belt/pin material)						Belt weight (Belt/pin material)				**Min No drive sprocket per shaft	Number of wear strips (min no)	
		POM NLAS/PA66		POM NLAS/SS		POM NL/PA66		POM NLAS/PA66 POM NL/PA66		POM NLAS/SS			***Carry (pcs)	***Return (pcs)
mm	in	N	lbf	N	lbf	N	lbf	Kg/m	lb/ft	Kg/m	lb/ft			
*102	4.0	-	-	-	-	9180	2064	1.9	1.28	-	-	2	2	2
153	6.0	13770	3095	15300	3439	-	-	2.9	1.92	3.9	2.61	2	2	2
305	12.0	27450	6171	30500	6856	-	-	5.7	3.83	7.7	5.21	3	3	2
458	18.0	41220	9266	45800	10296	-	-	8.6	5.76	11.6	7.82	4	4	2
610	24.0	54900	12342	61000	13713	-	-	11.4	7.67	15.5	10.41	5	5	3
763	30.0	68670	15437	76300	17152	-	-	14.3	9.59	19.4	13.02	6	6	3
915	36.0	82350	18512	91500	20569	-	-	17.1	11.50	23.2	15.62	7	7	4
1068	42.0	96120	21608	106800	24009	-	-	20.0	13.42	27.1	18.23	8	8	4
1220	48.0	109800	24683	122000	27426	-	-	22.8	15.33	31.0	20.83	9	9	5
1373	54.1	123570	27779	137300	30865	-	-	25.7	17.25	34.9	23.44	10	10	5
1525	60.0	137250	30854	152500	34282	-	-	28.5	19.17	38.7	26.03	11	11	6
1678	66.1	151020	33949	167800	37721	-	-	31.4	21.09	42.6	28.64	12	12	6

Additional standard belt widths are available in steps of 152.5 mm (6.00 in). Additional non-standard belt widths are available in steps of 25.4 mm (1.00 in).

2898	114.1	260820	58632	289800	65147	-	-	54.2	36.42	73.6	49.47	20	20	10
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Additional standard belt widths are available in steps of 152.5 mm (6.00 in). Additional non-standard belt widths are available in steps of 25.4 mm (1.00 in).

4880	192.1	439200	98732	488000	109702	-	-	91.3	61.33	124.0	83.30	33	33	17
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General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.

**Max. Load per Drive Sprocket. Belt material: NLAS 6000 N (1349 lbf).
 ***Max. Spacing between wear strips, Carry: 152 mm (6 in); Return: 304 mm (12 in).

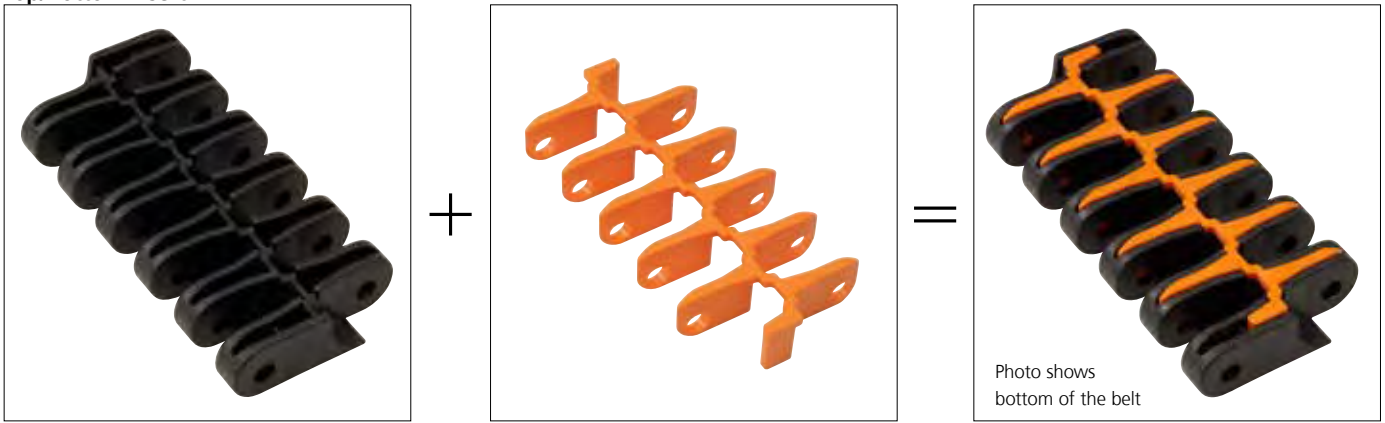
□ = Single Link

PITCH 50.8 MM/2.00 IN



Accessories

Top/Bottom Insert



Type	Insert material & color	Weight	
		kg/m ²	lb/ft ²
Wheel Plate	POM DK o	4.7	0.97

Contact area/wear surface of belt will increase from 24% to 47% by the use of inserts.

Accessories

Top/Bottom Insert

EC insert in uni CSB 8% Rough type can be build in to uni CSB C to create an electrical conductive belt.

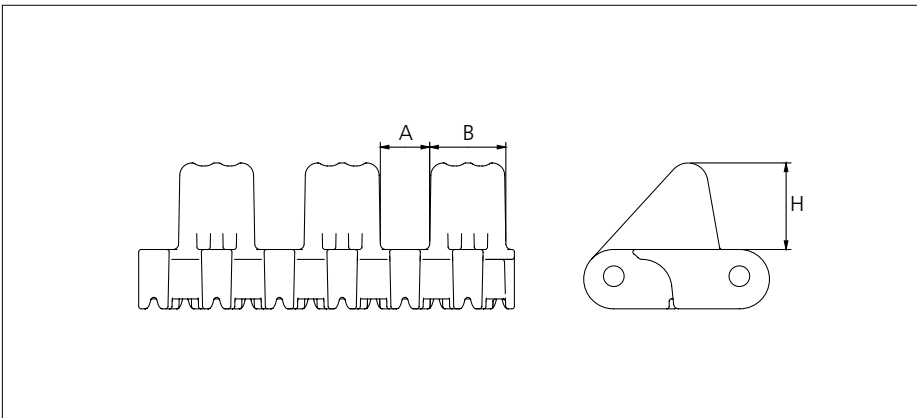


Type	Insert material & color	Weight	
		kg/m ²	lb/ft ²
Electrical Conductive	POX-FREC k	5.3	1.09

Contact area/wear surface of belt will increase from 24% to 47% by the use of inserts.
POX-FREC holds a surface resistivity of 1×10^3 Ohm according to IEC 60093/ASTM D257.

Accessories

Flight



Type	Flight material & color	A		B		H		Link size	Width	
		mm	in	mm	in	mm	in		mm	in
Car pusher	POM NL ○	20.0	0.79	31.0	1.22	35.0	1.38	K600	152.4	6.00

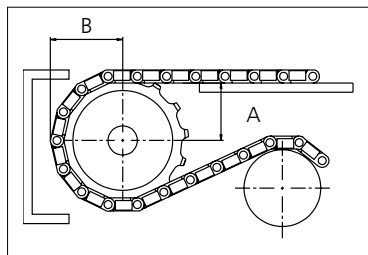
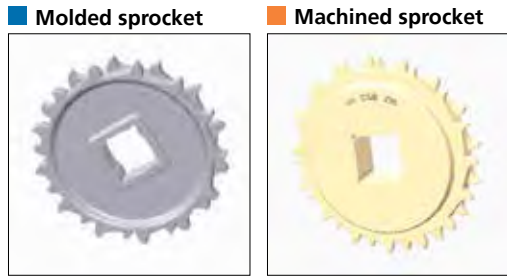
Backflex radius when flights are used: 200 mm (7.87 in).

Sprocket

No of teeth	Bore size						Overall diameter		Pitch diameter		Hub diameter		*A-dimension		B-dimension		Single row/Two way	Double row/Two way	Molded PA6 LG	Machined PA6 N
	Pilot bore	in	1.57	2.36	2.50	3.54														
	mm	40.0	60.0	63.5	90.0	120.0	mm	in	mm	in	mm	in	mm	in						
Z12	x		■		■		197.3	7.77	197.0	7.76	150.0	5.91	82.0	3.23	109.4	4.31		x	x	
Z16	x		■		■	■	263	10.35	261.4	10.29	200.0	7.87	115.0	4.53	141.5	5.57		x	x	x

*A-dimension for automotive applications use A = (B-23.0 mm/0.91 in).

Non standard material and color:
See uni Material and Color Overview.



Other sprocket sizes are available upon request.
Two-part sprockets are available upon request.
Round bores are always delivered with keyway.
Other bore sizes are available upon request.
uni Retainer Rings: See uni Retainer Ring data sheet
Width of single tooth = 10.0 mm (0.39 in)
Width of sprocket = 50.0 mm (1.98 in)

Max load per sprocket shown does not take bore size into account.
Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni CSB.
For more detailed sprocket information, contact Customer Service.

uni CSB C/1410



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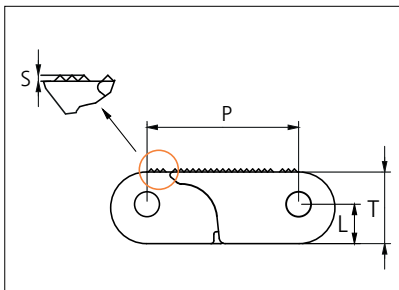
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Plastic Modular Belt

Series **uni CSB** Type **Rough**



Straight running belt
 Nominal pitch: 50.8 mm (2.00 in)
 Surface type: Rough (R11)
 Surface opening: Closed
 Backflex radius: 100 mm (3.94 in)
 Pin diameter: 8.0 mm (0.31 in)

Belt material & color	POM NLAS K	POX-FR EG	PP DG	mm	in	mm	in		
Pin and lock material & color	PA6.6 N PP O			P (Nominal)	50.8	2.00	T	24.0	0.94
				L	13.2	0.52	S	1.0	0.04

Non standard material and color: See uni Material and Color Overview.
 Safety edges with orange or yellow edge links mounted on alternating pitches along both belt edges are optional.

Alternative pin and lock material: SS420 PA6.6 **N**

Belt width		Permissible tensile force (Belt/pin material)								***Belt weight (Belt/pin material)				Min No drive sprocket per shaft	Number of wear strips (min no)	
		POM NLAS/PA66 POX-FR/PA66		POM NLAS/SS POX-FR/SS		PP/PA66		PP/SS		POM NLAS/PA66		PP/PA66			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	N	lbf	N	lbf	N	lbf	Kg/m	lb/ft	Kg/m	lb/ft			
153	6.0	13725	3085	15250	3428	7625	1714	7625	1714	2.9	1.92	1.8	1.24	2	2	2
305	12.0	27450	6171	30500	6856	15250	3428	15250	3428	5.7	3.83	3.7	2.48	3	3	2
458	18.0	41177	9257	45753	10285	22876	5143	22876	5143	8.6	5.75	5.5	3.72	4	4	2
610	24.0	54905	12343	61005	13714	30503	6857	30503	6857	11.4	7.67	7.4	4.96	5	5	3
763	30.0	68632	15429	76258	17143	38129	8571	38129	8571	14.3	9.58	9.2	6.20	6	6	3
915	36.0	82360	18514	91511	20572	45755	10286	45755	10286	17.1	11.50	11.1	7.44	7	7	4
1068	42.0	96087	21600	106764	24000	53382	12000	53382	12000	20.0	13.42	12.9	8.68	8	8	4
1220	48.0	109815	24686	122016	27429	61008	13715	61008	13715	22.8	15.33	14.8	9.92	9	9	5
1373	54.0	123542	27772	137269	30858	68634	15429	68634	15429	25.7	17.25	16.6	11.16	10	10	5
1525	60.0	137269	30858	152522	34287	76261	17143	76261	17143	28.5	19.17	18.5	12.40	11	11	6
1678	66.1	150997	33944	167774	37716	83887	18858	83887	18858	31.4	21.08	20.3	13.64	12	12	6
1830	72.1	164724	37030	183027	41144	91514	20572	91514	20572	34.2	23.00	22.1	14.88	13	13	7

Additional standard belt widths are available in steps of 152.5 mm (6.00 in.) Additional non-standard belt widths are available in steps of 25.4 mm (1.00 in)

2898	114.1	260820	58632	289800	65147	144900	32574	144900	32574	54.2	36.42	35.1	23.57	20	20	10
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Additional standard belt widths are available in steps of 152.5 mm (6.00 in.) Additional non-standard belt widths are available in steps of 25.4 mm (1.00 in)

3965	156.1	356850	80220	396500	89133	198250	44567	198250	44567	74.1	49.83	48.0	32.24	27	27	14
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General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.

Belt widths in POX FR is 1.0 % wider than the belt widths in the table above.

*Max. Load per Drive Sprocket. Belt material: NLAS 6000 N (1349 lbf). PP 4000 N (899 lbf). POX FR 6000 N (1349 lbf)

**Max. Spacing between wear strips. Carry: 152 mm (6 in.) ; Return: 304 mm (12 in.)

***The weight of the belt with SS pins is 6.7 kg/m² (0.42 lb/ft²) higher than with PA66 pins.

***The weight in POX FR is approximately 12 % lower than the weight of NLAS.

= Single Link



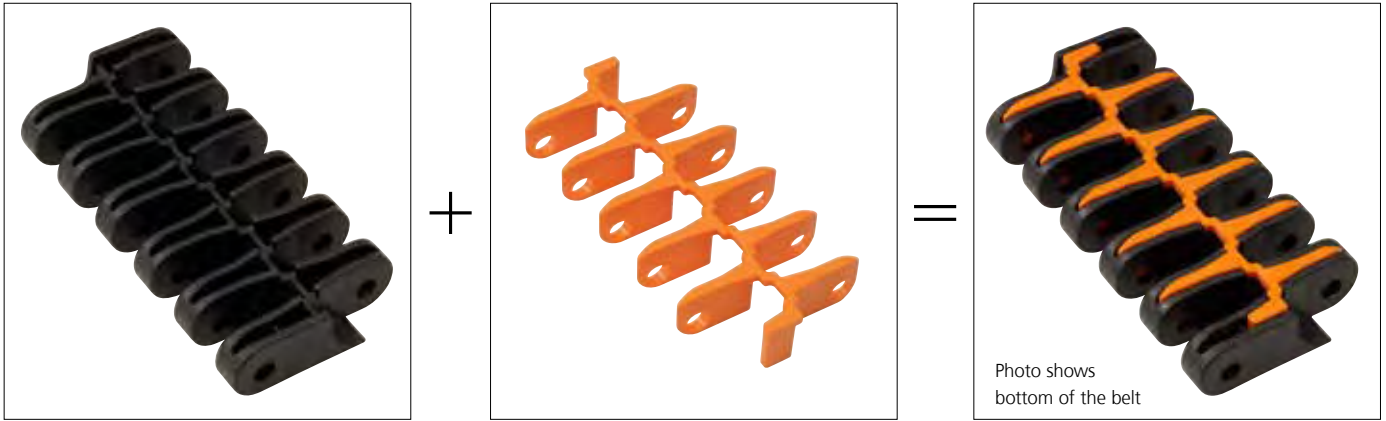
STANDARD

STRAIGHT RUNNING

PITCH 50.8 MM/2.00 IN

Accessories

Top/Bottom Insert



Type	Insert material & color	Weight	
		kg/m ²	lb/ft ²
Wheel Plate	POM DK O	4.7	0.97

Contact area/wear surface of belt will increase from 24% to 47% by the use of inserts.

Accessories

Top/Bottom Insert

EC insert in uni CSB 8% Rough type can be build in to uni CSB Rough to create an electrical conductive belt.



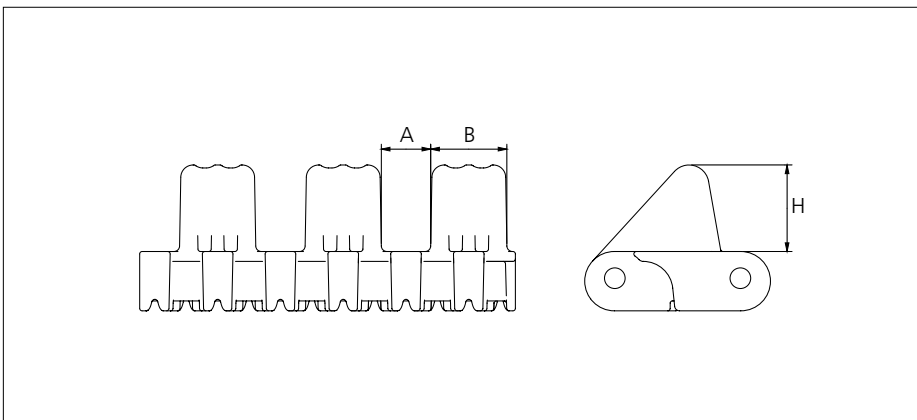
Type	Insert material & color	Weight	
		kg/m ²	lb/ft ²
Electrical Conductive	POX-FREC K	5.3	1.09

Contact area/wear surface of belt will increase from 24% to 47% by the use of inserts.

POX-FREC holds a surface resistivity of 1×10^3 Ohm according to IEC 60093/ASTM D257.

Accessories

Flight



Type	Flight material & color	A		B		H		Link size	Width	
		mm	in	mm	in	mm	in		mm	in
Car pusher	POM NL o	20.0	0.79	31.0	1.22	35.0	1.38	K600	152.4	6.00

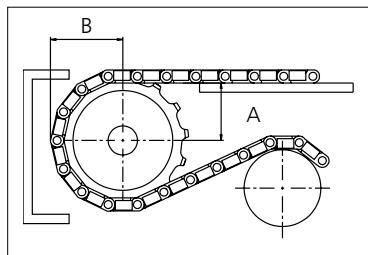
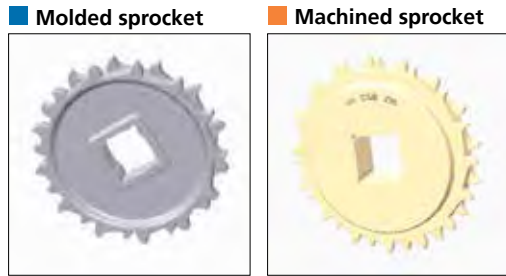
Backflex radius when flights are used: 200 mm (7.87 in).

Sprocket

No of teeth	Bore size							Overall diameter		Pitch-diameter		Hub-diameter		*A-dimension		B-dimension		Single row/Two way	Double row/Two way	Molded PA6 LG	Machined PA6 N
	Pilot bore	in	1.57	2.36	2.50	3.54	3.54														
	mm	40.0	60.0	63.5	90.0	120.0	mm	in	mm	in	mm	in	mm	in	mm	in					
Z12	x		■		■		197.3	7.77	197.0	7.76	150.0	5.91	82.0	3.23	109.4	4.31		x	x		
Z16	x		■		■	■	263	10.35	261.4	10.29	200.0	7.87	115.0	4.53	141.5	5.57		x	x	x	

*A-dimension for automotive applications use A = (B-23.0 mm/0.91 in).

Non standard material and color:
See uni Material and Color Overview.

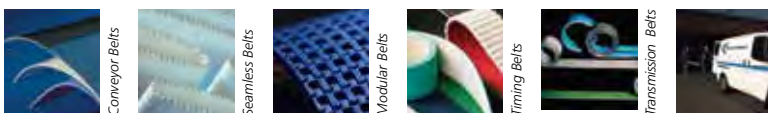


Other sprocket sizes are available upon request.
Two-part sprockets are available upon request.
Round bores are always delivered with keyway.
Other bore sizes are available upon request.
uni Retainer Rings: See uni Retainer Ring data sheet
Width of single tooth = 10.0 mm (0.39 in)
Width of sprocket = 50.0 mm (1.98 in)

Max load per sprocket shown does not take bore size into account.
Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni CSB.
For more detailed sprocket information, contact Customer Service.

uni CSB Rough/1409



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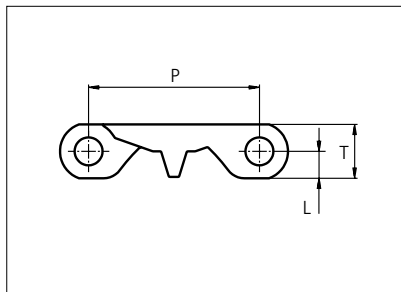
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Plastic Modular Belt

Series **uni MPB** Type **16%**



Straight running belt
 Nominal pitch: 50.8 mm (2.00 in)
 Surface type: Flat
 Surface opening: 16%
 Backflex radius: 65.0 mm (2.60 in)
 Pin diameter: ø8 mm (0.31 in)

Belt material & color	PP W	PE-I N	mm	in	mm	in		
	Pin material & color	PP W	PE W	P (Nominal)	50.8	2.00	T	16.0
			L	8.0	0.31	-	-	-

Non standard material and color: See uni Material and Color Overview.

Alternative pin and lock materials: Pin: PA6.6 **N** PP **W** PE **W** PBT **LG** SS304 Lockpin: PA6.6 **B** PBT **LG** Trilock: PA6.6 **N**

Belt width		Permissible tensile force (Belt/pin material)				Belt weight (Belt/pin material)				*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		PP/PP		PE-I/PE		PP/PP		PE-I/PE			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft			
151	5.9	2416	543	1963	441	1.1	0.76	1.2	0.81	2	2	2
202	8.0	3232	727	2626	590	1.5	1.02	1.6	1.09	2	2	2
252	9.9	4032	906	3276	736	1.9	1.27	2.0	1.35	2	2	2
302	11.9	4832	1086	3926	883	2.3	1.52	2.4	1.62	3	3	2
353	13.9	5648	1270	4589	1032	2.6	1.78	2.8	1.90	3	3	2
403	15.9	6448	1450	5239	1178	3.0	2.03	3.2	2.17	3	3	2
453	17.8	7248	1629	5889	1324	3.4	2.28	3.6	2.44	4	4	2
504	19.8	8064	1813	6552	1473	3.8	2.54	4.0	2.71	4	4	2
554	21.8	8864	1993	7202	1619	4.2	2.79	4.4	2.98	4	4	2
604	23.8	9664	2172	7852	1765	4.5	3.04	4.8	3.25	5	5	3
655	25.8	10480	2356	8515	1914	4.9	3.30	5.2	3.52	5	5	3
705	27.8	11280	2536	9165	2060	5.3	3.55	5.6	3.79	5	5	3
755	29.7	12080	2716	9815	2206	5.7	3.81	6.0	4.06	6	6	3

Additional standard belt widths are available in steps of 50.3 mm (1.98 in) Additional non-standard belt widths are available in steps of 16.8 mm (0.66 in.)

1963	77.3	31408	7061	25519	5737	14.7	9.89	15.7	10.55	14	14	7
------	------	-------	------	-------	------	------	------	------	-------	----	----	---

Additional standard belt widths are available in steps of 50.3 mm (1.98 in) Additional non-standard belt widths are available in steps of 16.8 mm (0.66 in.)

2970	116.9	47520	10682	38610	8680	22.3	14.97	23.8	15.97	20	20	10
------	-------	-------	-------	-------	------	------	-------	------	-------	----	----	----

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.

*Max. Load per Drive Sprocket. Belt material: PP with snub roller 2000 N (450 lbf) without snub roller 1250 N (281 lbf).

**Max. Spacing between wear strips, Carry: 152 mm (6 in); Return: 304 mm (12 in)

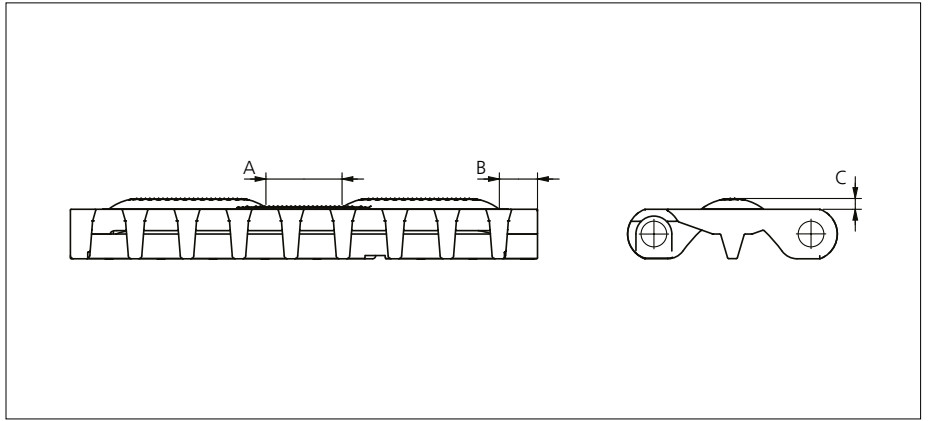
= Single Link



STANDARD
STRAIGHT RUNNING
PITCH 50.8 MM/2.00 IN

Accessories

Rubber Top



Type	Belt Material & color	Rubber Material & color	A		B		C		Link size	Width	
			mm	in	mm	in	mm	in		mm	in
Curved Rough	POM-DI W	01 N	24.0	0.94	10.0	0.39	3.5	0.14	K600	151.0	5.94

Non Standard material and color: See uni Material and Color Overview.

Accessories

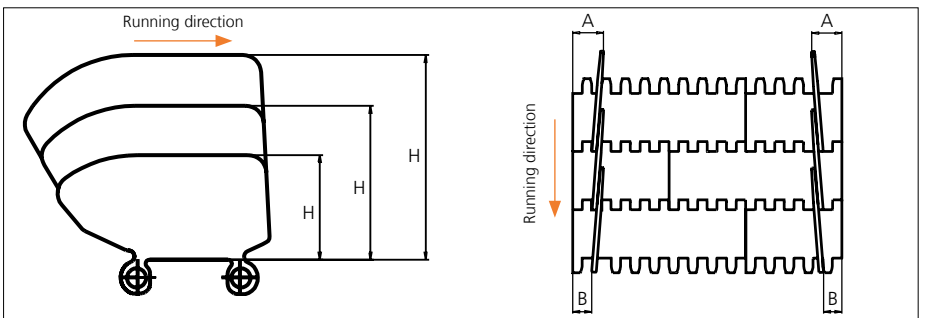
Flight



See separate uni MPB series Flight datasheet.

Accessories

Side Guard



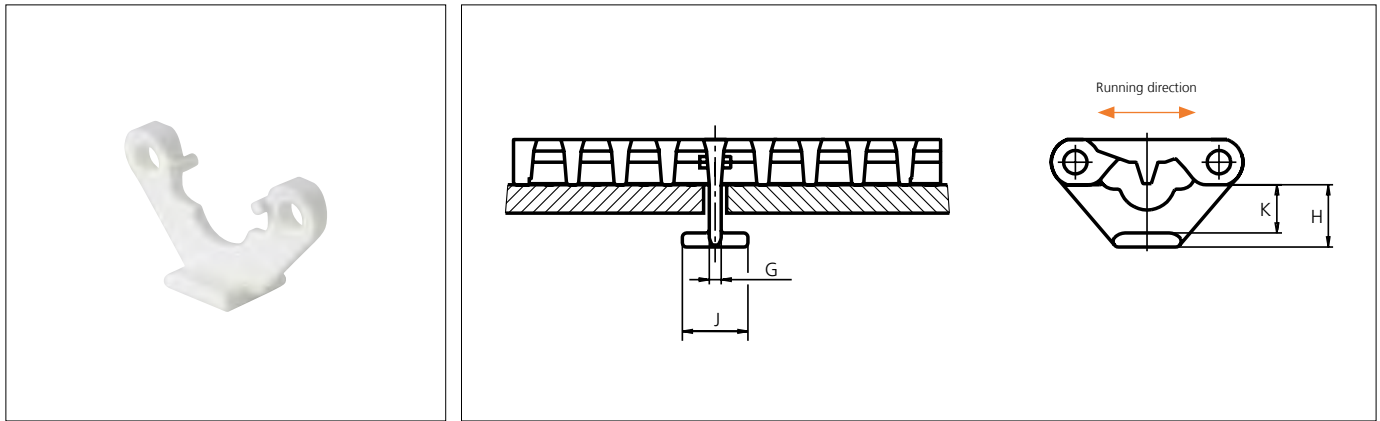
Type	Side Guard Material & color	H		A		B	
		mm	in	mm	in	mm	in
Closed	PE-I B N PP-I W B	50.8	2.00	32.0	1.26	16.0	0.63
		76.2	3.00				
		101.6	4.00				

*34.0 mm (1.34 in) combined with flight. Increment: 8.4 mm (0.33 in).

Note: Backflex radius when Side Guards are used: 200.0 mm (7.90 in)

Accessories

Tab



Type	Tab Material & color	G		J		K		H	
		mm	in	mm	in	mm	in	mm	in
Bottom Hold Down	POM-DI w	4.2	0.17	23.2	0.91	17.0	0.67	22.0	0.87

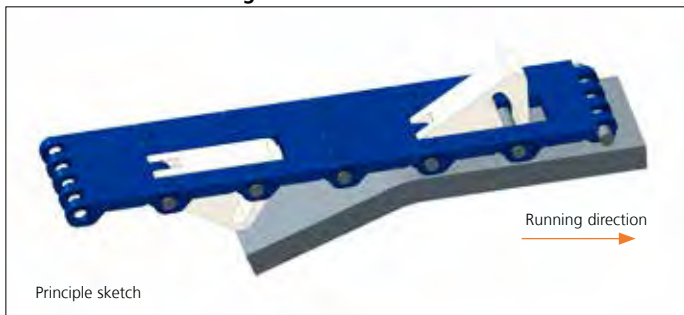
Note: When using tabs, please verify sufficient clearance to the shaft. Max. shaft diameter = Sprocket pitch diameter - 63.5 mm (2.50 in). When using square shafts, please verify that the diagonal does not exceed max. diameter. Example: Sprocket z = 6: Max. shaft diameter 101.6 - 63.5 = \varnothing 38.1 mm (4.00 - 2.50 = \varnothing 1.4 in).

Note: When using a belt system with tabs, the temperature should be constant. Please note that the tabs are not always placed in the middle of the belt.

Non Standard material and color: See uni Material and Color Overview.

Accessories

Non standard uni AmFlight

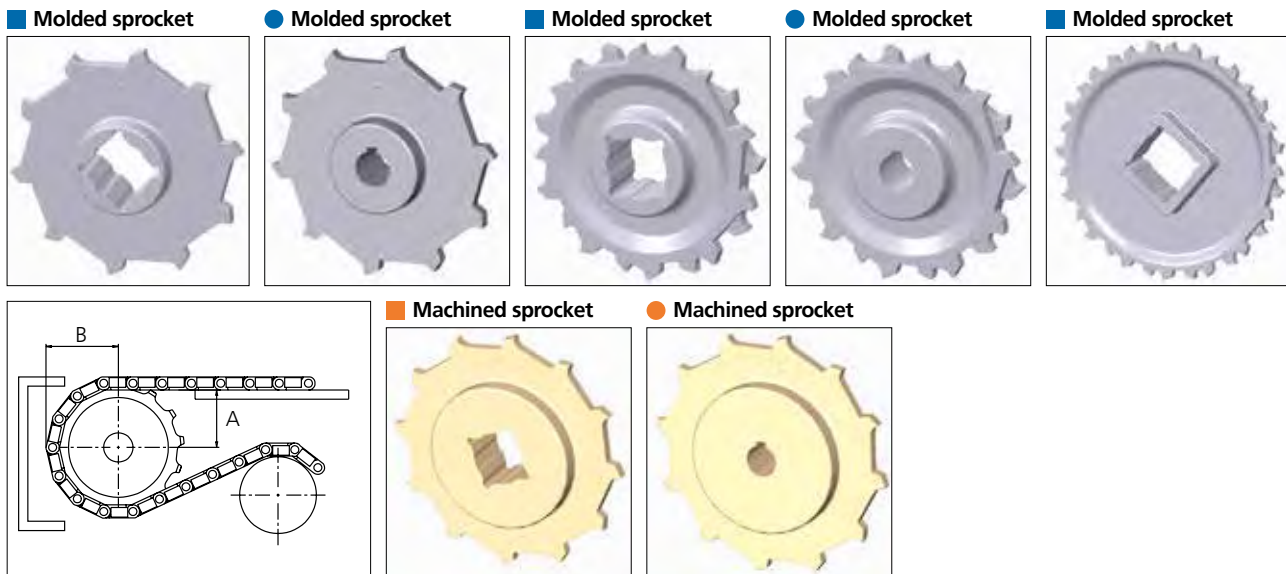


Other non standard option: See uni AmFlight Overview.

Sprocket

No of teeth	Bore size												Overall diameter		Pitch-diameter		Hub-diameter		A-dimension		B-dimension		Single row/One way	Double row/Two way	Molded PA6 LG	Machined PA6 N
	Pilot bore	in	0.75	0.78	0.98	1.00	1.18	1.25	1.50	1.57	2.36	2.50														
	mm	19.1	20.0	25.0	25.4	30.0	31.8	38.1	40.0	60.0	63.5	90.0	mm	in	mm	in	mm	in	mm	in						
Z06	x				●	●	●	■	■			99.5	3.92	101.6	4.00	65.0	2.56	36.0	1.42	59.3	2.33	x		x		
Z08	x				●	●	●	■	■			132.9	5.23	132.8	5.23	65.0	2.56	53.3	2.10	74.9	2.95	x		x		
Z10	x					●	●	■	■			166.3	6.55	164.4	6.47	65.0	2.56	70.2	2.76	90.7	3.57	x	x	x		
Z10										■	■	166.3	6.55	164.4	6.47	120.0	4.72	70.2	2.76	90.7	3.57	x	x	x		
Z12	x					●	●	■	■	■	■	198.6	7.82	196.3	7.73	120.0	4.72	86.8	3.42	106.6	4.20	x	x	x		
Z16	x					●	●	■	■	■	■	263.8	10.39	260.4	10.25	160.0	5.90	119.7	4.71	138.7	5.46		x	x		
Z16	x					●	●	■	■	■	■	263.8	10.39	260.4	10.25	150.0	5.90	119.7	4.71	138.7	5.46	x			x	

Non standard material and color: See uni Material and Color Overview.



Other sprocket sizes are available upon request.

Two-part sprocket are available upon request.

Round bores are always delivered with keyway.

Other bore sizes are available upon request.

uni Retainer Rings: See uni Retainer Ring data sheet

Width of sprocket = Single row: 42.3 mm (1.66 in)

Double row: 50.0 mm (1.96 in)

Width of tooth = Single row: 9.5 mm (0.37 in)

Double row: 17.0 mm (0.66 in)

Max. load per sprocket shown does not take bore size into account.

Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni MPB.

For more detailed sprocket information, contact Customer Service.



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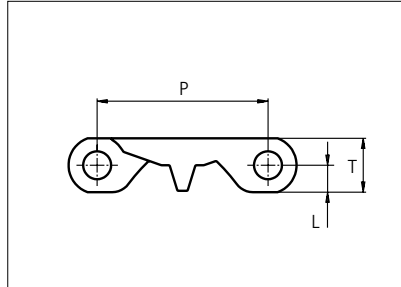
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Plastic Modular Belt

Series **uni MPB** Type **20%**



Straight running belt
 Nominal pitch: 50.8 mm (2.00 in)
 Surface type: Flat
 Surface opening: 20%
 Backflex radius: 65.0 mm (2.6 in)
 Pin diameter: ø8 mm (0.31 in)

STANDARD

Belt material & color	PP W	PE-I N	mm	in	mm	in			
	Pin material & color	PP W	PE W	P (Nominal)	50.8	2.00	T	16.0	0.63
				L	8.0	0.31	-	-	-

Non standard material and color: See uni Material and Color Overview.

Alternative pin and lock materials: Pin: PA6.6 **N** PP **W** PE **W** PBT **LG** SS304 Lockpin: PA6.6 **B** PBT **LG** Trilock: PA6.6 **N**

Belt width		Permissible tensile force (Belt/pin material)				Belt weight (Belt/pin material)				*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		PP/PP		PE-I/PE		PP/PP		PE-I/PE			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft			
68	2.7	1088	245	884	199	0.5	0.34	0.5	0.36	2	2	2
84	3.3	1341	302	1090	245	0.6	0.42	0.7	0.45	2	2	2
151	5.9	2416	543	1963	441	1.1	0.75	1.2	0.80	2	2	2
185	7.3	2953	664	2399	539	1.4	0.92	1.5	0.98	2	2	2
202	8.0	3232	727	2626	590	1.5	1.00	1.6	1.07	2	2	2
252	9.9	4032	906	3276	736	1.9	1.25	2.0	1.34	2	2	2
302	11.9	4832	1086	3926	883	2.2	1.50	2.4	1.60	3	3	2
353	13.9	5648	1270	4589	1032	2.6	1.76	2.8	1.87	3	3	2
403	15.9	6448	1450	5239	1178	3.0	2.00	3.2	2.14	3	3	2
453	17.8	7248	1629	5889	1324	3.4	2.25	3.6	2.41	4	4	2
504	19.8	8064	1813	6552	1473	3.7	2.51	4.0	2.68	4	4	2
554	21.8	8864	1993	7202	1619	4.1	2.76	4.4	2.94	4	4	2
604	23.8	9664	2172	7852	1765	4.5	3.00	4.8	3.21	5	5	3

Additional standard belt widths are available in steps of 50.3 mm (1.98 in.) Additional non-standard belt widths are available in steps of 16.8 mm (0.66 in).

1963	77.3	31408	7061	25519	5737	14.5	9.76	15.5	10.42	14	14	7
------	------	-------	------	-------	------	------	------	------	-------	----	----	---

Additional standard belt widths are available in steps of 50.3 mm (1.98 in.) Additional non-standard belt widths are available in steps of 16.8 mm (0.66 in).

2970	116.9	47520	10682	38610	8680	22.0	14.77	23.5	15.77	20	20	10
------	-------	-------	-------	-------	------	------	-------	------	-------	----	----	----

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.

*Max. Load per Drive Sprocket. Belt material: PP with snub roller 2000 N (450 lbf) without snub roller 1250 N (281 lbf).

**Max. Spacing between wear strips, Carry: 152 mm (6 in); Return: 304 mm (12 in).

= Single Link

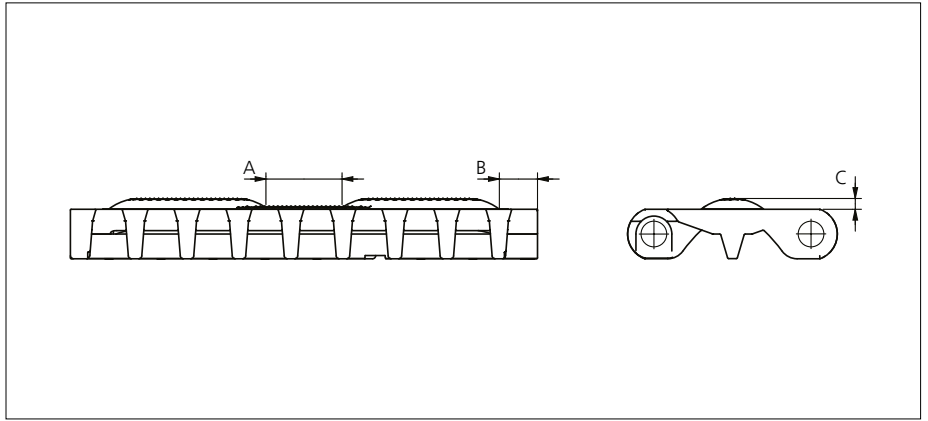


STRAIGHT RUNNING

PITCH 50.8 MM/2.00 IN

Accessories

Rubber Top

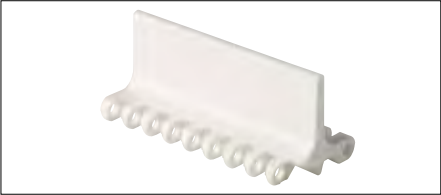


Type	Belt Material & color	Rubber Material & color	A		B		C		Link size	Width	
			mm	in	mm	in	mm	in		mm	in
Curved Rough	POM-DI W	01 N	24.0	0.94	10.0	0.39	3.5	0.14	K600	151.0	5.94

Non Standard material and color: See uni Material and Color Overview.

Accessories

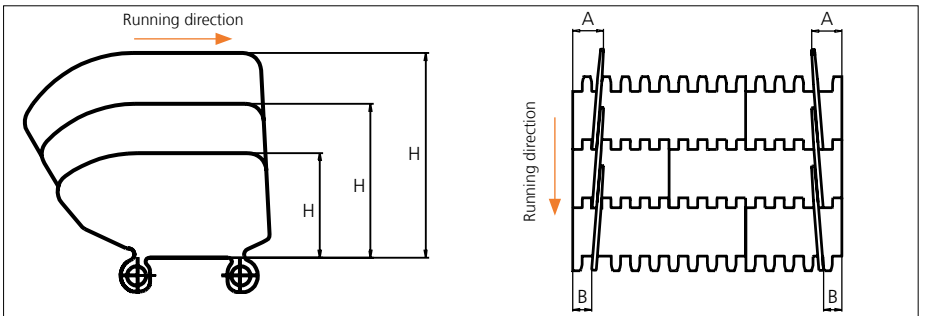
Flight



See separate uni MPB series Flight datasheet.

Accessories

Side Guard



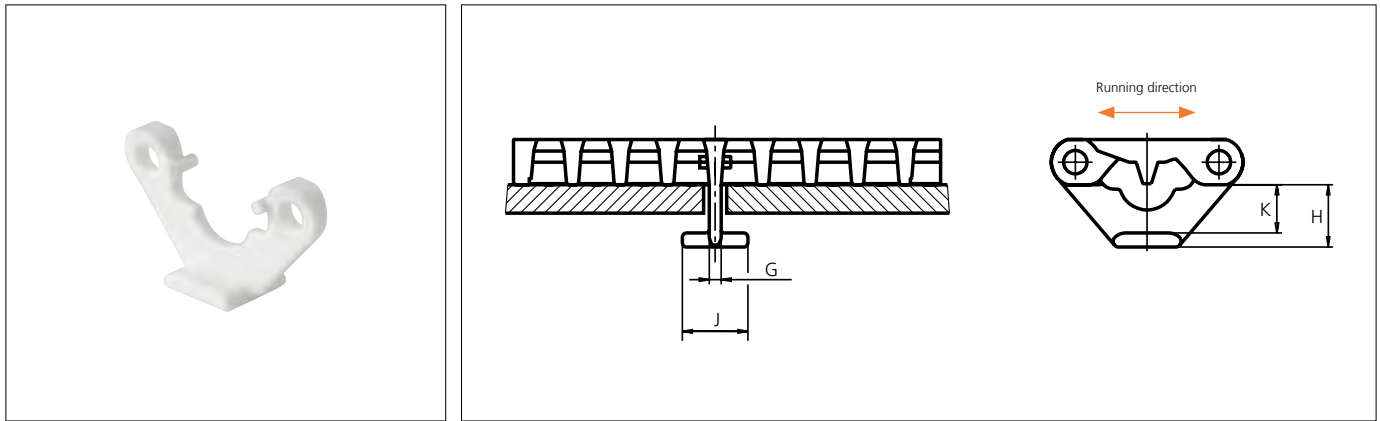
Type	Side Guard Material & color	H		A		B	
		mm	in	mm	in	mm	in
Closed	PE-I B N	50.8	2.00	32.0	1.26	16.0	0.63
	PP-I W B	76.2	3.00				
		101.6	4.00				

*34.0 mm (1.34 in) combined with flight. Increment: 8.4 mm (0.33 in).

Note: Backflex radius when Side Guard are used: 200.0 mm (7.90 in)

Accessories

Tab



Type	Tab Material & color	G		J		K		H	
		mm	in	mm	in	mm	in	mm	in
Bottom Hold Down	POM-DI w	4.2	0.17	23.2	0.91	17.0	0.67	22.0	0.87

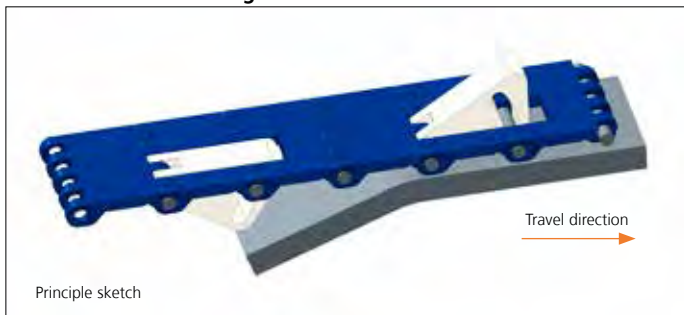
Note: When using taps, please verify sufficient clearance to the shaft. Max. shaft diameter = Sprocket pitch diameter - 63.5 mm (2.50 in). When using square shafts, please verify that the diagonal does not exceed max. diameter. Example: Sprocket z = 6: Max. shaft diameter 101.6 - 63.5 = \varnothing 38.1 mm (4.00 - 2.50 = \varnothing 1.4 in).

Note: When using a belt system with tabs, the temperature should be constant. Please note that the tabs are not always placed in the middle of the belt.

Non Standard material and color: See uni Material and Color Overview.

Accessories

Non standard uni AmFlight

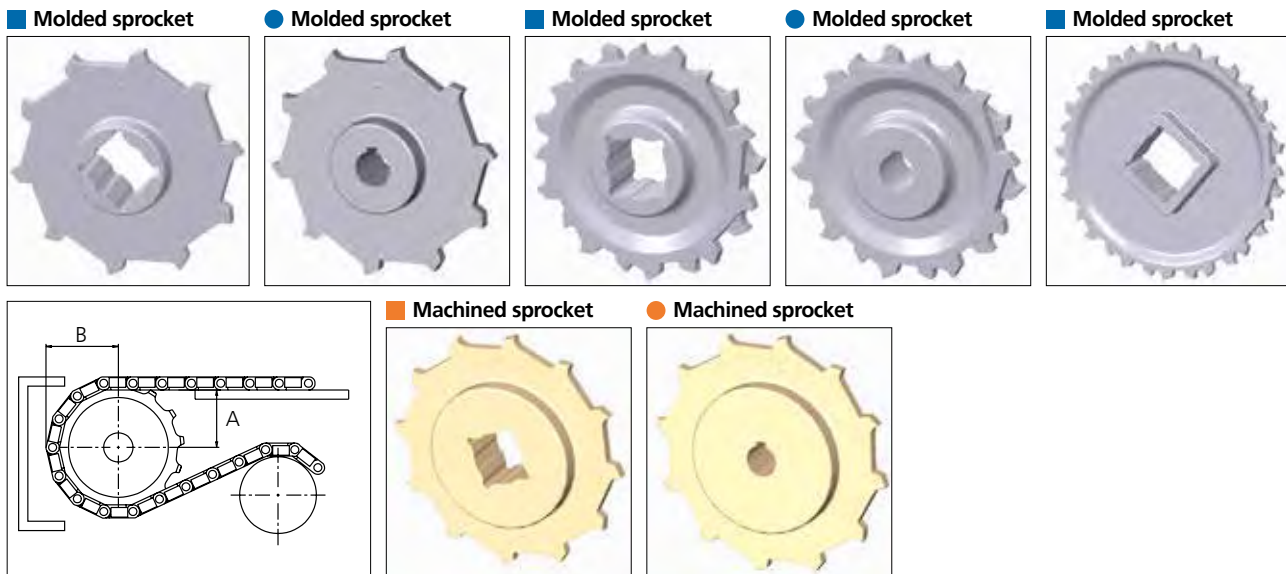


Other non standard option: See uni Amflight Overview.

Sprocket

No of teeth	Bore size													Overall diameter		Pitch-diameter		Hub-diameter		A-dimension		B-dimension		Single row/One way	Double row/Two way	Molded PA6 LG	Machined PA6 N
	Pilot bore	in	0.75	0.78	0.98	1.00	1.18	1.25	1.50	1.57	2.36	2.50	3.54														
	mm	19.1	20.0	25.0	25.4	30.0	31.8	38.1	40.0	60.0	63.5	90.0	mm	in	mm	in	mm	in	mm	in							
Z06	x				●	●	●	■	■				99.5	3.92	101.6	4.00	65.0	2.56	36.0	1.42	59.3	2.33	x		x		
Z08	x				●	●	●	■	■				132.9	5.23	132.8	5.23	65.0	2.56	53.3	2.10	74.9	2.95	x		x		
Z10	x					●	●	●	■	■			166.3	6.55	164.4	6.47	65.0	2.56	70.2	2.76	90.7	3.57	x	x	x		
Z10										■	■		166.3	6.55	164.4	6.47	120.0	4.72	70.2	2.76	90.7	3.57	x	x	x		
Z12	x					●	●	●	■	■	■		198.6	7.82	196.3	7.73	120.0	4.72	86.8	3.42	106.6	4.20	x	x	x		
Z16	x					●	●	●	■	■	■		263.8	10.39	260.4	10.25	160.0	5.90	119.7	4.71	138.7	5.46		x	x		
Z16	x					●	●	●	■	■	■		263.8	10.39	260.4	10.25	150.0	5.90	119.7	4.71	138.7	5.46	x			x	

Non standard material and color: See uni Material and Color Overview.



Other sprocket sizes are available upon request.

Two-part sprocket are available upon request.

Round bores are always delivered with keyway.

Other bore sizes are available upon request.

uni Retainer Rings: See uni Retainer Ring data sheet

Width of sprocket = Single row: 42.3 mm (1.66 in)

Double row: 50.0 mm (1.96 in)

Width of tooth = Single row: 9.5 mm (0.37 in)

Double row: 17.0 mm (0.66 in)

Max load per sprocket shown does not take bore size into account.

Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni MPB.

For more detailed sprocket information, contact Customer Service.



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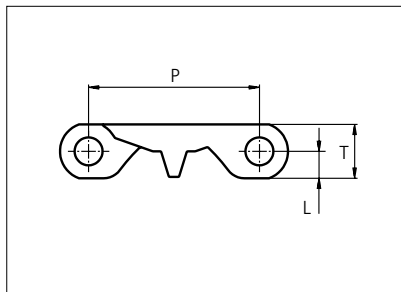
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Plastic Modular Belt

Series **uni MPB** Type **22%**



Straight running belt
 Nominal pitch: 50.8 mm (2.00 in)
 Surface type: Flat
 Surface opening: 22%
 Backflex radius: 65.0 mm (2.6 in)
 Pin diameter: ø8 mm (0.31 in)

Belt material & color	PP W	PE-I N B	mm	in	mm	in		
			P (Nominal)	50.8	2.00	T	16.0	0.63
Pin material & color	PP W	PE W	L	8.0	0.31	-	-	-

Non standard material and color: See uni Material and Color Overview.

Alternative pin and lock materials: Pin: PA6.6 **N W** PE **W** PBT **LG** SS304 Lockpin: PA6.6 **B** PBT **LG** Trilock: PA6.6 **N**

Belt width		Permissible tensile force (Belt/pin material)				Belt weight (Belt/pin material)				*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		PP/PP		PE-I/PE		PP/PP		PE-I/PE			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft			
84	3.3	1341	302	1090	245	0.6	0.41	0.6	0.43	2	2	2
151	5.9	2416	543	1963	441	1.1	0.73	1.1	0.77	2	2	2
185	7.3	2953	664	2399	539	1.3	0.89	1.4	0.94	2	2	2
202	8.0	3232	727	2626	590	1.5	0.98	1.5	1.03	2	2	2
252	9.9	4032	906	3276	736	1.8	1.22	1.9	1.29	2	2	2
302	11.9	4832	1086	3926	883	2.2	1.46	2.3	1.54	3	3	2
353	13.9	5648	1270	4589	1032	2.5	1.71	2.7	1.80	3	3	2
403	15.9	6448	1450	5239	1178	2.9	1.95	3.1	2.06	3	3	2
453	17.8	7248	1629	5889	1324	3.3	2.19	3.4	2.31	4	4	2
504	19.8	8064	1813	6552	1473	3.6	2.44	3.8	2.57	4	4	2
554	21.8	8864	1993	7202	1619	4.0	2.68	4.2	2.83	4	4	2
604	23.8	9664	2172	7852	1765	4.3	2.92	4.6	3.08	5	5	3
655	25.8	10480	2356	8515	1914	4.7	3.17	5.0	3.35	5	5	3

Additional standard belt widths are available in steps of 50.3 mm (1.98 in.) Additional non-standard belt widths are available in steps of 16.8 mm (0.66 in.)

1963	77.3	31408	7061	25519	5737	14.1	9.50	14.9	10.03	14	14	7
------	------	-------	------	-------	------	------	------	------	-------	----	----	---

Additional standard belt widths are available in steps of 50.3 mm (1.98 in.) Additional non-standard belt widths are available in steps of 16.8 mm (0.66 in.)

2970	116.9	47520	10682	38610	8680	21.4	14.37	22.6	15.17	20	20	10
------	-------	-------	-------	-------	------	------	-------	------	-------	----	----	----

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.

*Max. Load per Drive Sprocket. Belt material: PP with snub roller 2000 N (450 lbf) without snub roller 1250 N (281 lbf)

**Max. Spacing between wear strips, Carry: 152 mm (6 in); Return: 304 mm (12 in).

= Single Link



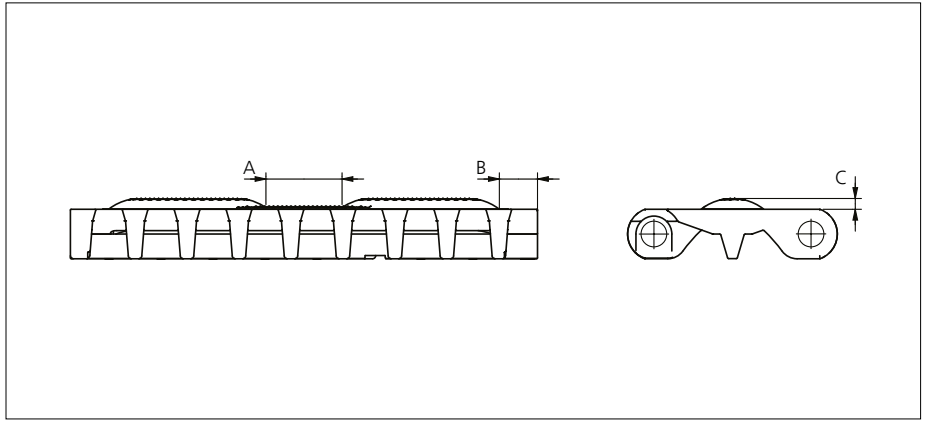
STANDARD

STRAIGHT RUNNING

PITCH 50.8 MM/2.00 IN

Accessories

Rubber Top

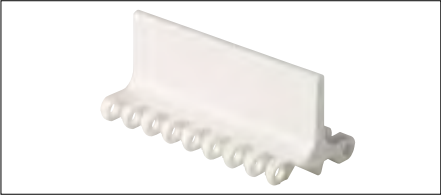


Type	Belt Material & color	Rubber Material & color	A		B		C		Link size	Width	
			mm	in	mm	in	mm	in		mm	in
Curved Rough	POM-DI W	01 N	24.0	0.94	10.0	0.39	3.5	0.14	K600	151.0	5.94

Non Standard material and color: See uni Material and Color Overview.

Accessories

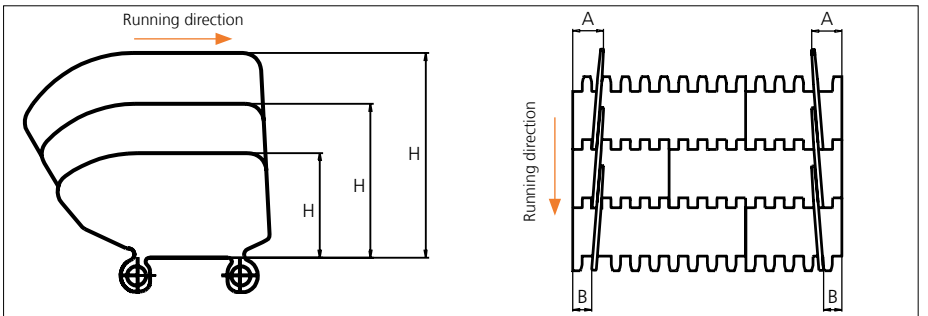
Flight



See separate uni MPB series Flight datasheet.

Accessories

Side Guard



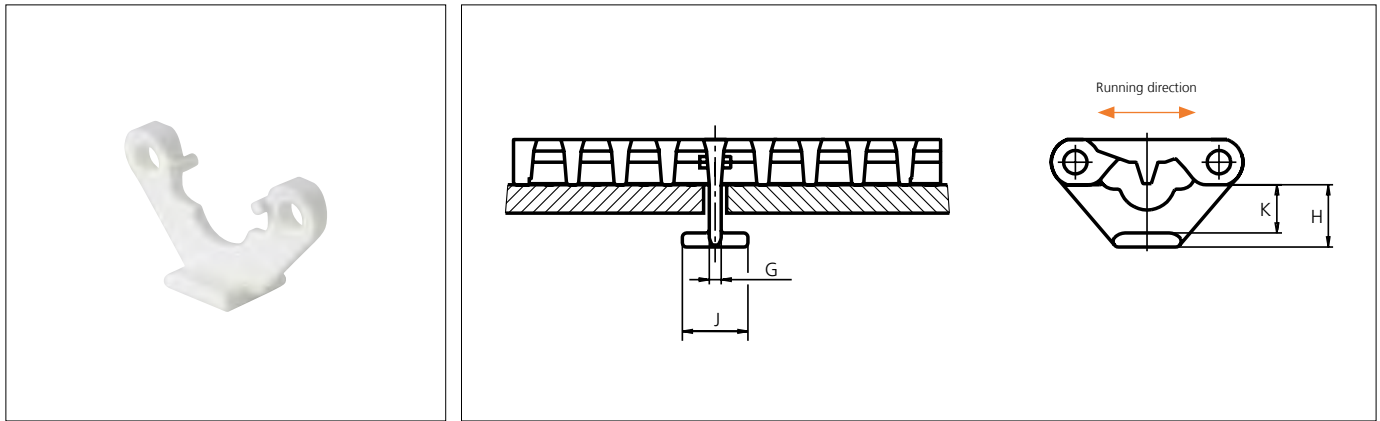
Type	Side Guard Material & color	H		A		B	
		mm	in	mm	in	mm	in
Closed	PE-I B N PP-I W B	50.8	2.00	32.0	1.26	16.0	0.63
		76.2	3.00				
		101.6	4.00				

*34.0 mm (1.34 in) combined with flight. Increment: 8.4 mm (0.33 in).

Note: Backflex radius when Side Guard are used: 200.0 mm (7.90 in)

Accessories

Tab



Type	Tab Material & color	G		J		K		H	
		mm	in	mm	in	mm	in	mm	in
Bottom Hold Down	POM-DI w	4.2	0.17	23.2	0.91	17.0	0.67	22.0	0.87

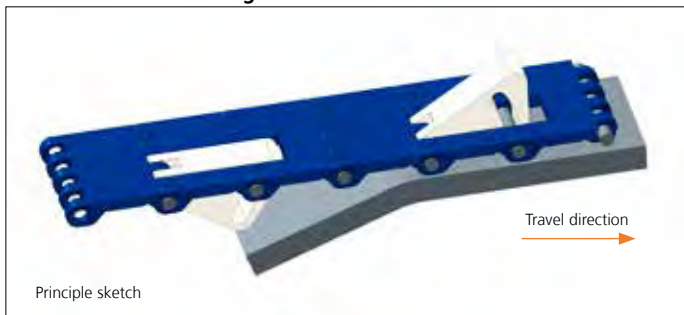
Note: When using taps, please verify sufficient clearance to the shaft. Max. shaft diameter = Sprocket pitch diameter - 63.5 mm (2.50 in). When using square shafts, please verify that the diagonal does not exceed max. diameter. Example: Sprocket z = 6: Max. shaft diameter 101.6 - 63.5 = \varnothing 38.1 mm (4.00 - 2.50 = \varnothing 1.4 in).

Note: When using a belt system with tabs, the temperature should be constant. Please note that the tabs are not always placed in the middle of the belt.

Non Standard material and color: See uni Material and Color Overview.

Accessories

Non standard uni AmFlight

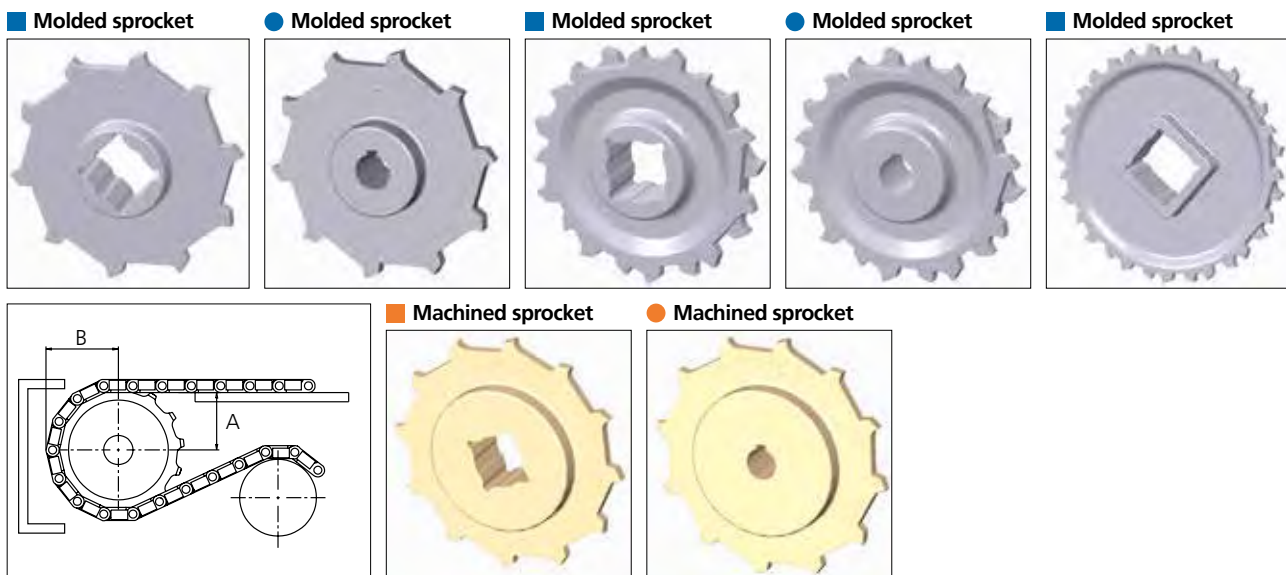


Other non standard option: See uni Amflight Overview.

Sprocket

No of teeth	Bore size													Overall diameter		Pitch-diameter		Hub-diameter		A-dimension		B-dimension		Single row/One way	Double row/Two way	Molded PA6 LG	Machined PA6 N
	Pilot bore	in	0.75	0.78	0.98	1.00	1.18	1.25	1.50	1.57	2.36	2.50	3.54														
	mm	19.1	20.0	25.0	25.4	30.0	31.8	38.1	40.0	60.0	63.5	90.0	mm	in	mm	in	mm	in	mm	in							
Z06	x				●	●	●	■	■				99.5	3.92	101.6	4.00	65.0	2.56	36.0	1.42	59.3	2.33	x		x		
Z08	x				●	●	●	■	■				132.9	5.23	132.8	5.23	65.0	2.56	53.3	2.10	74.9	2.95	x		x		
Z10	x					●	●	●	■	■			166.3	6.55	164.4	6.47	65.0	2.56	70.2	2.76	90.7	3.57	x	x	x		
Z10										■	■		166.3	6.55	164.4	6.47	120.0	4.72	70.2	2.76	90.7	3.57	x	x	x		
Z12	x					●	●	●	■	■	■		198.6	7.82	196.3	7.73	120.0	4.72	86.8	3.42	106.6	4.20	x	x	x		
Z16	x					●	●	●	■	■	■		263.8	10.39	260.4	10.25	160.0	5.90	119.7	4.71	138.7	5.46		x	x		
Z16	x					●	●	●	■	■	■		263.8	10.39	260.4	10.25	150.0	5.90	119.7	4.71	138.7	5.46	x			x	

Non standard material and color: See uni Material and Color Overview.



Other sprocket sizes are available upon request.

Two-part sprocket are available upon request.

Round bores are always delivered with keyway.

Other bore sizes are available upon request.

uni Retainer Rings: See uni Retainer Ring data sheet

Width of sprocket = Single row: 42.3 mm (1.66 in)

Double row: 50.0 mm (1.96 in)

Width of tooth = Single row: 9.5 mm (0.37 in)

Double row: 17.0 mm (0.66 in)

Max load per sprocket shown does not take bore size into account.

Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni MPB.

For more detailed sprocket information, contact Customer Service.



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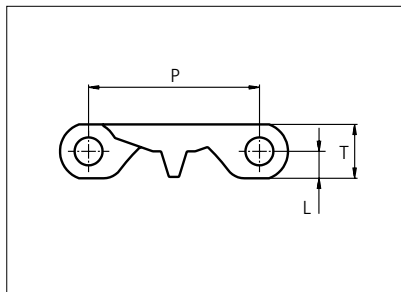
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Plastic Modular Belt

Series **uni MPB** Type **C**



Straight running belt
 Nominal pitch: 50.8 mm (2.00 in)
 Surface type: Flat
 Surface opening: Closed
 Backflex radius: 65.0 mm (2.6 in)
 Pin diameter: ø8 mm (0.31 in)

Belt material & color	POM-DI W B	PP W B	PE-I N B	mm	in	mm	in			
Pin material & color	PP W		PE W		P (Nominal)	50.8	2.00	T	16.0	0.63
					L	8.0	0.31	-	-	-

Non standard material and color: See uni Material and Color Overview.

Alternative pin and lock materials: Pin: PA6.6 N PP W PE W PBT LG SS304 Lockpin: PA6.6 B PBT LG Trilock: PA6.6 N

Belt width		Permissible tensile force (Belt/pin material)						Belt weight (Belt/pin material)						*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-DI/PP		PP/PP		PE-I/PE		POM-DI/PP		PP/PP		PE-I/PE			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	N	lbf	N	lbf	Kg/m	lb/ft	Kg/m	lb/ft	Kg/m	lb/ft			
68	2.7	1870	420	1088	245	884	199	0.8	0.54	0.6	0.38	0.6	0.40	2	2	2
84	3.3	2306	518	1341	302	1090	245	1.0	0.67	0.7	0.47	0.7	0.50	2	2	2
151	5.9	4153	933	2416	543	1963	441	1.8	1.21	1.3	0.84	1.3	0.89	2	2	2
168	6.6	4620	1039	2688	604	2184	491	2.0	1.34	1.4	0.94	1.5	0.99	2	2	2
185	7.3	5088	1144	2960	665	2405	541	2.2	1.48	1.5	1.03	1.6	1.09	2	2	2
202	8.0	5555	1249	3232	727	2626	590	2.4	1.62	1.7	1.13	1.8	1.19	2	2	2
219	8.6	6023	1354	3504	788	2847	640	2.6	1.75	1.8	1.22	1.9	1.30	2	2	2
235	9.3	6463	1453	3760	845	3055	687	2.8	1.88	2.0	1.31	2.1	1.39	2	2	2

Additional standard belt widths are available in steps of 16.8 mm (0.66 in.)

655	25.8	18013	4049	10480	2356	8515	1914	7.8	5.24	5.4	3.65	5.8	3.87	5	5	3
672	26.5	18480	4154	10752	2417	8736	1964	8.0	5.37	5.6	3.75	5.9	3.97	5	5	3
688	27.1	18920	4253	11008	2475	8944	2011	8.2	5.50	5.7	3.84	6.1	4.07	5	5	3
705	27.8	19388	4358	11280	2536	9165	2060	8.4	5.64	5.9	3.93	6.2	4.17	5	5	3
722	28.4	19855	4463	11552	2597	9386	2110	8.6	5.77	6.0	4.03	6.4	4.27	5	5	3

Additional standard belt widths are available in steps of 16.8 mm (0.66 in.)

1963	77.3	53983	12135	31408	7061	25519	5737	23.4	15.70	16.3	10.95	17.3	11.61	14	14	7
------	------	-------	-------	-------	------	-------	------	------	-------	------	-------	------	-------	----	----	---

Additional standard belt widths are available in steps of 16.8 mm (0.66 in.)

2970	116.9	81675	18361	47520	10682	38610	8680	35.3	23.75	24.7	16.57	26.1	17.56	20	20	10
------	-------	-------	-------	-------	-------	-------	------	------	-------	------	-------	------	-------	----	----	----

General belt tolerance is +0/-0.4% at 23°C/73°F. For exact belt width contact Customer Service. Non standard belt width on request.

*Max. Load per Drive Sprocket. Belt material: POM-DI with snub roller 2000 N (450 lbf) without snub roller 1250 N (281 lbf).

**Max. Spacing between wear strips, Carry: 152 mm (6 in); Return: 304 mm (12 in).

 = Single Link



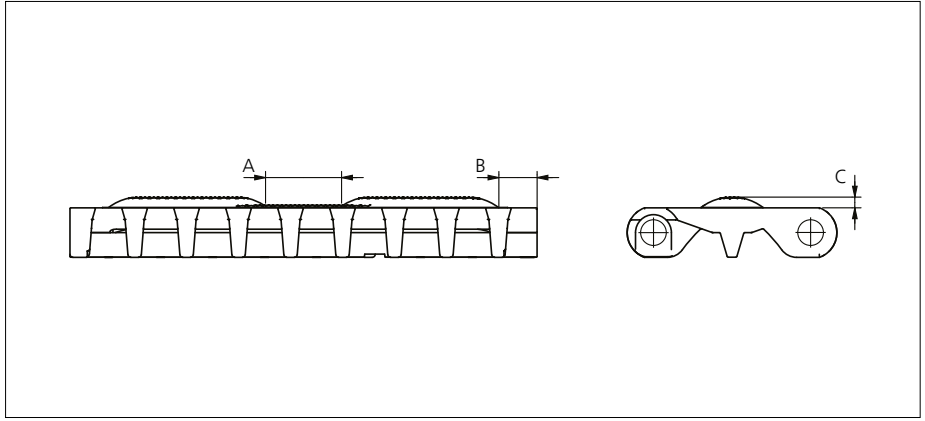
STANDARD

STRAIGHT RUNNING

PITCH 50.8 MM/2.00 IN

Accessories

Rubber Top

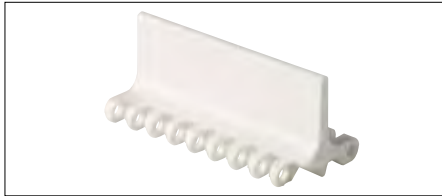


Type	Belt Material & color	Rubber Material & color	A		B		C		Link size	Width	
			mm	in	mm	in	mm	in		mm	in
Curved Rough	POM-DI W	01 N	24.0	0.94	10.0	0.39	3.5	0.14	K600	151.0	5.94

Non Standard material and color: See uni Material and Color Overview.

Accessories

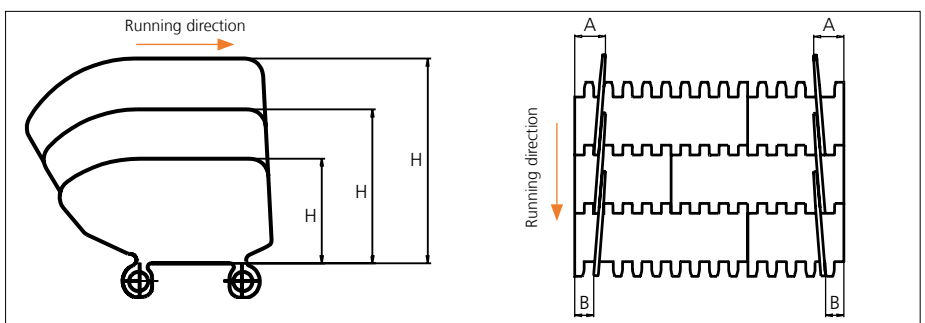
Flight



See separate uni MPB series Flight datasheet.

Accessories

Side Guard



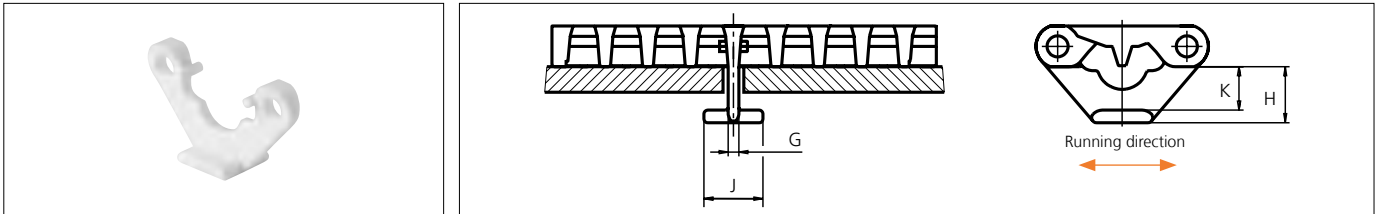
Type	Side Guard Material & color	H		A		B	
		mm	in	mm	in	mm	in
Closed	PE-I B N	50.8	2.00	32.0	1.26	16.0	0.63
	PP-I W B	76.2	3.00				
		101.6	4.00				

*34.0 mm (1.34 in) combined with flight. Increment: 8.4 mm (0.33 in).

Note: Backflex radius when Side Guards are used: 200.0 mm (7.90 in)

Accessories

Tab



Type	Tab Material & color	G		J		K		H	
		mm	in	mm	in	mm	in	mm	in
Bottom Hold Down	POM-DI w	4.2	0.17	23.2	0.91	17.0	0.67	22.0	0.87

Note: When using tabs, please verify sufficient clearance to the shaft. Max. shaft diameter = Sprocket pitch diameter - 63.5 mm (2.50 in). When using square shafts, please verify that the diagonal does not exceed max. diameter. Example: Sprocket z = 6: Max. shaft diameter 101.6 - 63.5 = \varnothing 38.1 mm (4.00 - 2.50 = \varnothing 1.4 in).

Note: When using a belt system with tabs, the temperature should be constant. Please note that the tabs are not always placed in the middle of the belt.

Non Standard material and color: See uni Material and Color Overview.

Accessories

Non standard uni AmFlight

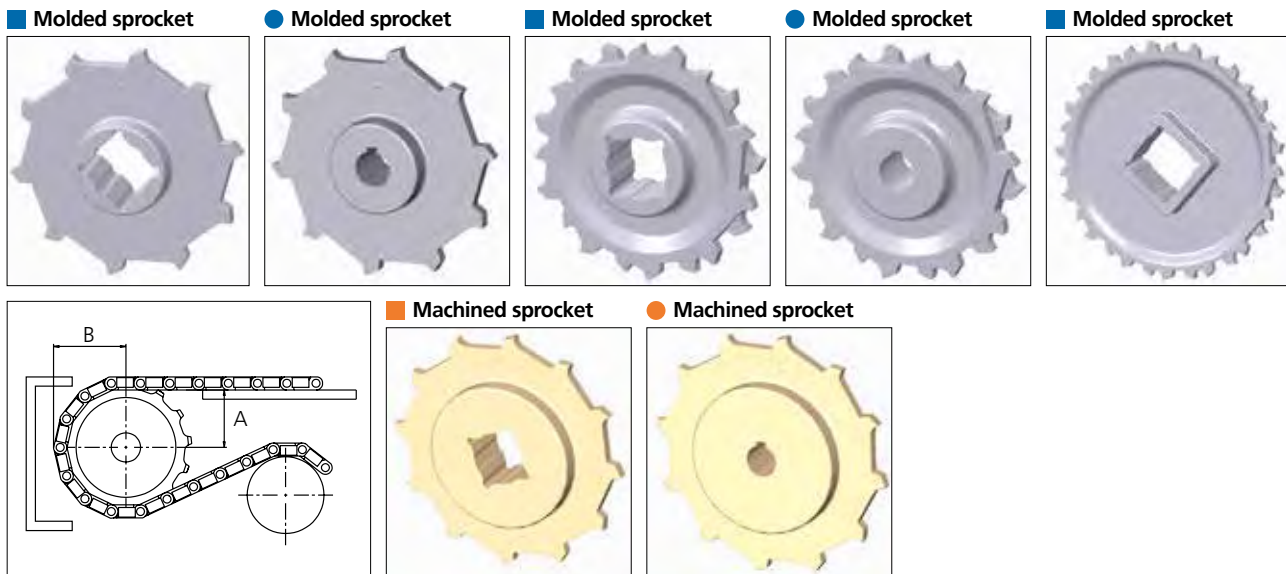


Other non standard option: See uni AmFlight Overview.

Sprocket

No. of teeth	Bore size													Overall diameter		Pitch-diameter		Hub-diameter		A-dimension		B-dimension		Single row/One way	Double row/Two way	Molded PA6 LG	Machined PA6 N
	Pilot bore	in	0.75	0.78	0.98	1.00	1.18	1.25	1.50	1.57	2.36	2.50	3.54														
	mm	19.1	20.0	25.0	25.4	30.0	31.8	38.1	40.0	60.0	63.5	90.0	mm	in	mm	in	mm	in	mm	in							
Z06	x				●	●	●	■	■				99.5	3.92	101.6	4.00	65.0	2.56	36.0	1.42	59.3	2.33	x		x		
Z08	x				●	●	●	■	■				132.9	5.23	132.8	5.23	65.0	2.56	53.3	2.10	74.9	2.95	x		x		
Z10	x					●	●	■	■				166.3	6.55	164.4	6.47	65.0	2.56	70.2	2.76	90.7	3.57	x	x	x		
Z10										■	■		166.3	6.55	164.4	6.47	120.0	4.72	70.2	2.76	90.7	3.57	x	x	x		
Z12	x					●	●	■	■	■	■		198.6	7.82	196.3	7.73	120.0	4.72	86.8	3.42	106.6	4.20	x	x	x		
Z16	x					●	●	■	■	■	■		263.8	10.39	260.4	10.25	160.0	5.90	119.7	4.71	138.7	5.46		x	x		
Z16	x					●	●	■	■	■	■		263.8	10.39	260.4	10.25	150.0	5.90	119.7	4.71	138.7	5.46	x			x	

Non standard material and color: See uni Material and Color Overview.



Other sprocket sizes are available upon request.

Two-part sprocket are available upon request.

Round bores are always delivered with keyway.

Other bore sizes are available upon request.

uni Retainer Rings: See uni Retainer Ring data sheet

Width of sprocket = Single row: 42.3 mm (1.66 in)

Double row: 50.0 mm (1.96 in)

Width of tooth = Single row: 9.5 mm (0.37 in)

Double row: 17.0 mm (0.66 in)

Max. load per sprocket shown does not take bore size into account.

Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni MPB.

For more detailed sprocket information, contact Customer Service.



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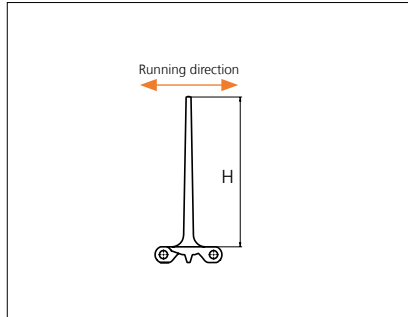
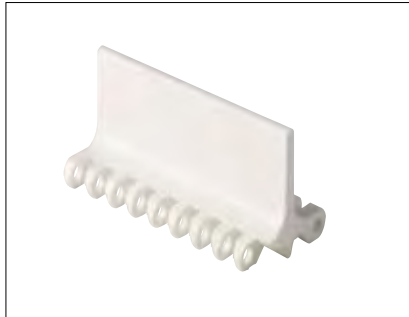
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Plastic Modular Belt

Accessories **uni MPB** Type **Flights**



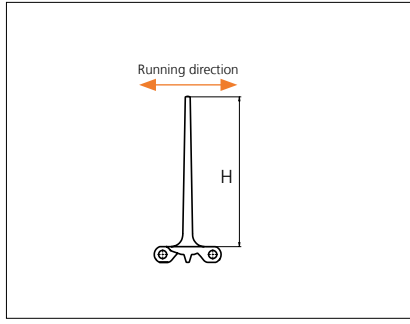
Type	Material & color	H		Link size	Width		Indent both sides			
		mm	in		mm	in	mm	in		
Flat	PE-I	5.0	0.20	K600	151.0	5.94	3.0	0.12		
	PP-I PE-I	10.0	0.39							
	POM-D PP-I PE-I	25.4	1.00				0.0	0.0		
		50.8	2.00							
		76.2	3.00							
		101.6	4.00							
		101.6	4.00						34.0*	1.34
		152.4	6.00						0.0	0.00

*Indent only in one side.

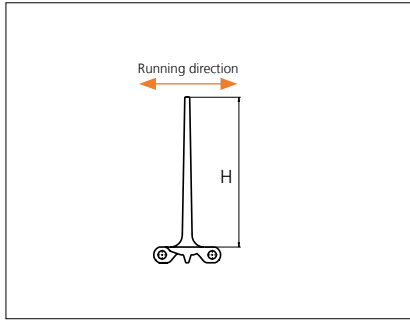
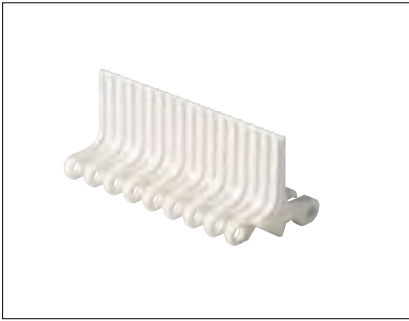
Depending on height and spacing the use of product supports may influence the backflex radius.

STANDARD
STRAIGHT RUNNING
PITCH 50.8 MM/2.00 IN

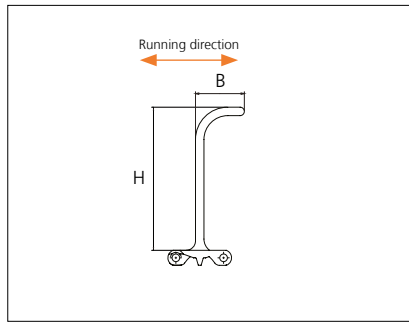




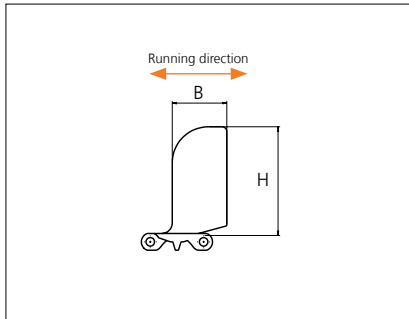
Type	Material & color	H		Link size	Width		Indent both sides	
		mm	in		mm	in	mm	in
Non Stick	PP-I <input type="checkbox"/> W <input checked="" type="checkbox"/> B <input checked="" type="checkbox"/> N	76.2	3.00	K600	151.0	5.94	0.0	0.00
	PE-I <input type="checkbox"/> W <input checked="" type="checkbox"/> B <input checked="" type="checkbox"/> N	101.6	4.00					



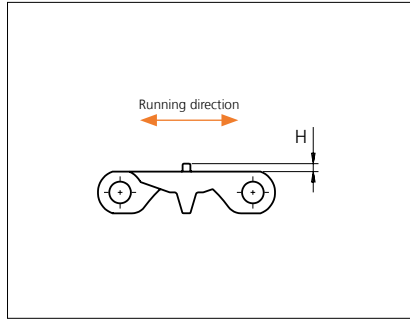
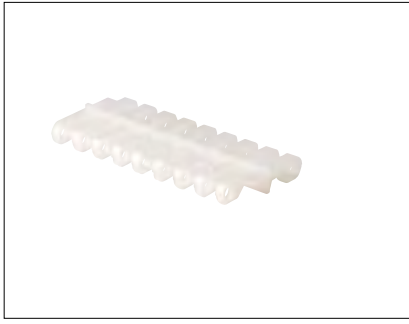
Type	Material & color	H		Link size	Width		Indent both sides	
		mm	in		mm	in	mm	in
10% Non Stick	PP-I <input type="checkbox"/> W <input checked="" type="checkbox"/> B <input checked="" type="checkbox"/> N	50.8	2.00	K600	151.0	5.94	0.0	0.00
	PE-I <input type="checkbox"/> W <input checked="" type="checkbox"/> B <input checked="" type="checkbox"/> N	76.2	3.00					
		101.6	4.00					




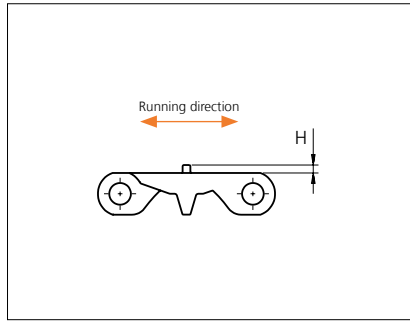
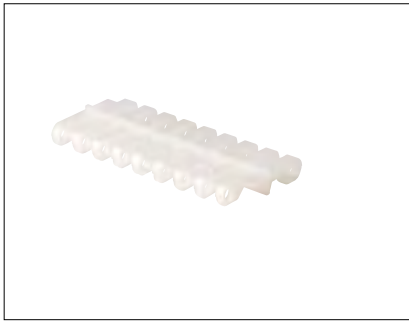
Type	Material & color	H		B		Link size	Width		Indent both sides	
		mm	in	mm	in		mm	in	mm	in
Bent	PP-I W B	76.2	3.00	52.0	2.05	K600	151.0	5.94	0.0	0.00
	PP-I W B	101.6	4.00							
	PE-I N									
	PP-I W B	152.4	6.00			K600				





Type	Material & color	H		B		Link size	Width		Indent both sides	
		mm	in	mm	in		mm	in	mm	in
Cupped	PP-I W	101.6	4.00	52.0	2.05	K600	151.0	5.94	0.0	0.00



Type	Material & color	H		Link size	Width		Indent both sides	
		mm	in		mm	in	mm	in
Flat 20%	PE-I 	5.0	0.20	K600	151.0	5.94	3.0	0.12



Type	Material & color	H		Link size	Width		Indent both sides	
		mm	in		mm	in	mm	in
Flat 22%	PE-I 	3.0	0.12	K600	151.0	5.94	3.0	0.12
	PE-I 							

uni MPB flights/141203



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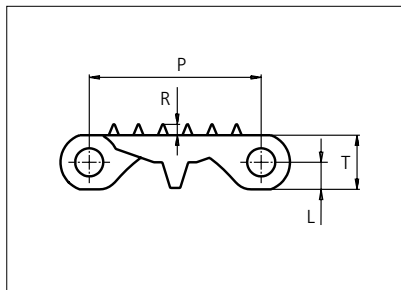
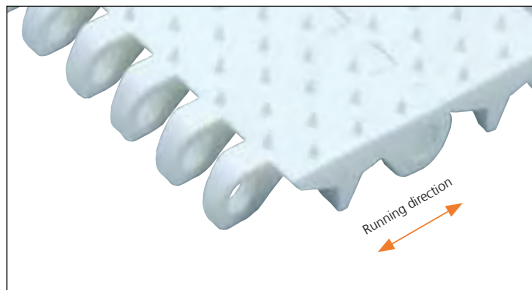
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Plastic Modular Belt

Series **uni MPB** Type **G**



Straight running belt
 Nominal pitch: 50.8 mm (2.00 in)
 Surface type: Grip
 Surface opening: Closed
 Backflex radius: 65.0 mm (2.6 in)
 Pin diameter: ø8 mm (0.31 in)

Belt material & color	POM-DI W		mm	in		mm	in
		P (Nominal)	50.8	2.00	R	3.2	0.13
Pin material & color	PP W						
		L	8.0	0.31	T	16.0	0.63

Non standard material and color: See uni Material and Color Overview.

Alternative pin and lock materials: Pin: PA6.6 N PP W PE W PBT LG SS304 Lockpin: PA6.6 B PBT LG Trilock: PA6.6 N

uni MPB G is available with an indent of 35.0 mm (1.38 in) in both sides (as uni MPB GE).

Belt width		Permissible tensile force (Belt/pin material)		Belt weight (Belt/pin material)		*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-DI/PP		POM-DI/PP			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	kg/m	lb/ft			
151	5.9	4153	933	1.8	1.21	2	2	2
202	8.0	5555	1249	2.4	1.62	2	2	2
252	9.9	6930	1558	3.0	2.02	2	2	2
302	11.9	8305	1867	3.6	2.42	3	3	2
353	13.9	9708	2182	4.2	2.82	3	3	2
403	15.9	11083	2491	4.8	3.22	3	3	2
453	17.8	12458	2800	5.4	3.62	4	4	2
504	19.8	13860	3116	6.0	4.03	4	4	2
554	21.8	15235	3425	6.6	4.43	4	4	2
604	23.8	16610	3734	7.2	4.83	5	5	3
655	25.8	18013	4049	7.8	5.24	5	5	3
705	27.8	19388	4358	8.4	5.64	5	5	3
755	29.7	20763	4667	9.0	6.04	6	6	3

Additional standard belt widths are available in steps of 50.3 mm (1.98 in.) Additional non-standard belt widths are available in steps of 16.8 mm (0.66 in).

1963	77.3	53983	12135	23.4	15.70	14	14	7
------	------	-------	-------	------	-------	----	----	---

Additional standard belt widths are available in steps of 50.3 mm (1.98 in.) Additional non-standard belt widths are available in steps of 16.8 mm (0.66 in).

2970	116.9	81675	18361	35.3	23.75	20	20	10
------	-------	-------	-------	------	-------	----	----	----

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.

*Max. Load per Drive Sprocket. Belt material: POM-DI with snub roller 2000 N (450 lbf) without snub roller 1250 N (281 lbf).

**Max. Spacing between wear strips, Carry: 152 mm (6 in); Return: 304 mm (12 in).

 = Single Link



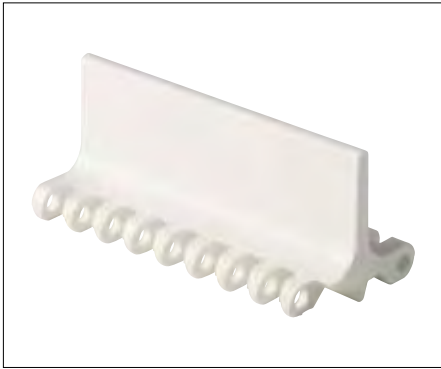
STANDARD

STRAIGHT RUNNING

PITCH 50.8 MM/2.00 IN

Accessories

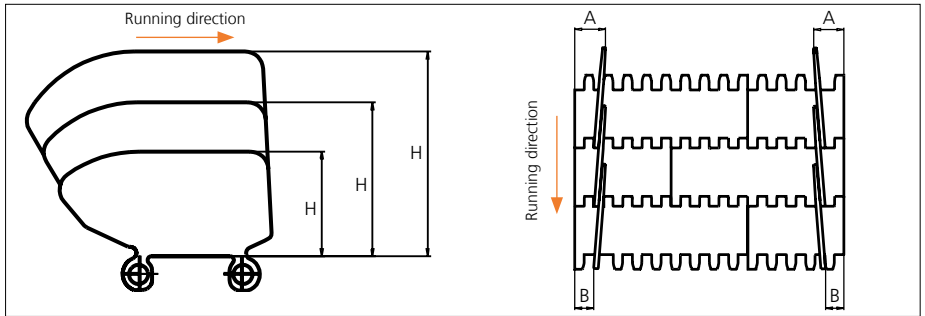
Flight



See separate uni MPB series Flight datasheet.

Accessories

Side Guard



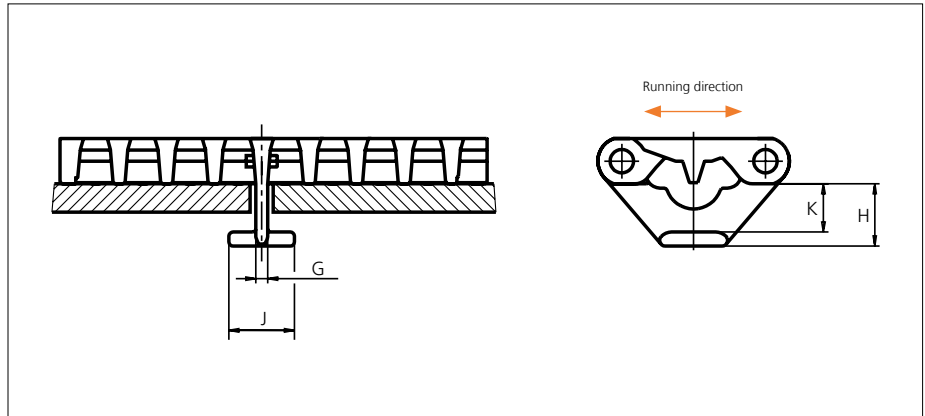
Type	Side Guard Material & color	H		A		B	
		mm	in	mm	in	mm	in
Closed	PE-I B N	50.8	2.00	32.0	1.26	16.0	0.63
	PP-I W B	76.2	3.00				
		101.6	4.00				

*34.0 mm (1.34 in) combined with flight. Increment: 8.4 mm (0.33 in).

Backflex radius when Side Guard are used: 200.0 mm (7.90 in).

Accessories

Tab



Type	Tab Material & color	G		J		K		H	
		mm	in	mm	in	mm	in	mm	in
Bottom Hold Down	POM-DI W	4.2	0.17	23.2	0.91	17.0	0.67	22.0	0.87

Note: When using taps, please verify sufficient clearance to the shaft. Max. shaft diameter = Sprocket pitch diameter - 63.5 mm (2.50 in). When using square shafts, please verify that the diagonal does not exceed max. diameter. Example: Sprocket z = 6: Max. shaft diameter 101.6 - 63.5 = \varnothing 38.1 mm (4.00 - 2.50 = \varnothing 1.4 in).

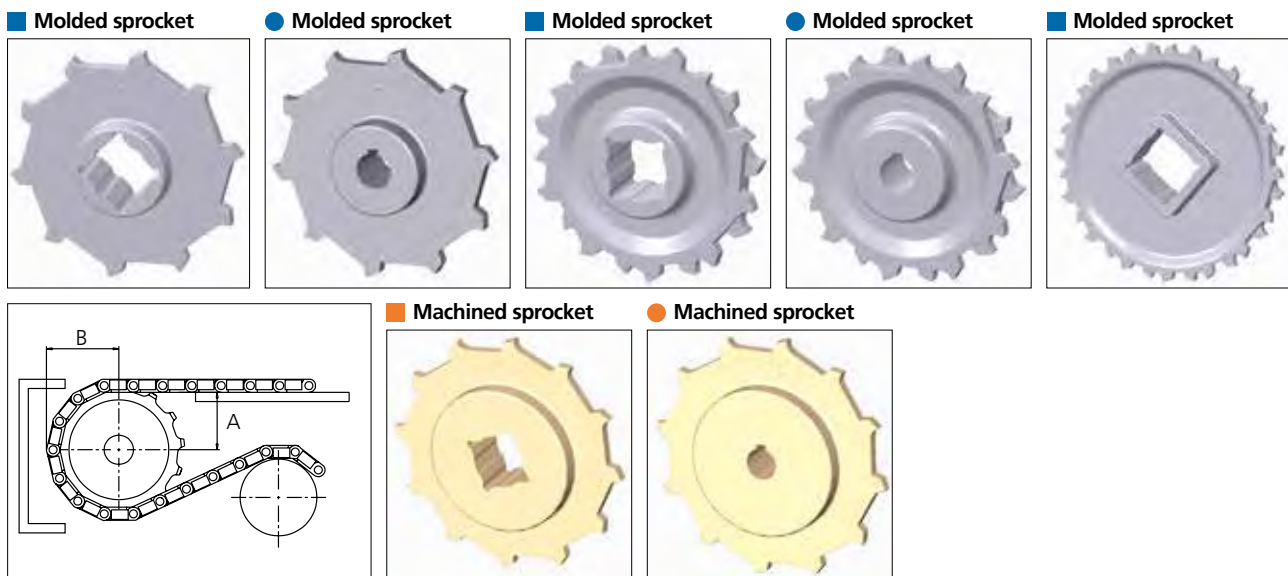
Note: When using a belt system with tabs, the temperature should be constant. Please note that the tabs are not always placed in the middle of the belt.

Non Standard material and color: See uni Material and Color Overview.

Sprocket

No of teeth	Bore size													Overall diameter		Pitch-diameter		Hub-diameter		A-dimension		B-dimension		Single row/One way	Double row/Two way	Molded PA6 LG	Machined PA6 N
	Pilot bore	in	0.75	0.78	0.98	1.00	1.18	1.25	1.50	1.57	2.36	2.50	3.54														
	mm	19.1	20.0	25.0	25.4	30.0	31.8	38.1	40.0	60.0	63.5	90.0	mm	in	mm	in	mm	in	mm	in							
Z06	x				●	●	●	■	■				99.5	3.92	101.6	4.00	65.0	2.56	36.0	1.42	59.3	2.33	x		x		
Z08	x				●	●	●	■	■				132.9	5.23	132.8	5.23	65.0	2.56	53.3	2.10	74.9	2.95	x		x		
Z10	x					●	●	■	■				166.3	6.55	164.4	6.47	65.0	2.56	70.2	2.76	90.7	3.57	x	x	x		
Z10										■	■		166.3	6.55	164.4	6.47	120.0	4.72	70.2	2.76	90.7	3.57	x	x	x		
Z12	x					●	●	■	■	■	■		198.6	7.82	196.3	7.73	120.0	4.72	86.8	3.42	106.6	4.20	x	x	x		
Z16	x					●	●	■	■	■	■		263.8	10.39	260.4	10.25	160.0	5.90	119.7	4.71	138.7	5.46		x	x		
Z16	x					●	●	■	■	■	■		263.8	10.39	260.4	10.25	150.0	5.90	119.7	4.71	138.7	5.46	x			x	

Non standard material and color: See uni Material and Color Overview.



Other sprocket sizes are available upon request.

Two-part sprocket are available upon request.

Round bores are always delivered with keyway.

Other bore sizes are available upon request.

uni Retainer Rings: See uni Retainer Ring data sheet

Width of sprocket = Single row: 42.3 mm (1.66 in)

Double row: 50.0 mm (1.96 in)

Width of tooth = Single row: 9.5 mm (0.37 in)

Double row: 17.0 mm (0.66 in)

Max load per sprocket shown does not take bore size into account.

Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni MPB.

For more detailed sprocket information, contact Customer Service.



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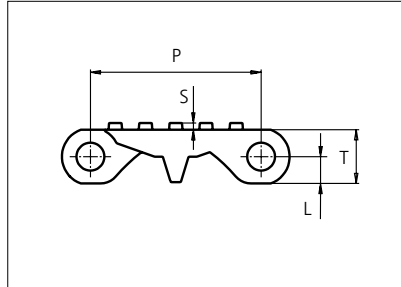
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Plastic Modular Belt

Series **uni MPB** Type **N**



Straight running belt
 Nominal pitch: 50.8 mm (2.00 in)
 Surface type: No Cling
 Surface opening: Closed
 Backflex radius: 65.0 mm (2.6 in)
 Pin diameter: ø8 mm (0.31 in)

Belt material & color	PE-I		mm	in		mm	in
		P (Nominal)	50.8	2.00	S	2.0	0.08
Pin material & color	PE						
		L	8.0	0.31	T	16.0	0.63

Non standard material and color: See uni Material and Color Overview.

Alternative pin and lock materials: Pin: PA6.6 PP PE PBT SS304 Lockpin: PA6.6 PBT Trilock: PA6.6

uni MPB N is available with an indent of 35.0 mm (1.38 in) in both sides (as uni MPB NE).

Belt width		Permissible tensile force (Belt/pin material)		Belt weight (Belt/pin material)		*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		PE-I/PE		PE-I/PE			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	kg/m	lb/ft			
151	5.9	1963	441	1.3	0.89	2	2	2
202	8.0	2626	590	1.8	1.19	2	2	2
252	9.9	3276	736	2.2	1.49	2	2	2
302	11.9	3926	883	2.7	1.79	3	3	2
353	13.9	4589	1032	3.1	2.09	3	3	2
403	15.9	5239	1178	3.5	2.38	3	3	2
453	17.8	5889	1324	4.0	2.68	4	4	2
504	19.8	6552	1473	4.4	2.98	4	4	2
554	21.8	7202	1619	4.9	3.28	4	4	2
604	23.8	7852	1765	5.3	3.57	5	5	3
655	25.8	8515	1914	5.8	3.87	5	5	3
705	27.8	9165	2060	6.2	4.17	5	5	3
755	29.7	9815	2206	6.6	4.47	6	6	3

Additional standard belt widths are available in steps of 50.3 mm (1.98 in.) Additional non-standard belt widths are available in steps of 16.8 mm (0.66 in).

1963	77.3	25519	5737	17.3	11.61	14	14	7
------	------	-------	------	------	-------	----	----	---

Additional standard belt widths are available in steps of 50.3 mm (1.98 in.) Additional non-standard belt widths are available in steps of 16.8 mm (0.66 in).

2970	116.9	38610	8680	26.1	17.56	20	20	10
------	-------	-------	------	------	-------	----	----	----

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.

*Max. Load per Drive Sprocket. Belt material: POM-DI with snub roller 2000 N (450 lbf) without snub roller 1250 N (281 lbf).

**Max. Spacing between wear strips, Carry: 152 mm (6 in); Return: 304 mm (12 in).

= Single Link



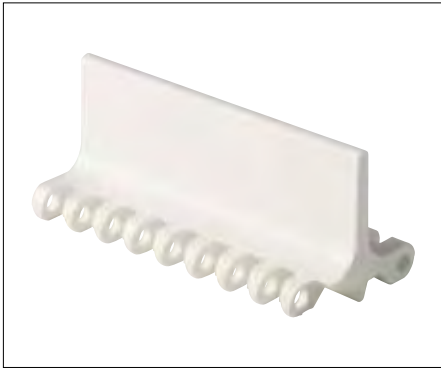
STANDARD

STRAIGHT RUNNING

PITCH 50.8 MM/2.00 IN

Accessories

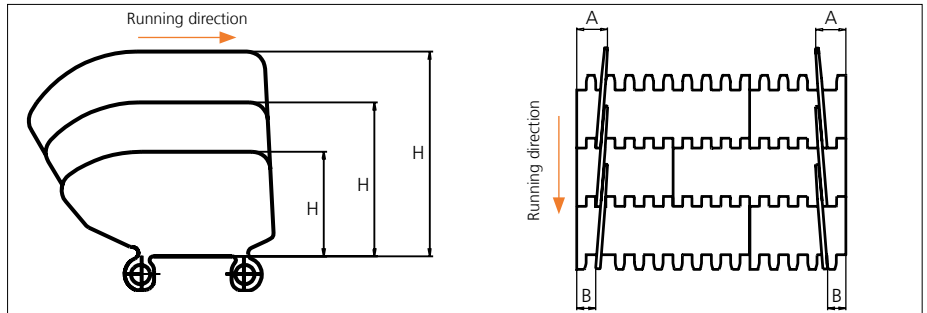
Flight



See separate uni MPB series Flight datasheet.

Accessories

Side Guard



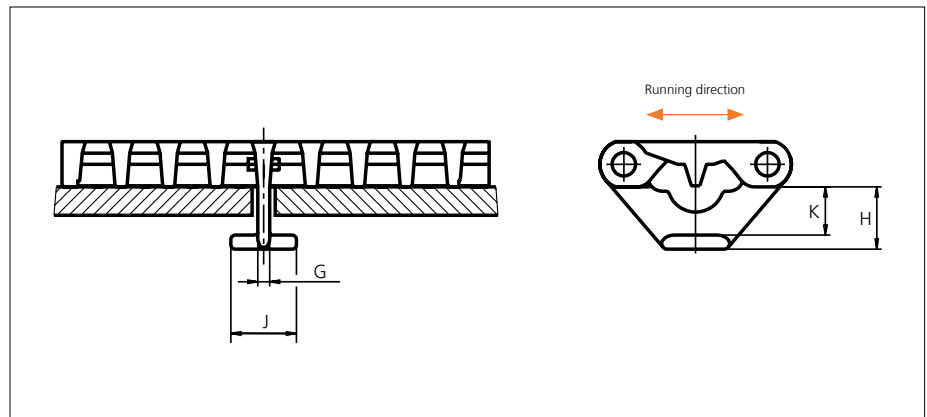
Type	Side Guard Material & color	H		A		B	
		mm	in	mm	in	mm	in
Closed	PE-I B N	50.8	2.00	32.0	1.26	16.0	0.63
	PP-I W B	76.2	3.00				
		101.6	4.00				

*34.0 mm (1.34 in) combined with flight. Increment: 8.4 mm (0.33 in).

Note: Backflex radius when Side Guard are used: 200.0 mm (7.90 in)

Accessories

Tab



Type	Tab Material & color	G		J		K		H	
		mm	in	mm	in	mm	in	mm	in
Bottom Hold Down	POM-DI W	4.2	0.17	23.2	0.91	17.0	0.67	22.0	0.87

Note: When using taps, please verify sufficient clearance to the shaft. Max. shaft diameter = Sprocket pitch diameter - 63.5 mm (2.50 in). When using square shafts, please verify that the diagonal does not exceed max. diameter. Example: Sprocket z = 6: Max. shaft diameter 101.6 - 63.5 = \varnothing 38.1 mm (4.00 - 2.50 = \varnothing 1.4 in).

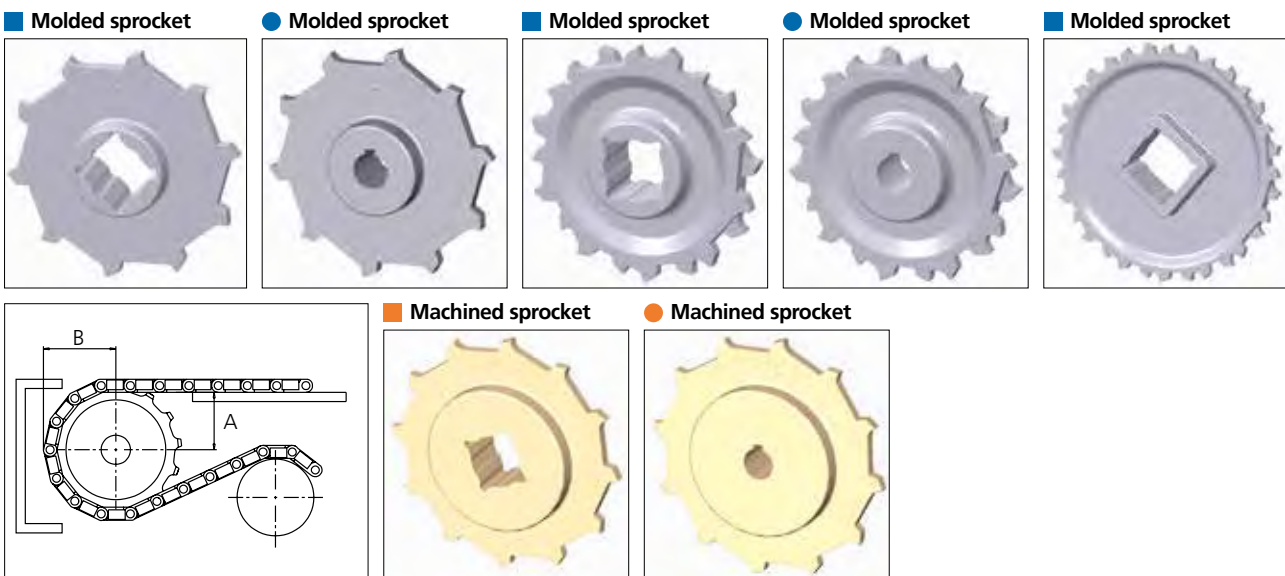
Note: When using a belt system with tabs, the temperature should be constant. Please note that the tabs are not always placed in the middle of the belt.

Non Standard material and color: See uni Material and Color Overview.

Sprocket

No of teeth	Bore size													Overall diameter		Pitch diameter		Hub diameter		A-dimension		B-dimension		Single row/One way	Double row/Two way	Molded PA6 LG	Machined PA6 N
	Pilot bore	in	0.75	0.78	0.98	1.00	1.18	1.25	1.50	1.57	2.36	2.50	3.54														
	mm	19.1	20.0	25.0	25.4	30.0	31.8	38.1	40.0	60.0	63.5	90.0	mm	in	mm	in	mm	in	mm	in							
Z06	x				●	●	●	■	■				99.5	3.92	101.6	4.00	65.0	2.56	36.0	1.42	59.3	2.33	x		x		
Z08	x				●	●	●	■	■				132.9	5.23	132.8	5.23	65.0	2.56	53.3	2.10	74.9	2.95	x		x		
Z10	x					●	●	■	■				166.3	6.55	164.4	6.47	65.0	2.56	70.2	2.76	90.7	3.57	x	x	x		
Z10										■	■		166.3	6.55	164.4	6.47	120.0	4.72	70.2	2.76	90.7	3.57	x	x	x		
Z12	x					●	●	■	■	■	■		198.6	7.82	196.3	7.73	120.0	4.72	86.8	3.42	106.6	4.20	x	x	x		
Z16	x					●	●	■	■	■	■		263.8	10.39	260.4	10.25	160.0	5.90	119.7	4.71	138.7	5.46		x	x		
Z16	x					●	●	■	■	■	■		263.8	10.39	260.4	10.25	150.0	5.90	119.7	4.71	138.7	5.46	x			x	

Non standard material and color: See uni Material and Color Overview.



Other sprocket sizes are available upon request.

Two-part sprocket are available upon request.

Round bores are always delivered with keyway.

Other bore sizes are available upon request.

uni Retainer Rings: See uni Retainer Ring data sheet

Width of sprocket = Single row: 42.3 mm (1.66 in)

Double row: 50.0 mm (1.96 in)

Width of tooth = Single row: 9.5 mm (0.37 in)

Double row: 17.0 mm (0.66 in)

Max load per sprocket shown does not take bore size into account.

Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni MPB.

For more detailed sprocket information, contact Customer Service.



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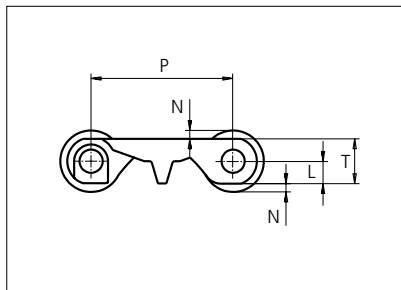
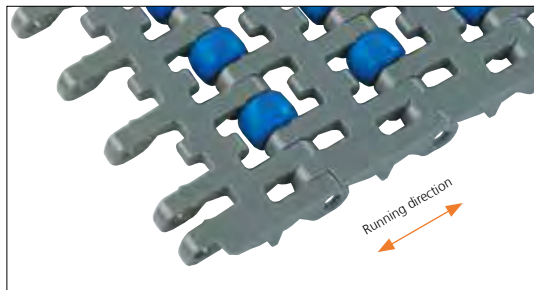
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Plastic Modular Belt

Series **uni MPB** Type **RO**



Straight running belt
 Nominal pitch: 50.8 mm (2.00 in)
 Surface type: Roller Top
 Surface opening: 22%
 Backflex radius: 65.0 mm (2.6 in)
 Pin diameter: ø8 mm (0.31 in)

Belt material & color	POM-DI G		mm	in		mm	in
Pin material & color	PP W	P (Nominal)	50.8	2.00	L	8.0	0.31
		N	3.0	0.12	T	16.0	0.63

Non standard material and color: See uni Material and Color Overview.

Alternative pin and lock materials: Pin: PA6.6 **N** PP **W** PE **W** PBT **LG** SS304 Lockpin: PA6.6 **B** PBT **LG** Trilock: PA6.6 **N**

Belt width		Permissible tensile force (Belt/pin material)		Belt weight (Belt/pin material)		*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-DI/PP		POM-DI/PP			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	kg/m	lb/ft			
151	5.9	1661	373	1.7	1.15	2	2	2
185	7.3	2030	456	2.1	1.40	2	2	2
202	8.0	2222	500	2.3	1.53	2	2	2
252	9.9	2772	623	2.8	1.91	2	2	2
302	11.9	3322	747	3.4	2.29	3	3	2
353	13.9	3883	873	4.0	2.68	3	3	2
403	15.9	4433	997	4.6	3.06	3	3	2
453	17.8	4983	1120	5.1	3.44	4	4	2
504	19.8	5544	1246	5.7	3.83	4	4	2
554	21.8	6094	1370	6.3	4.21	4	4	2
604	23.8	6644	1494	6.8	4.59	5	5	3
655	25.8	7205	1620	7.4	4.97	5	5	3
705	27.8	7755	1743	8.0	5.35	5	5	3

Additional standard belt widths are available in steps of 50.3 mm (1.98 in.) Additional non-standard belt widths are available in steps of 16.8 mm (0.66 in.)

1963	77.3	21593	4854	22.2	14.91	14	14	7
------	------	-------	------	------	-------	----	----	---

Additional standard belt widths are available in steps of 50.3 mm (1.98 in.) Additional non-standard belt widths are available in steps of 16.8 mm (0.66 in.)

2970	116.9	32670	7344	33.6	22.55	20	20	10
------	-------	-------	------	------	-------	----	----	----

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.

*Max. Load per Drive Sprocket. Belt material: PP with snub roller 2000 N (450 lbf) without snub roller 1250 N (281 lbf).

**Max. Spacing between wear strips, Carry: 152 mm (6 in); Return: 304 mm (12 in).

= Single Link



STANDARD

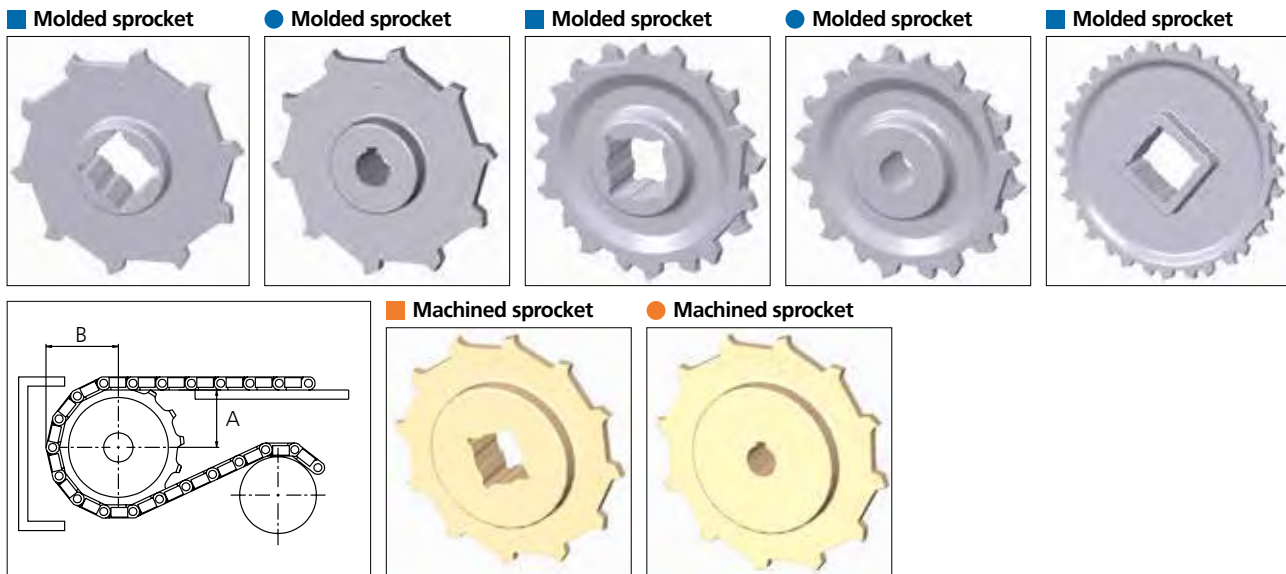
STRAIGHT RUNNING

PITCH 50.8 MM/2.00 IN

Sprocket

No of teeth	Bore size													Overall diameter		Pitch-diameter		Hub-diameter		A-dimension		B-dimension		Single row/One way	Double row/Two way	Molded PA6 LG	Machined PA6 N
	Pilot bore	in	0.75	0.78	0.98	1.00	1.18	1.25	1.50	1.57	2.36	2.50	3.54														
	mm	19.1	20.0	25.0	25.4	30.0	31.8	38.1	40.0	60.0	63.5	90.0	mm	in	mm	in	mm	in	mm	in							
Z06	x				●	●	●	■	■				99.5	3.92	101.6	4.00	65.0	2.56	36.0	1.42	59.3	2.33	x		x		
Z08	x				●	●	●	■	■				132.9	5.23	132.8	5.23	65.0	2.56	53.3	2.10	74.9	2.95	x		x		
Z10	x					●	●	●	■	■			166.3	6.55	164.4	6.47	65.0	2.56	70.2	2.76	90.7	3.57	x	x	x		
Z10										■	■		166.3	6.55	164.4	6.47	120.0	4.72	70.2	2.76	90.7	3.57	x	x	x		
Z12	x					●	●	●	■	■	■		198.6	7.82	196.3	7.73	120.0	4.72	86.8	3.42	106.6	4.20	x	x	x		
Z16	x					●	●	●	■	■	■		263.8	10.39	260.4	10.25	160.0	5.90	119.7	4.71	138.7	5.46		x	x		
Z16	x					●	●	●	■	■	■		263.8	10.39	260.4	10.25	150.0	5.90	119.7	4.71	138.7	5.46	x			x	

Non standard material and color: See uni Material and Color Overview.



Other sprocket sizes are available upon request.

Two-part sprocket are available upon request.

Round bores are always delivered with keyway.

Other bore sizes are available upon request.

uni Retainer Rings: See uni Retainer Ring data sheet

Width of sprocket = Single row: 42.3 mm (1.66 in)

Double row: 50.0 mm (1.96 in)

Width of tooth = Single row: 9.5 mm (0.37 in)

Double row: 17.0 mm (0.66 in)

Max load per sprocket shown does not take bore size into account.

Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni MPB.

For more detailed sprocket information, contact Customer Service.



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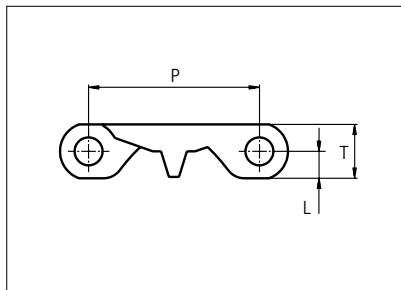
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Plastic Modular Belt

Series **uni MPB** Type **18%**



Straight running belt
 Nominal pitch: 50.8 mm (2.00 in)
 Surface type: Flat
 Surface opening: 18%
 Backflex radius: 65.0 mm (2.6 in)
 Pin diameter: ø8 mm (0.31 in)

Belt material & color	POM-DI W	PP W	PE-I N	PP-HW LB	mm	in	T	mm	in
Pin material & color	Pin: PP W		Pin: PE W	Pin: PP-HW LB	L	8.0	0.31		
								-	-

Non standard material and color: See uni Material and Color Overview.

Alternative pin and lock materials: Pin: PA6.6 **N** PP **W** PE **W** PBT **LG** SS304 Lockpin: PA6.6 **B** PBT **LG** Trilock: PA6.6 **N**

Belt width		Permissible tensile force (Belt/pin material)						Belt weight (Belt/pin material)						*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-DI/PP		PP/PP PP-HW/PP-HW		PE-I/PE		POM-DI/PP		PP/PP PP-HW/PP-HW		PE-I/PE			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft	kg/m	lb/ft			
68	2.7	1870	420	1088	245	884	199	0.8	0.51	0.5	0.34	0.5	0.37	2	2	2
84	3.3	2307	519	1342	302	1091	245	0.9	0.63	0.6	0.42	0.7	0.45	2	2	2
151	5.9	4153	933	2416	543	1963	441	1.7	1.13	1.1	0.76	1.2	0.81	2	2	2
185	7.3	5075	1141	2953	664	2399	539	2.0	1.38	1.4	0.93	1.5	0.99	2	2	2
202	8.0	5555	1249	3232	727	2626	590	2.2	1.51	1.5	1.02	1.6	1.09	2	2	2
252	9.9	6930	1558	4032	906	3276	736	2.8	1.88	1.9	1.27	2.0	1.35	2	2	2
302	11.9	8305	1867	4832	1086	3926	883	3.4	2.25	2.3	1.52	2.4	1.62	3	3	2
353	13.9	9708	2182	5648	1270	4589	1032	3.9	2.63	2.6	1.78	2.8	1.90	3	3	2
403	15.9	11083	2491	6448	1450	5239	1178	4.5	3.01	3.0	2.03	3.2	2.17	3	3	2
453	17.8	12458	2800	7248	1629	5889	1324	5.0	3.38	3.4	2.28	3.6	2.44	4	4	2
504	19.8	13860	3116	8064	1813	6552	1473	5.6	3.76	3.8	2.54	4.0	2.71	4	4	2
554	21.8	15235	3425	8864	1993	7202	1619	6.1	4.13	4.2	2.79	4.4	2.98	4	4	2

Additional standard belt widths are available in steps of 50.3 mm (1.98 in.) Additional non-standard belt widths are available in steps of 16.8 mm (0.66 in.)

1963	77.3	53983	12135	31408	7061	25519	5737	21.8	14.64	14.7	9.89	15.7	10.55	14	14	7
------	------	-------	-------	-------	------	-------	------	------	-------	------	------	------	-------	----	----	---

Additional standard belt widths are available in steps of 50.3 mm (1.98 in.) Additional non-standard belt widths are available in steps of 16.8 mm (0.66 in.)

2970	116.9	81675	18361	47520	10682	38610	8680	33.0	22.16	22.3	14.97	23.8	15.97	20	20	10
------	-------	-------	-------	-------	-------	-------	------	------	-------	------	-------	------	-------	----	----	----

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.

*Max. Load per Drive Sprocket. Belt material: POM-DI with snub roller 2000 N (450 lbf) without snub roller 1250 N (281 lbf).

**Max. Spacing between wear strips, Carry: 152 mm (6 in); Return: 304 mm (12 in).

= Single Link



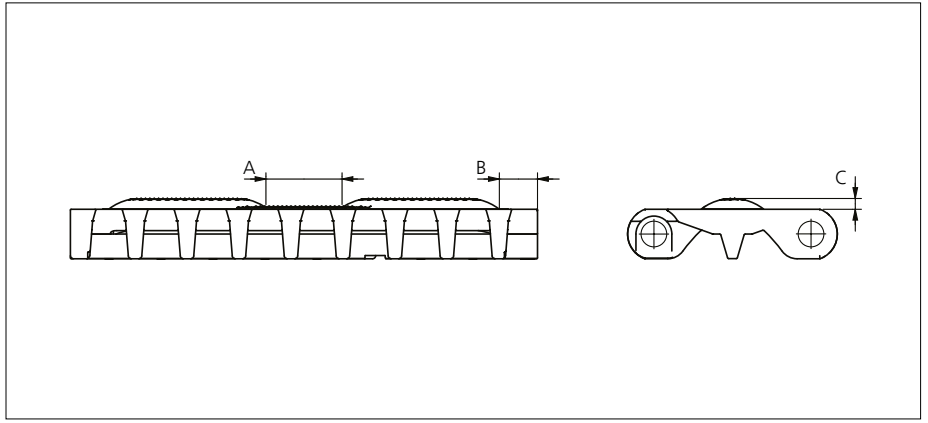
STANDARD

STRAIGHT RUNNING

PITCH 50.8 MM/2.00 IN

Accessories

Rubber Top



Type	Belt Material & color	Rubber Material & color	A		B		C		Link size	Width	
			mm	in	mm	in	mm	in		mm	in
Curved Rough	POM-DI W	01 N	24.0	0.94	10.0	0.39	3.5	0.14	K600	151.0	5.94

Non Standard material and color: See uni Material and Color Overview.

Accessories

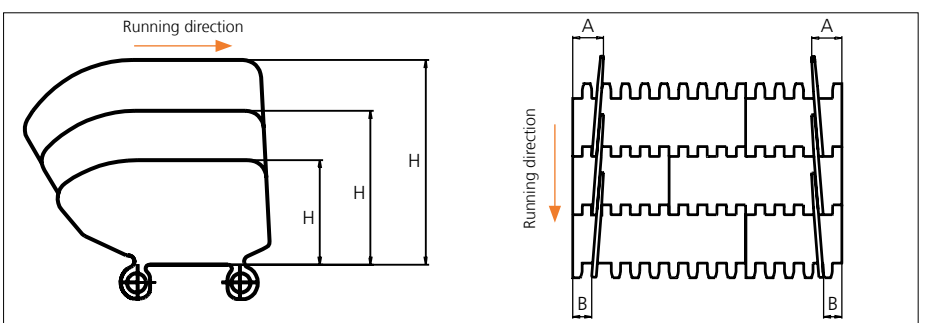
Flight



See separate uni MPB series Flight datasheet.

Accessories

Side Guard



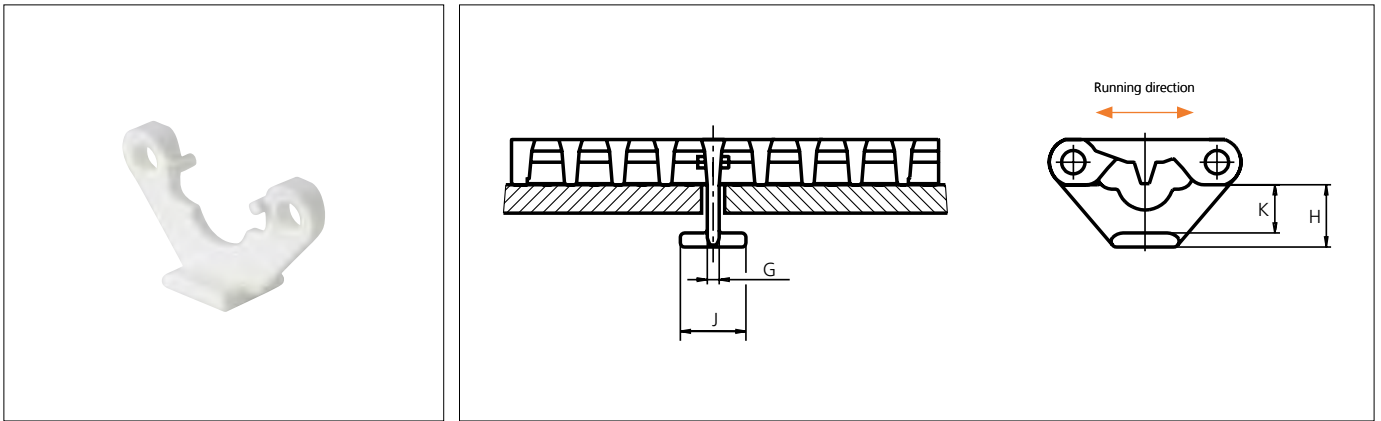
Type	Side Guard Material & color	H		A		B	
		mm	in	mm	in	mm	in
Closed	PE-I B N PP-I W B	50.8	2.00	32.0	1.26	16.0	0.63
		76.2	3.00				
		101.6	4.00				

*34.0 mm (1.34 in) combined with flight. Increment: 8.4 mm (0.33 in).

Note: Backflex radius when Side Guards are used: 200.0 mm (7.90 in)

Accessories

Tab



Type	Tab Material & color	G		J		K		H	
		mm	in	mm	in	mm	in	mm	in
Bottom Hold Down	POM-DI w	4.2	0.17	23.2	0.91	17.0	0.67	22.0	0.87

Note: When using tabs, please verify sufficient clearance to the shaft. Max. shaft diameter = Sprocket pitch diameter - 63.5 mm (2.50 in). When using square shafts, please verify that the diagonal does not exceed max. diameter. Example: Sprocket z = 6: Max. shaft diameter 101.6 - 63.5 = \varnothing 38.1 mm (4.00 - 2.50 = \varnothing 1.4 in).

Note: When using a belt system with tabs, the temperature should be constant. Please note that the tabs are not always placed in the middle of the belt.

Non Standard material and color: See uni Material and Color Overview.

Accessories

Non standard uni AmFlight

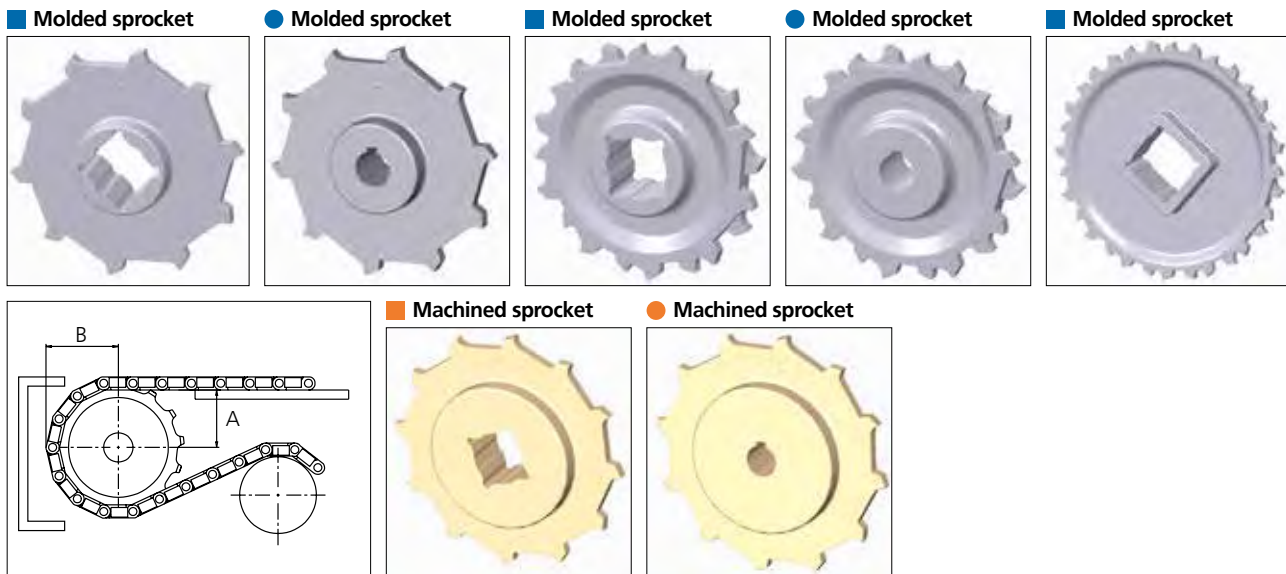


Other non standard option: See uni AmFlight Overview.

Sprocket

No. of teeth	Bore size												Overall diameter		Pitch-diameter		Hub-diameter		A-dimension		B-dimension		Single row/One way	Double row/Two way	Molded PA6 LG	Machined PA6 N
	Pilot bore	in	0.75	0.78	0.98	1.00	1.18	1.25	1.50	1.57	2.36	2.50														
	mm	19.1	20.0	25.0	25.4	30.0	31.8	38.1	40.0	60.0	63.5	90.0	mm	in	mm	in	mm	in	mm	in						
Z06	x				●	●	●	■	■			99.5	3.92	101.6	4.00	65.0	2.56	36.0	1.42	59.3	2.33	x	x			
Z08	x				●	●	●	■	■			132.9	5.23	132.8	5.23	65.0	2.56	53.3	2.10	74.9	2.95	x	x			
Z10	x					●	●	■	■			166.3	6.55	164.4	6.47	65.0	2.56	70.2	2.76	90.7	3.57	x	x	x		
Z10										■	■	166.3	6.55	164.4	6.47	120.0	4.72	70.2	2.76	90.7	3.57	x	x	x		
Z12	x					●	●	■	■	■	■	198.6	7.82	196.3	7.73	120.0	4.72	86.8	3.42	106.6	4.20	x	x	x		
Z16	x					●	●	■	■	■	■	263.8	10.39	260.4	10.25	160.0	5.90	119.7	4.71	138.7	5.46		x	x		
Z16	x					●	●	■	■	■	■	263.8	10.39	260.4	10.25	150.0	5.90	119.7	4.71	138.7	5.46	x		x		

Non standard material and color: See uni Material and Color Overview.



Other sprocket sizes are available upon request.

Two-part sprocket are available upon request.

Round bores are always delivered with keyway.

Other bore sizes are available upon request.

uni Retainer Rings: See uni Retainer Ring data sheet

Width of sprocket = Single row: 42.3 mm (1.66 in)

Double row: 50.0 mm (1.96 in)

Width of tooth = Single row: 9.5 mm (0.37 in)

Double row: 17.0 mm (0.66 in)

Max. load per sprocket shown does not take bore size into account.

Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni MPB.

For more detailed sprocket information, contact Customer Service.



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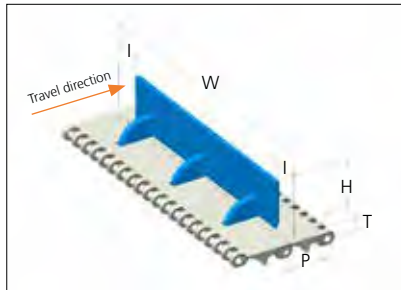
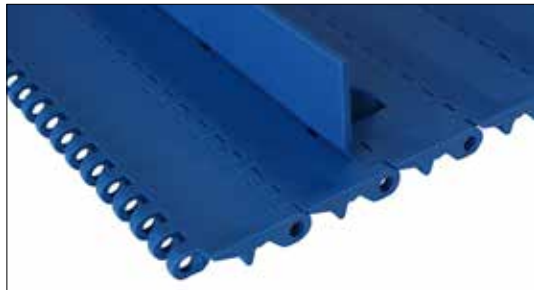
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Plastic Modular Belt

uni MPB Pop-up flight



Straight running elevator belt
 Nominal pitch: 50.8 mm (2.00 in)
 Surface type: Flat
 Surface opening: Closed
 Backflex radius: 100 mm (3.9 in) min.
 Pin diameter: 8 mm (0.31 in)

Belt material & color	PP W B	PE-I N B		mm	in		mm	in
Pin material & color	PP W	PE W	H	54.8	2.16	T	16.0	0.63
Flight material & color	PP-I W B	PE-I W B	I	34.0	1.34	-	-	-
			P	50.8	2.00	-	-	-

Non standard material and color: See uni Material and Color Overview.

Alternative pin and lock materials: Pin: PA6.6 N PP W PE W PBT LG SS304

Lockpin: PA6.6 B PBT LG

Belt load capacity

Belt dimensions						Permissible tensile force (Belt/pin material)				Maximum product load per flight row	
Belt width (W)		Indents (I)*		Flight width (B)		PP/PP		PE-I/PE		Kg	Lbs
mm	in	mm	in	mm	in	N	lbf	N	lbf		
302	11.9	34	1.34	234	9.2	4832	1086	3926	883	12	27
353	13.9	34	1.34	285	11.2	5648	1270	4589	1032	14	31
403	15.9	34	1.34	335	13.2	6448	1450	5239	1178	16	36
453	17.8	34	1.34	385	15.2	7248	1629	5889	1324	18	40
504	19.8	34	1.34	436	19.2	8064	1813	6552	1473	20	44
554	21.8	34	1.34	486	19.1	8864	1993	7202	1619	22	49
604	23.8	34	1.34	536	21.1	9664	2173	7852	1765	24	53

General width tolerance is +0/-0.4% at 23°C/73°F.

Additional non-standard belt widths are available in steps of 16.8 mm (0.66 in).

*Standard indent 34 mm (1.34 in), other indents upon request.



STANDARD

STRAIGHT RUNNING

PITCH 50.8 MM/2.00 IN

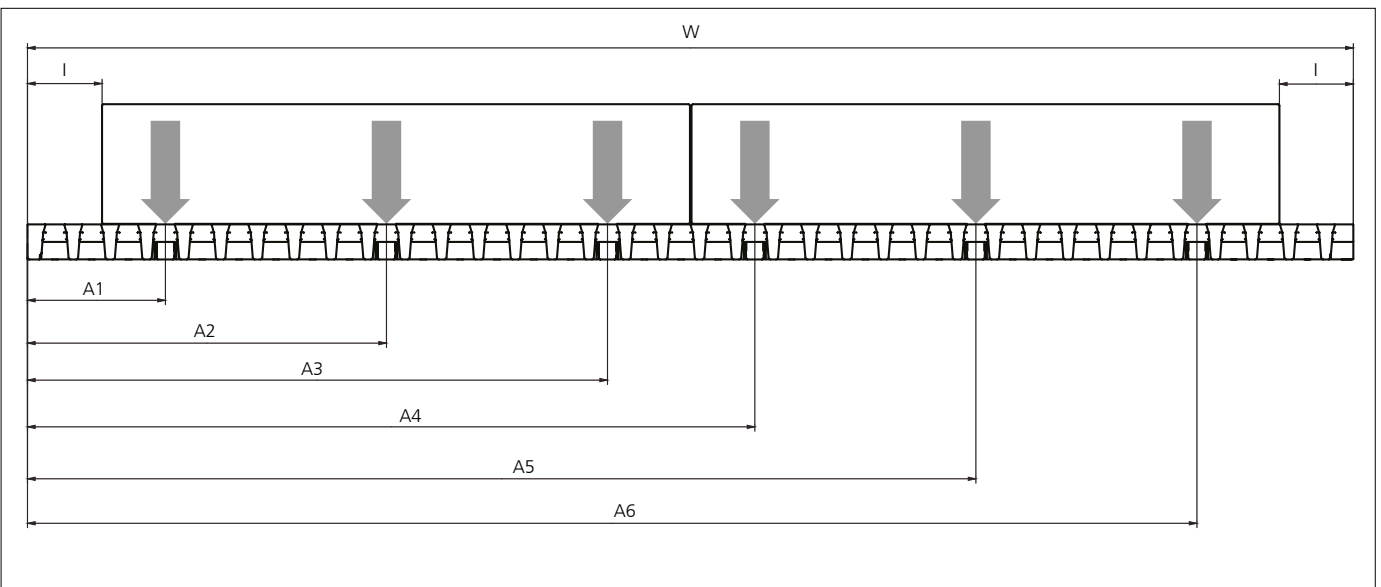
Belt dimensions		Base belt weight (Belt/pin material)				ADD weight per flight row				Construction information		
										Min. no drive sprockets*	No flight cams/ activation wearstrips	Min number of support wearstrips
Belt width (W)		PP/PP		PE-I/PE		PP-I/PP		PE-I/PE		Pieces	Pieces	Pieces
mm	in	Kg/m	lb/ft	Kg/m	lb/ft	Kg/m	lb/ft	Kg/m	lb/ft			
302	11.9	2.5	1.7	2.7	1.8	0.08	0.17	0.08	0.18	2	3	2
353	13.9	2.9	2.0	3.1	2.1	0.10	0.22	0.10	0.23	2	4	2
403	15.9	3.3	2.2	3.5	2.4	0.12	0.26	0.13	0.28	2	4	2
453	17.8	3.8	2.5	4.0	2.7	0.13	0.28	0.14	0.30	3	5	2
504	19.8	4.2	2.8	4.4	3.0	0.14	0.31	0.15	0.33	3	5	2
554	21.8	4.6	3.1	4.9	3.3	0.16	0.35	0.17	0.38	4	6	2
604	23.8	5.0	3.4	5.3	3.6	0.17	0.38	0.18	0.40	4	6	2

*Max. Load per Drive Sprocket. Belt material: POM-DI with snub roller 2000 N (450 lbf) without snub roller 1250 N (281 lbf)

Placing of activation wearstrips

Belt dimensions						Activation wearstrips Distance from belt left hand edge											
Belt width (W)		Indents* (I)		Flight width (B)		A1		A2		A3		A4		A5		A6	
mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in
302	11.9	34	1.34	234	9.2	46	1.81	147	5.79	248	9.76	-	-	-	-	-	-
353	13.9	34	1.34	285	11.2	63	2.48	164	6.46	197	7.76	298	11.73	-	-	-	-
403	15.9	34	1.34	335	13.2	63	2.48	164	6.46	231	9.09	332	13.07	-	-	-	-
453	17.8	34	1.34	385	15.2	46	1.81	147	5.79	248	9.76	298	11.73	399	15.71	-	-
504	19.8	34	1.34	436	19.2	63	2.48	164	6.46	265	10.43	332	13.07	433	17.05	-	-
554	21.8	34	1.34	486	19.1	46	1.81	147	5.79	248	9.76	281	11.06	382	15.04	483	19.02
604	23.8	34	1.34	536	21.1	63	2.48	164	6.46	265	10.43	332	13.07	433	17.05	533	20.98

*Standard indent 34 mm (1.34 in), other indents upon request.



↓ = Placing of activation wearstrip

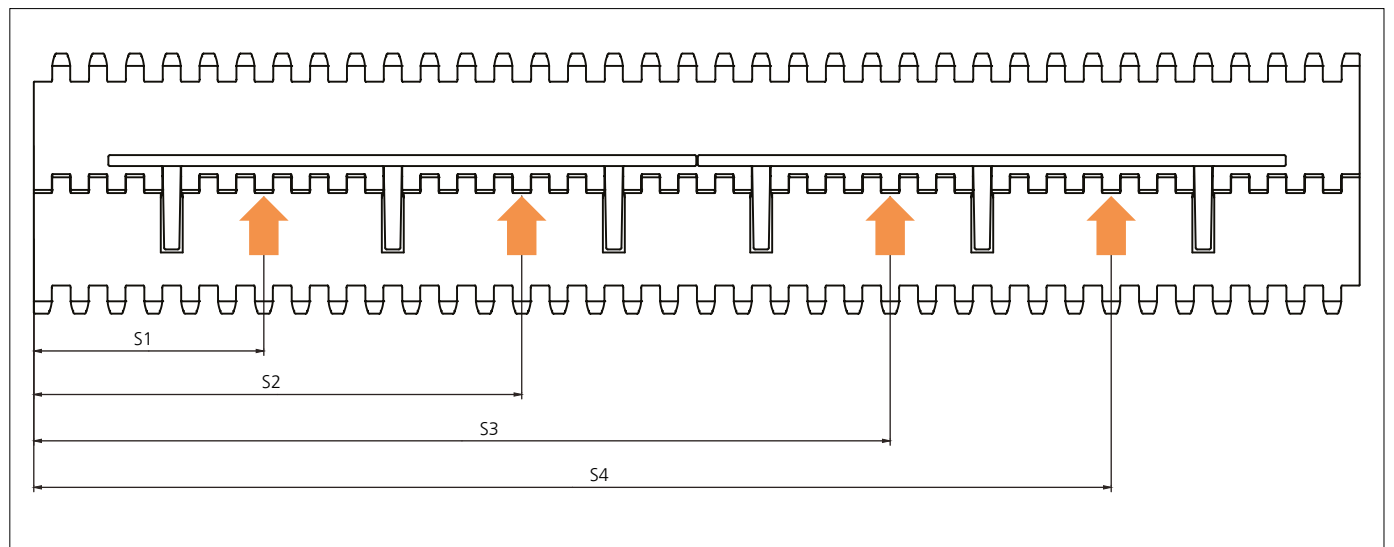
Dimensions for Pop-up flight system are from left hand edge of belt, looking down from top of belt with travel direction moving away from viewing point.

Placing of sprockets

Belt dimensions						Min. No drive sprockets**	Sprocket Position Distance from belt left hand edge							
Belt width (W)		Indents* (I)		Flight width (B)			S1		S2		S3		S4	
mm	in	mm	in	mm	in		mm	in	mm	in	mm	in	mm	in
302	11.9	34	1.34	234	9.2	2	88	3.46	206	8.11	-	-	-	-
353	13.9	34	1.34	285	11.2	2	105	4.13	256	10.08	-	-	-	-
403	15.9	34	1.34	335	13.2	2	105	4.13	290	11.42	-	-	-	-
453	17.8	34	1.34	385	15.2	3	88	3.46	206	8.11	357	14.06	-	-
504	19.8	34	1.34	436	19.2	3	105	4.13	223	8.78	391	15.39	-	-
554	21.8	34	1.34	486	19.1	4	88	3.46	206	8.11	323	12.72	441	17.36
604	23.8	34	1.34	536	21.1	4	105	4.13	223	8.78	374	14.72	491	19.33

*Standard indent 34 mm (1.34 in), other indents upon request.

**Max. Load per Drive Sprocket. Belt material: POM-DI with snub roller 2000 N (450 lbf) without snub roller 1250 N (281 lbf)

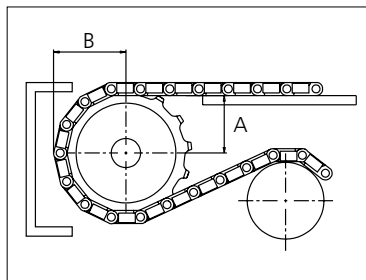
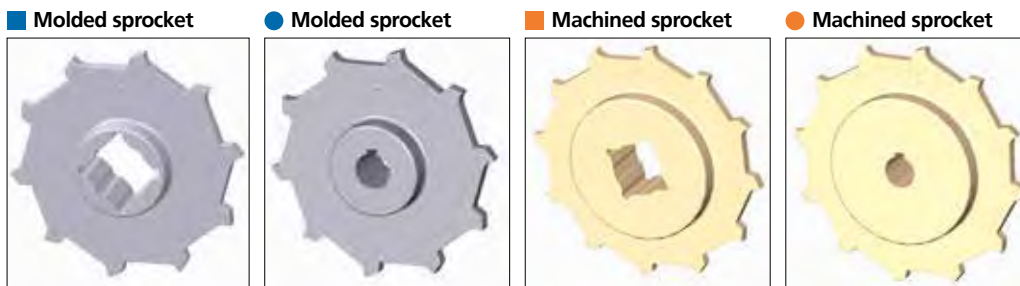


↑ = Placing of sprockets

Ensure sprockets cannot contact the Pop-up flight activation cams. These cams hinge below the belt surface when unsupported by wear-strips. If needed use extra retaining rings each side of floating sprockets to ensure they cannot contact the activation cams but can still float sideways.

Sprocket

No of teeth	Bore size													Overall diameter		Pitch-diameter		Hub-diameter		A-dimension		B-dimension		Single row/One way	Molded PA6 LG	Machined PA6 N
	Pilot bore	in	0.75	0.79	0.98	1.00	1.18	1.25	1.50	1.57	2.36	2.50														
	mm	19.1	20.0	25.0	25.4	30.0	31.8	38.1	40.0	60.0	63.5	mm	in	mm	in	mm	in	mm	in							
Z08	x				●	●	●	■	■			132.9	5.23	132.8	5.23	65.0	2.56	53.3	2.10	74.9	2.95	x	x			
Z10	x					●	●	■	■			166.3	6.55	164.4	6.47	65.0	2.56	70.2	2.76	90.7	3.57	x	x			
Z10									■	■		166.3	6.55	164.4	6.47	120.0	4.72	70.2	2.76	90.7	3.57	x	x			
Z12	x					●	●	■	■	■	■	198.6	7.82	196.3	7.73	120.0	4.72	86.8	3.42	106.6	4.20	x	x			
Z16	x					●	●	■	■	■	■	263.8	10.39	260.4	10.25	150.0	5.91	119.7	4.71	138.7	5.46	x		x		



uni MPB Single row – one way sprockets as shown above are recommended for use with Pop-up flight system.
 uni MPB Two row – two way sprockets are available and can be used for conveyors which needed to reverse travel direction.
 Other sprocket sizes are available upon request.
 Two-part sprocket are available upon request.
 Round bores are always delivered with keyway.
 Other bore sizes are available upon request.
 uni Retainer Rings: See uni Retainer Ring data sheet
 Width of sprocket = Single row: 42.3 mm (1.67 in)
 Width of tooth = Single row: 9.5 mm (0.37 in)

Max load per sprocket shown does not take bore size into account.
 Please also ensure that sufficient size shaft is chosen for corresponding load.

For more detailed sprocket information, contact Customer Service.

Non standard material and color: See uni Material and Color Overview.

uni MPB Pop-up flight C/150120



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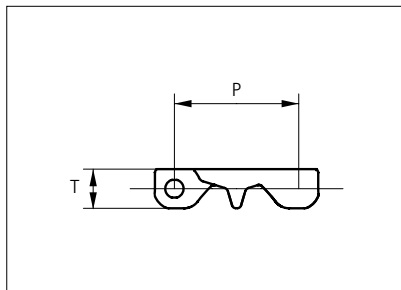
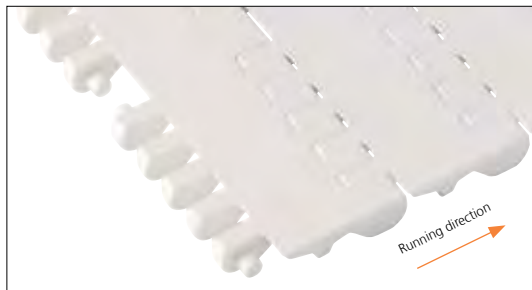
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Plastic Modular Belt

Series **uni ECB** Type **C**



Straight running belt
 Nominal pitch: 50.8 mm (2.00 in)
 Surface type: Closed
 Surface opening: 0%
 Front- and backflex radius:
 65 mm (2.60 in)
 uni Snap link (pinless)

Belt material & color	POM SI W	mm	in		mm	in
		P (Nominal)	50.8	2.00	T	16.0

Non standard material and color: See uni Material and Color Overview.
 POM-SI **B** is available as MTO and can be used as marker in belt.
 Please note that uni ECB in POM-SI blue is not according to the standard color quality for blue. Small variations may occur.

Belt width			Permissible tensile force (Belt material)		Weight (Belt material)		Min No drive sprocket per shaft	Number of wear strips (min no)	
			POM-SI		POM-SI			**Carry (pcs)	**Return (pcs)
	mm	in	N	lb	kg/m	lb/ft			
K1600	402	15.8	4400	899	5.0	3.36	3	3	2
K1800	452	17.8	5500	1236	6.2	4.44	4	4	2
K2000	501	19.8	5500	1236	6.6	4.17	4	4	2
K2400	603	23.7	6600	1484	7.5	5.04	5	5	3
K3000	754	29.7	7700	1731	9.3	6.25	6	6	3
K3200	806	31.7	8800	1978	10.0	6.72	6	6	3

General belt tolerance is +0/-0.4% at 23°C/73°F.
 *Max. Load per Drive Sprocket. Belt material: 1500 N (337 lbf).
 **Max. Spacing between wear strips, Carry: 152 mm (6 in); Return: 304 mm (12 in).
 All materials are FDA approved for use with food contact. uni ECB complies to the following standards; EC 1935/2004, EU 10/2011, NSF/ANSI/3-A STANDARD 14159-1.
 Material temperature range: -40 to +90°C (-40 to +194°F).
 Non standard belt widths: K1600/K2400/K3200 can be bricklaid to make higher belt widths.
 Non standard belt widths is not recommended by uni-chains because of cleanability.

= Single Link



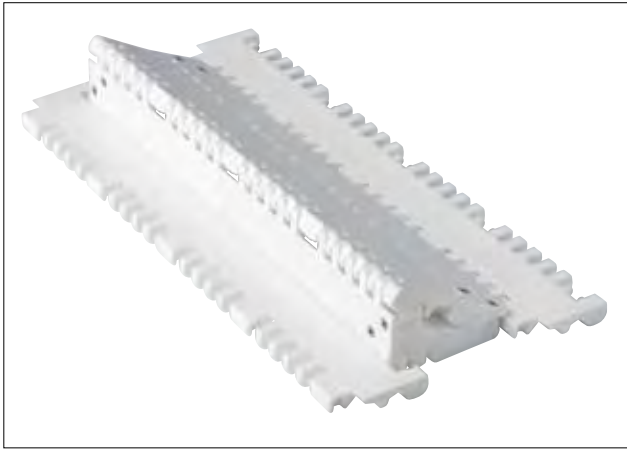
STANDARD

STRAIGHT RUNNING

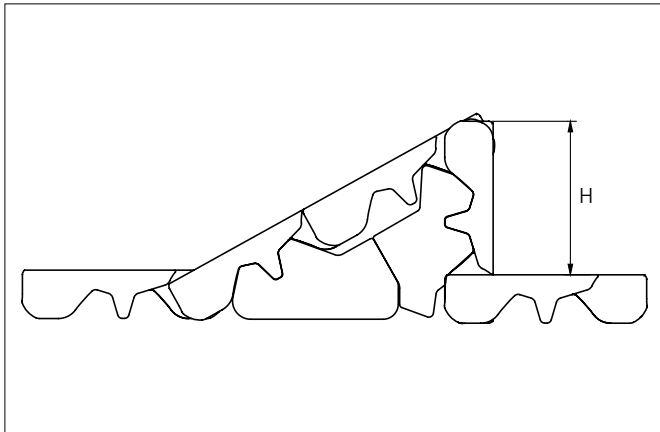
PITCH 50.8 MM/2.00 IN

Accessories

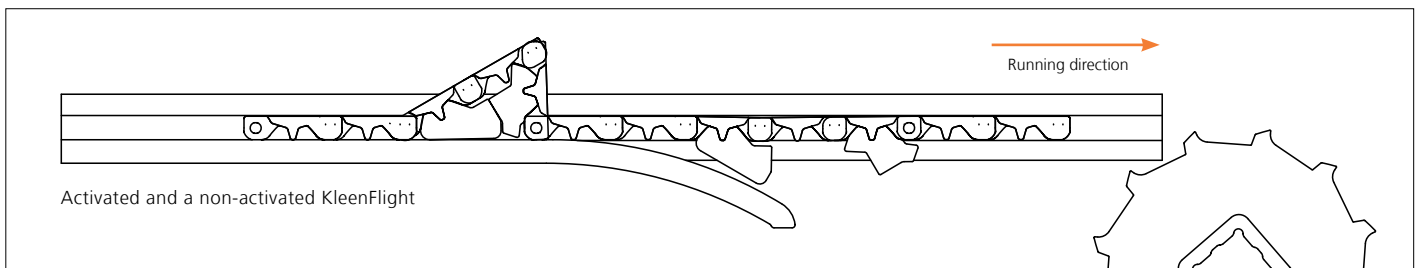
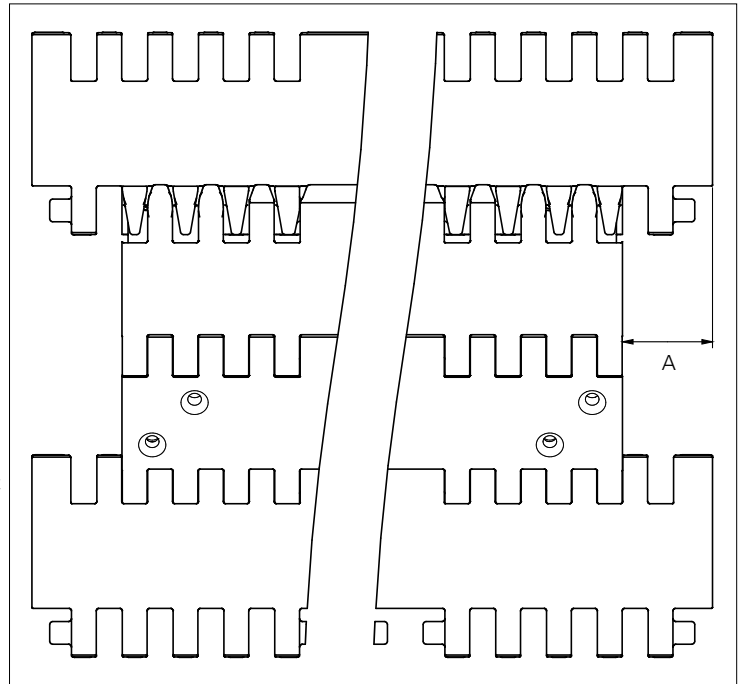
KleenFlight



Type	Material & color	Link combination	A		H	
			mm	in	mm	in
Flat	POM-SI W	K1600/K1800	25.4	1.00	53.0	2.08
		K1800/K2000	25.4	1.00	53.0	2.08
		K2000/K2400	50.8	2.00	53.0	2.08
		K3000/K3200	25.4	1.00	53.0	2.08



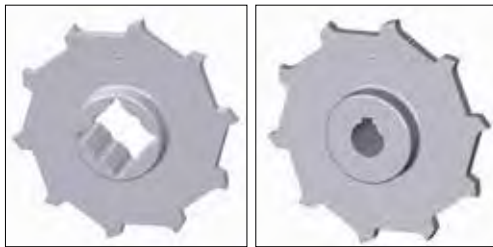
More information about KleenFlight: See the KleenFlight Engineering Guidelines
When ordering, please state the required distance between the activated KleenFlight



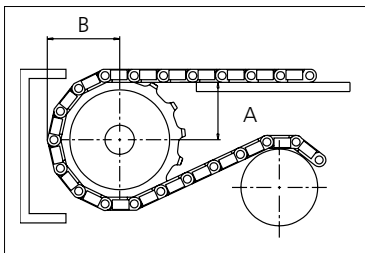
Sprocket

No of teeth	Bore size												Overall diameter		Pitch diameter		Hub diameter		* A-dimension		B-dimension		Single row/One way	Double row/Two way	Molded PA6 LG	Machined PA6 N		
	Pilot bore	mm	in	20.0	0.78	25.0	0.98	1.00	1.18	1.25	1.50	1.57															2.36	2.50
		mm	in	20.0	0.78	25.0	0.98	1.00	1.18	1.25	1.50	1.57	2.36	2.50	3.54	mm	in	mm	in	mm	in	mm	in					
Z08	x				●	●	●	■	■	■	■				132.9	5.23	132.8	5.23	65	2.56	53.3	2.10	74.9	2.95	x		x	
Z10	x					●	●	■	■	■	■				166.3	6.55	164.4	6.47	65	2.56	70.2	2.76	90.7	3.57	x		x	
Z10												■	■		166.3	6.55	164.4	6.47	120	4.72	70.2	2.76	90.7	3.57	x		x	
Z12	x					●	●	■	■	■	■				198.6	7.82	196.3	7.73	65	2.56	86.8	3.42	106.6	4.20	x		x	
Z12												■	■		198.6	7.82	196.3	7.73	120	4.72	86.8	3.42	106.6	4.20	x		x	
Z16	x					●	●	■	■	■	■	■	■		263.8	10.39	260.4	10.25	150	5.90	119.7	4.71	138.7	5.46	x		x	

■ Molded sprocket ● Molded sprocket



Round bores are always delivered with keyway



Non standard material and color: See uni Material and Color Overview.

Other sprocket sizes are available upon request.
 Two-part sprockets are available upon request.
 Round bores are always delivered with keyway.
 Other bore sizes are available upon request.
 uni Retainer Rings: See uni Retainer Ring data sheet.
 Width of tooth = 9.5 mm (0.37 in)
 Width of sprocket = 42.3 mm (1.67 in)

Max load per sprocket shown does not take bore size into account.
 Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni ECB.
 For more detailed sprocket information, contact Customer Service.



Conveyor Belt



Seamless Belt



Modular Belt



Timing Belt



Transmission Belt



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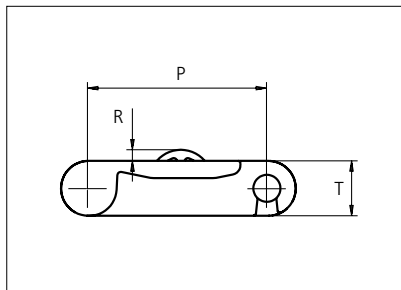
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Plastic Modular Belt

Series **uni RTB** Type **M1**

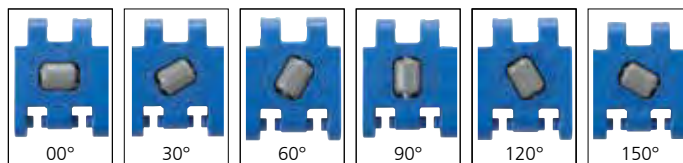


Straight running belt
 Nominal pitch: 50.8 mm (2.00 in)
 Surface type: Roller Top
 Surface opening: Closed
 Backflex radius: 65.0 mm (2.56 in)
 uni Snap link (pinless)

Belt material & color	POM-S B
Roller material & color	POM-NL G
Cover plate material & color	POM-NL B
Pin for roller material & color	SS304

	mm	in		mm	in
P (Nominal)	50.8	2.00	T	16.0	0.63
R	3.0	0.12	-	-	-

Roller Positions



Non standard material and color: See uni Material and Color Overview.

Belt width		Permissible tensile force (Belt/pin material)		Belt weight (Belt/pin material)		*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-S		POM-S			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	kg/m	lb/ft			
153	6.0	4208	946	2.2	1.49	2	2	2
204	8.0	5611	1261	3.0	1.99	2	2	2
255	10.0	7014	1577	3.7	2.49	2	2	2
306	12.1	8417	1892	4.4	2.98	3	3	2
357	14.1	9821	2208	5.2	3.48	3	3	2
408	16.1	11224	2523	5.9	3.98	3	3	2
459	18.1	12627	2839	6.7	4.47	4	4	2
510	20.1	14031	3154	7.4	4.97	4	4	2
561	22.1	15434	3470	8.1	5.47	4	4	2
612	24.1	16837	3785	8.9	5.97	5	5	3
663	26.1	18240	4100	9.6	6.46	5	5	3

Additional standard belt widths are available in steps of 51.0 mm (2.01 in).

1989	78.3	54698	12296	28.8	19.38	14	14	7
------	------	-------	-------	------	-------	----	----	---

Additional standard belt widths are available in steps of 51.0 mm (2.01 in).

2958	116.5	81345	18286	42.9	28.82	20	20	10
------	-------	-------	-------	------	-------	----	----	----

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.

*Max. Load per Drive Sprocket. Belt material: POM-S 2000 N (450 lbf).

**Max. Spacing between wear strips, Carry: 152 mm (6 in); Return: 304 mm (12 in).

= Single Link



STANDARD

STRAIGHT RUNNING

PITCH 50.8 MM/2.00 IN

Sprocket

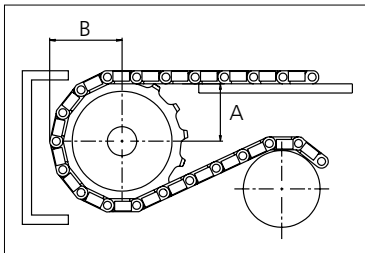
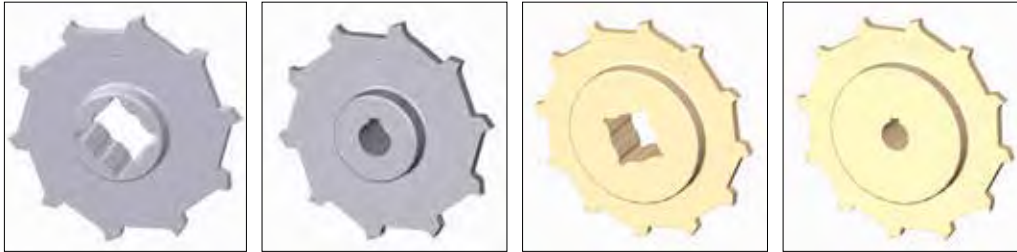
No. of teeth	Bore size													Overall diameter		Pitch-diameter		Hub-diameter		A-dimension		B-dimension		Single row/One way	Double row/Two way	Molded PA6 LG	Machined PA6 N
	Pilot bore		in	0.75	0.78	0.98	1.00	1.18	1.25	1.50	1.57	2.36	2.50														
	mm	19.1	20.0	25.0	25.4	30.0	31.8	38.1	40.0	60.0	63.5	90.0	mm	in	mm	in	mm	in	mm	in							
Z06	x				●	●	●	■	■			99.5	3.92	101.6	4.00	65	2.56	36	1.42	59.3	2.33	x		x			
Z08	x				●	●	●	■	■			132.9	5.23	132.8	5.23	65	2.56	53.3	2.10	74.9	2.95	x		x			
Z10	x					●	●	●	■	■		166.3	6.55	164.4	6.47	65	2.56	70.2	2.76	90.7	3.57	x		x			
Z10										■	■	166.3	6.55	164.4	6.47	120	4.72	70.2	2.76	90.7	3.57	x		x			
Z12	x					●	●	●	■	■		198.6	7.82	196.3	7.73	65	2.56	86.8	3.42	106.6	4.20	x		x			
Z12										■	■	198.6	7.82	196.3	7.73	120	4.72	86.8	3.42	106.6	4.20	x		x			
Z16	x					●	●	●	■	■	■	263.8	10.39	260.4	10.25	150	5.90	119.7	4.71	138.7	5.46	x			x		

■ Molded sprocket

● Molded sprocket

■ Machined sprocket

● Machined sprocket



Other sprocket sizes are available upon request.
 Two-part sprocket are available upon request.
 Round bores are always delivered with keyway.
 Other bore sizes are available upon request.
 uni Retainer Rings: See uni Retainer Ring data sheet.
 Width of tooth = 9.5 mm (0.37 in)
 Width of sprocket = 42.3 mm (1.67 in)

Max load per sprocket shown does not take bore size into account.
 Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni BLB.
 For more detailed sprocket information, contact Customer Service.

Non standard material and color: See uni Material and Color Overview.



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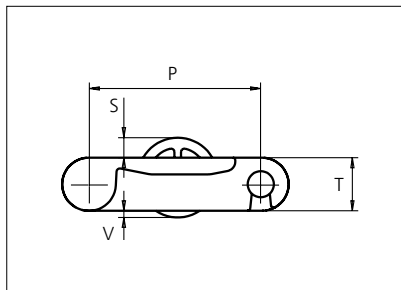
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Plastic Modular Belt

Series **uni RTB** Type **M2 Rubber Top**



Straight running belt
 Nominal pitch: 50.8 mm (2.00 in)
 Surface type: Roller Top
 Surface opening: Closed
 Backflex radius: 65.0 mm (2.56 in)
 uni Snap link (pinless)

Belt material & color	POM-S B	P	mm	in	T	mm	in
Roller and Rubber material & color	POM-NL O 01 K	P (Nominal)	50.8	2.00	T	16.0	0.63
Cover plate material & color	POM-NL O	S	6.0	0.24	V	2.0	0.08
Pin for roller material & color	SS304	Roller Positions					

Non standard material and color: See uni Material and Color Overview.

Belt width		Permissible tensile force (Belt/pin material)		Belt weight (Belt/pin material)		*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-S		POM-S			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	kg/m	lb/ft			
153	6.0	4208	946	2.2	1.49	2	2	2
204	8.0	5611	1261	3.0	1.99	2	2	2
255	10.0	7014	1577	3.7	2.49	2	2	2
306	12.1	8417	1892	4.4	2.98	3	3	2
357	14.1	9821	2208	5.2	3.48	3	3	2
408	16.1	11224	2523	5.9	3.98	3	3	2
459	18.1	12627	2839	6.7	4.47	4	4	2
510	20.1	14031	3154	7.4	4.97	4	4	2
561	22.1	15434	3470	8.1	5.47	4	4	2
612	24.1	16837	3785	8.9	5.97	5	5	3
663	26.1	18240	4100	9.6	6.46	5	5	3

Additional standard belt widths are available in steps of 51.0 mm (2.01 in).

1989	78.3	54698	12296	28.8	19.38	14	14	7
------	------	-------	-------	------	-------	----	----	---

Additional standard belt widths are available in steps of 51.0 mm (2.01 in).

2958	116.5	81345	18286	42.9	28.82	20	20	10
------	-------	-------	-------	------	-------	----	----	----

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.

*Max. Load per Drive Sprocket. Belt material: POM-S 2000 N (450 lbf).

**Max. Spacing between wear strips, Carry: 152 mm (6 in); Return: 304 mm (12 in).

= Single Link



STANDARD

STRAIGHT RUNNING

PITCH 50.8 MM/2.00 IN

Sprocket

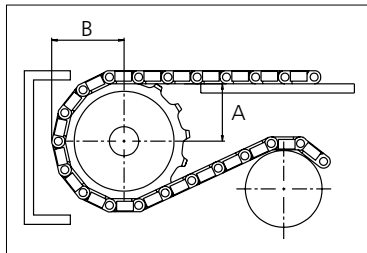
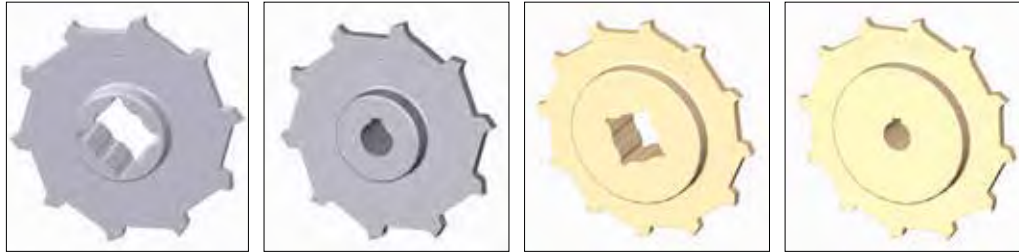
No. of teeth	Bore size													Overall diameter		Pitch-diameter		Hub-diameter		A-dimension		B-dimension		Single row/One way	Double row/Two way	Molded PA6 LG	Machined PA6 N
	Pilot bore	in	0.75	0.78	0.98	1.00	1.18	1.25	1.50	1.57	2.36	2.50	3.54														
	mm	19.1	20.0	25.0	25.4	30.0	31.8	38.1	40.0	60.0	63.5	90.0	mm	in	mm	in	mm	in	mm	in							
Z06	x				●	●	●	■	■				99.5	3.92	101.6	4.00	65	2.56	36	1.42	59.3	2.33	x		x		
Z08	x				●	●	●	■	■				132.9	5.23	132.8	5.23	65	2.56	53.3	2.10	74.9	2.95	x		x		
Z10	x				●	●	●	■	■				166.3	6.55	164.4	6.47	65	2.56	70.2	2.76	90.7	3.57	x		x		
Z10										■	■		166.3	6.55	164.4	6.47	120	4.72	70.2	2.76	90.7	3.57	x		x		
Z12	x				●	●	●	■	■				198.6	7.82	196.3	7.73	65	2.56	86.8	3.42	106.6	4.20	x		x		
Z12										■	■		198.6	7.82	196.3	7.73	120	4.72	86.8	3.42	106.6	4.20	x		x		
Z16	x				●	●	●	■	■	■	■		263.8	10.39	260.4	10.25	150	5.90	119.7	4.71	138.7	5.46	x			x	

■ Molded sprocket

● Molded sprocket

■ Machined sprocket

● Machined sprocket



Other sprocket sizes are available upon request.
 Two-wpart sprocket are available upon request.
 Round bores are always delivered with keyway.
 Other bore sizes are available upon request.
 uni Retainer Rings: See uni Retainer Ring data sheet.
 Width of tooth = 9.5 mm (0.37 in)
 Width of sprocket = 42.3 mm (1.67 in)

Max load per sprocket shown does not take bore size into account.
 Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni BLB.
 For more detailed sprocket information, contact Customer Service.

Non standard material and color: See uni Material and Color Overview.



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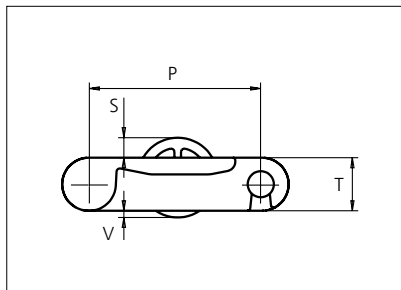
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Plastic Modular Belt

Series **uni RTB** Type **M2**

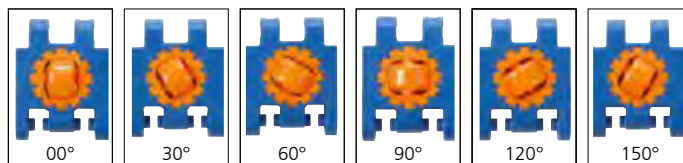


Straight running belt
 Nominal pitch: 50.8 mm (2.00 in)
 Surface type: Roller Top
 Surface opening: Closed
 Backflex radius: 65.0 mm (2.56 in)
 uni Snap link (pinless)

Belt material & color	POM-S B
Roller material & color	POM-NL O
Cover plate material & color	POM-NL O
Pin for roller material & color	SS304

	mm	in		mm	in
P (Nominal)	50.8	2.00	T	16.0	0.63
S	6.0	0.24	V	2.0	0.08

Roller Positions



Non standard material and color: See uni Material and Color Overview.

Belt width		Permissible tensile force (Belt/pin material)		Belt weight (Belt/pin material)		*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-S		POM-S			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	kg/m	lb/ft			
153	6.0	4208	946	2.2	1.49	2	2	2
204	8.0	5611	1261	3.0	1.99	2	2	2
255	10.0	7014	1577	3.7	2.49	2	2	2
306	12.1	8417	1892	4.4	2.98	3	3	2
357	14.1	9821	2208	5.2	3.48	3	3	2
408	16.1	11224	2523	5.9	3.98	3	3	2
459	18.1	12627	2839	6.7	4.47	4	4	2
510	20.1	14031	3154	7.4	4.97	4	4	2
561	22.1	15434	3470	8.1	5.47	4	4	2
612	24.1	16837	3785	8.9	5.97	5	5	3
663	26.1	18240	4100	9.6	6.46	5	5	3

Additional standard belt widths are available in steps of 51.0 mm (2.01 in).

1989	78.3	54698	12296	28.8	19.38	14	14	7
------	------	-------	-------	------	-------	----	----	---

Additional standard belt widths are available in steps of 51.0 mm (2.01 in).

2958	116.5	81345	18286	42.9	28.82	20	20	10
------	-------	-------	-------	------	-------	----	----	----

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.

*Max. Load per Drive Sprocket. Belt material: POM-S 2000 N (450 lbf).

**Max. Spacing between wear strips, Carry: 152 mm (6 in); Return: 304 mm (12 in).

= Single Link



STANDARD

STRAIGHT RUNNING

PITCH 50.8 MM/2.00 IN

Sprocket

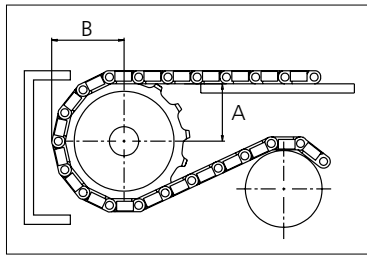
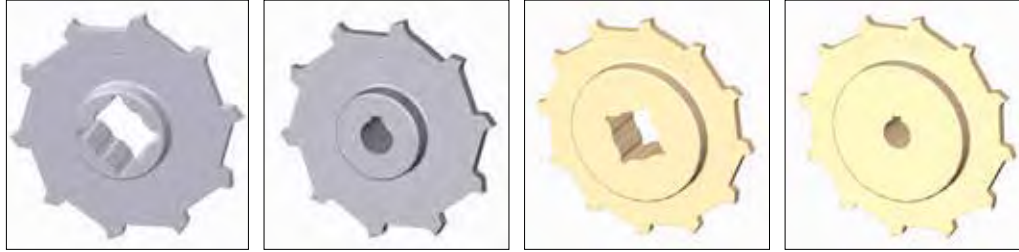
No. of teeth	Bore size													Overall diameter		Pitch-diameter		Hub-diameter		A-dimension		B-dimension		Single row/One way	Double row/Two way	Molded PA6 LG	Machined PA6 N
	Pilot bore		0.75	0.78	0.98	1.00	1.18	1.25	1.50	1.57	2.36	2.50	3.54														
	mm	in	19.1	20.0	25.0	25.4	30.0	31.8	38.1	40.0	60.0	63.5	90.0	mm	in	mm	in	mm	in	mm	in	x	x	x	x		
Z06	x				●	●	●	■	■				99.5	3.92	101.6	4.00	65	2.56	36	1.42	59.3	2.33	x		x		
Z08	x				●	●	●	■	■				132.9	5.23	132.8	5.23	65	2.56	53.3	2.10	74.9	2.95	x		x		
Z10	x					●	●	●	■	■			166.3	6.55	164.4	6.47	65	2.56	70.2	2.76	90.7	3.57	x		x		
Z10										■	■		166.3	6.55	164.4	6.47	120	4.72	70.2	2.76	90.7	3.57	x		x		
Z12	x					●	●	●	■	■			198.6	7.82	196.3	7.73	65	2.56	86.8	3.42	106.6	4.20	x		x		
Z12										■	■		198.6	7.82	196.3	7.73	120	4.72	86.8	3.42	106.6	4.20	x		x		
Z16	x					●	●	●	■	■	■	■	263.8	10.39	260.4	10.25	150	5.90	119.7	4.71	138.7	5.46	x			x	

■ Molded sprocket

● Molded sprocket

■ Machined sprocket

● Machined sprocket

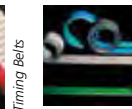
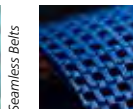


Other sprocket sizes are available upon request.
 Two-wpart sprocket are available upon request.
 Round bores are always delivered with keyway.
 Other bore sizes are available upon request.
 uni Retainer Rings: See uni Retainer Ring data sheet.
 Width of tooth = 9.5 mm (0.37 in)
 Width of sprocket = 42.3 mm (1.67 in)

Max load per sprocket shown does not take bore size into account.
 Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni BLB.
 For more detailed sprocket information, contact Customer Service.

Non standard material and color: See uni Material and Color Overview.



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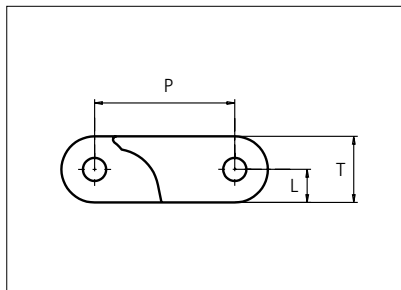
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Plastic Modular Belt

Series **uni XLB** Type **M2 C**



Straight running belt
 Nominal pitch: 63.5 mm (2.50 in)
 Surface type: Flat
 Surface opening: Closed
 Backflex radius: 100.0 mm (3.90 in)
 Pin diameter: \varnothing 10 mm (0.39 in)

Belt material & color	POM-NLAS K	POM-NL K	mm	in	mm	in		
			P (Nominal)	63.5	2.50	T	30.0	1.18
Pin and lock material & color	PA6.6 N PP D		L	15.0	0.59	-	-	-

Non standard material and color: See uni Material and Color Overview.

Alternative pin and lock materials: Pin: SS304

Belt width		Permissible tensile force (Belt/pin material)				Belt weight (Belt/pin material)				*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-NLAS/PA6.6 POM-NL/PA6.6		POM-NLAS/SS POM-NL/SS		POM-NLAS/PA6.6 POM-NL/PA6.6		POM-NLAS/SS POM-NL/SS			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft			
82***	3.2	7560	1699	8400	1888	2.6	1.75	3.4	2.30	2	2	2
101	4.0	9045	2033	10050	2259	3.1	2.09	4.1	2.76	2	2	2
201	7.9	18054	4059	20060	4510	6.2	4.18	8.2	5.50	2	2	2
301	11.8	27063	6084	30070	6760	9.3	6.26	12.3	8.25	3	3	2
401	15.8	36072	8109	40080	9010	12.4	8.35	16.4	10.99	3	3	2
501	19.7	45082	10134	50091	11260	15.5	10.44	20.4	13.73	4	4	2
601	23.7	54091	12160	60101	13511	18.6	12.52	24.5	16.48	5	5	3
701	27.6	63100	14185	70111	15761	21.7	14.61	28.6	19.22	5	5	3
801	31.5	72109	16210	80121	18011	24.8	16.69	32.7	21.97	6	6	3
901	35.5	81118	18235	90131	20261	27.9	18.78	36.8	24.71	7	7	4
1001	39.4	90127	20261	100141	22512	31.0	20.86	40.9	27.46	7	7	4
1102	43.4	99136	22286	110151	24762	34.1	22.95	44.9	30.20	8	8	4

Additional standard belt widths are available in steps of 100.1 mm (3.94 in.) Additional non-standard belt widths are available in steps of 33.4 mm (1.31 in.)

1902	74.9	171180	38481	190200	42757	59.0	39.63	77.6	52.15	13	13	7
------	------	--------	-------	--------	-------	------	-------	------	-------	----	----	---

Additional standard belt widths are available in steps of 100.1 mm (3.94 in.) Additional non-standard belt widths are available in steps of 33.4 mm (1.31 in.)

2903	114.3	261270	58733	290300	65259	90.0	60.48	118.4	79.60	20	20	10
------	-------	--------	-------	--------	-------	------	-------	-------	-------	----	----	----

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.

*Max. Load per Drive Sprocket. Belt material: POM-NLAS 12000 N (2698 lbf).

**Max. Spacing between wear strips, Carry: 152 mm (6 in); Return: 304 mm (12 in).

***Type: uni XLB M1 C.

= Single Link



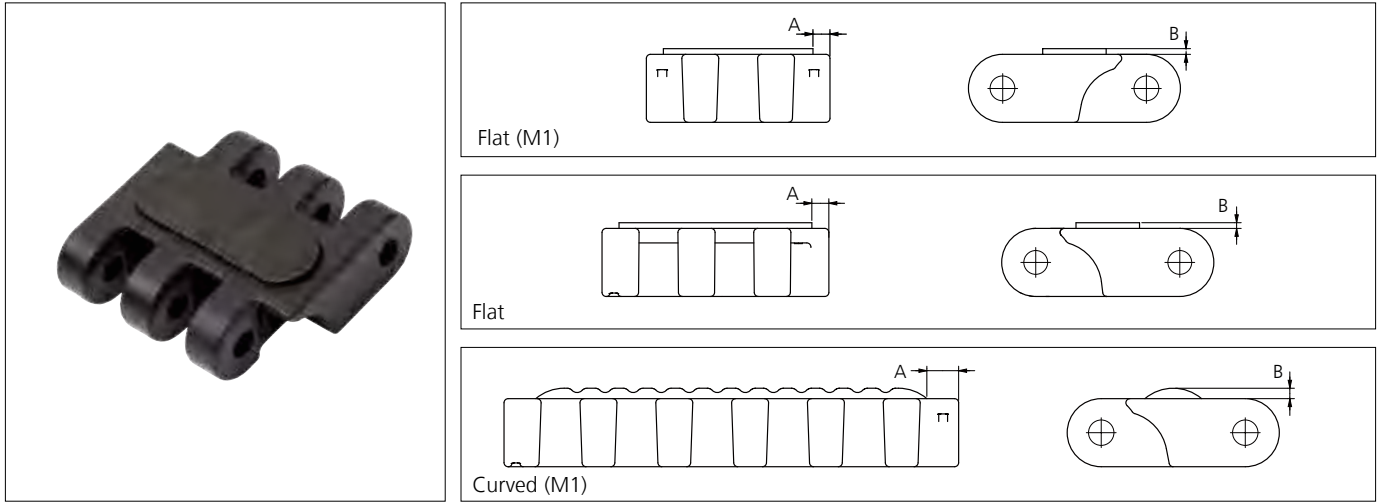
STANDARD

STRAIGHT RUNNING

PITCH 63.5 MM/2.50 IN

Accessories

Rubber Top / NON STANDARD

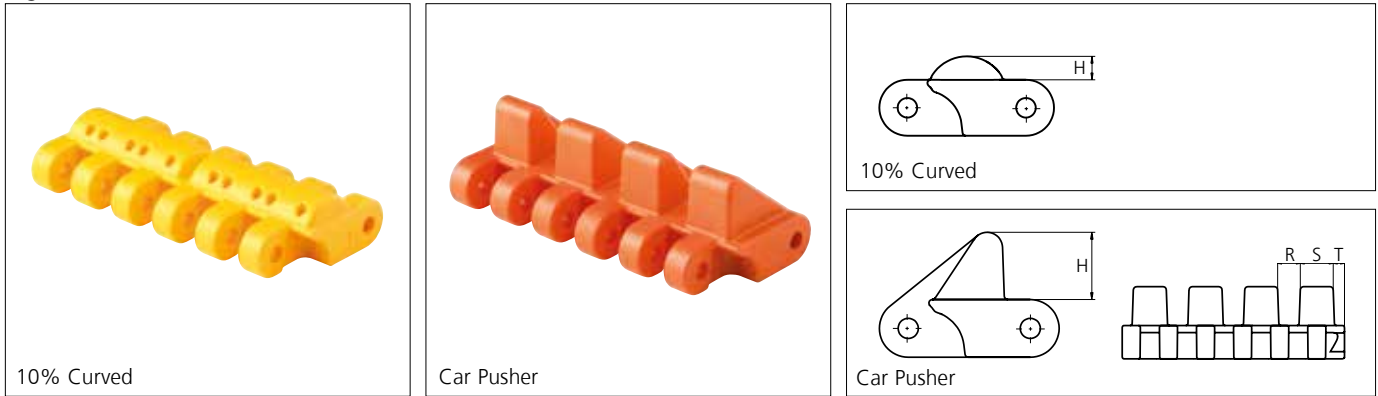


Type	Belt Material & color	Rubber Material & color	A		B		Link size	Width	
			mm	in	mm	in		mm	in
Flat	POM-NL K	05 K	7.5	0.3	2.5	0.10	K318	81.1	3.19
			7.5	0.3	2.5	0.10	K400	100.1	3.94
Curved			14.0	0.58	4.6	0.18	K800	200.2	7.88

Other Non Standard Rubber profiles: See uni Rubber Profile Overview.

Accessories

Flight



Type	Material & color	H		Link size	Width		R		S		T	
		mm	in		mm	in	mm	in	mm	in	mm	in
10% Curved	POM-D UV Y	12.5	0.49	K400	101.6	4.00	-	-	-	-	-	-
				K800	199.6	7.86	-	-	-	-	-	-
Car Pusher	POM-DK O	35.0	1.38	K800	199.6	7.86	18.1	0.71	32.0	1.26	9.0	0.35

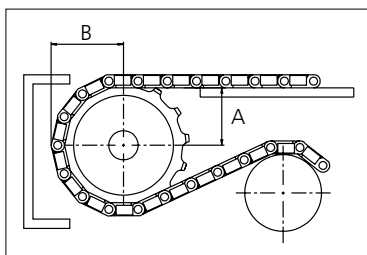
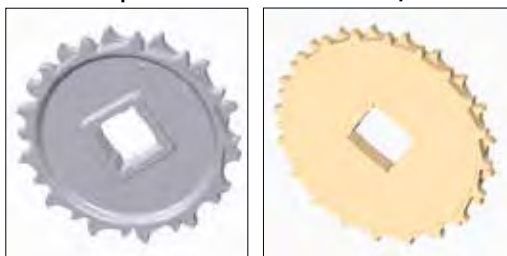
Non Standard material and color: See uni Material and Color Overview.

Sprocket

No of teeth	Bore size														Overall diameter		Pitch-diameter		Hub-diameter		A-dimension		B-dimension		Single row/Two way	Double row/Two way	Molded PA6 LG	Machined PA6 N
	Pilot Bore	mm	in	0.75	0.78	0.98	1.00	1.18	1.25	1.50	1.57	2.36	2.5	3.54														
															mm	in	mm	in	mm	in	mm	in						
Z10	x								■	■	■	■	■	204.3	8.04	205.5	8.09	100.0	3.94	82.7	3.26	117.8	4.64		x	x		
Z13	x								■	■	■	■	■	264.4	10.41	265.4	10.45	150.0	5.91	113.8	4.48	147.7	5.81		x	x		
Z15	x								■	■	■	■	■	306.0	12.05	305.4	12.02	150.0	5.91	134.4	5.29	167.7	6.60		x	x		
Z20	x								■	■	■	■	■	408.0	16.06	406.0	15.98	360.0	14.07	185.5	7.30	218	8.58		x			x

■ Molded sprocket

■ Machined sprocket



Other sprocket sizes are available upon request.
 Two-part sprocket are available upon request.
 Round bores are always delivered with keyway.
 Other bore sizes are available upon request.
 uni Retainer Rings: See uni Retainer Ring data sheet
 Width of tooth = 16.0 mm (0.63 in)
 Width of sprocket = 33.0 mm (1.30 in)

Max load per sprocket shown does not take bore size into account.
 Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni XLB.
 For more detailed sprocket information, contact Customer Service.

Non standard material and color: See uni Material and Color Overview.



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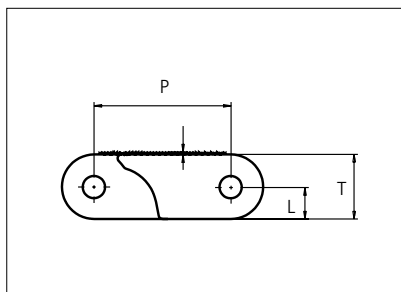
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Plastic Modular Belt

Series **uni XLB** Type **M2 Rough**



Straight running belt
 Nominal pitch: 63.5 mm (2.50 in)
 Surface type: Rough Top
 Surface opening: Closed
 Backflex radius: 100.0 mm (3.90 in)
 Pin diameter: \varnothing 10 mm (0.39 in)

Belt material & color	POM-NLAS K		mm	in		mm	in
Pin and lock material & color	PA6.6 N PP D		P (Nominal)	63.5	2.50	T	30.0 1.18
			L	15.0	0.59	-	- -

Non standard material and color: See uni Material and Color Overview.

Alternative pin and lock materials: Pin: SS304

Belt width		Permissible tensile force (Belt/pin material)				Belt weight (Belt/pin material)				*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-NLAS/PA6.6		POM-NLAS/SS		POM-NLAS/PA6.6		POM-NLAS/SS			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft			
101	4.0	9045	2033	10050	2259	3.1	2.09	4.1	2.76	2	2	2
201	7.9	18054	4059	20060	4510	6.2	4.18	8.2	5.50	2	2	2
301	11.8	27063	6084	30070	6760	9.3	6.26	12.3	8.25	3	3	2
401	15.8	36072	8109	40080	9010	12.4	8.35	16.4	10.99	3	3	2
501	19.7	45082	10134	50091	11260	15.5	10.44	20.4	13.73	4	4	2
601	23.7	54091	12160	60101	13511	18.6	12.52	24.5	16.48	5	5	3
701	27.6	63100	14185	70111	15761	21.7	14.61	28.6	19.22	5	5	3
801	31.5	72109	16210	80121	18011	24.8	16.69	32.7	21.97	6	6	3
901	35.5	81118	18235	90131	20261	27.9	18.78	36.8	24.71	7	7	4
1001	39.4	90127	20261	100141	22512	31.0	20.86	40.9	27.46	7	7	4
1102	43.4	99136	22286	110151	24762	34.1	22.95	44.9	30.20	8	8	4
1202	47.3	108145	24311	120162	27012	37.3	25.03	49.0	32.95	9	9	5
1302	51.2	117155	26336	130172	29263	40.4	27.12	53.1	35.69	9	9	5

Additional standard belt widths are available in steps of 100.1 mm (3.94 in.) Additional non-standard belt widths are available in steps of 33.4 mm (1.31 in.)

1902	74.9	171180	38481	190200	42757	59.0	39.63	77.6	52.15	13	13	7
------	------	--------	-------	--------	-------	------	-------	------	-------	----	----	---

Additional standard belt widths are available in steps of 100.1 mm (3.94 in.) Additional non-standard belt widths are available in steps of 33.4 mm (1.31 in.)

2903	114.3	261270	58733	290300	65259	90.0	60.48	118.4	79.60	20	20	10
------	-------	--------	-------	--------	-------	------	-------	-------	-------	----	----	----

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.

*Max. Load per Drive Sprocket. Belt material: POM-NLAS 12000 N (2698 lbf).

**Max. Spacing between wear strips, Carry: 152 mm (6 in); Return: 304 mm (12 in).

= Single Link



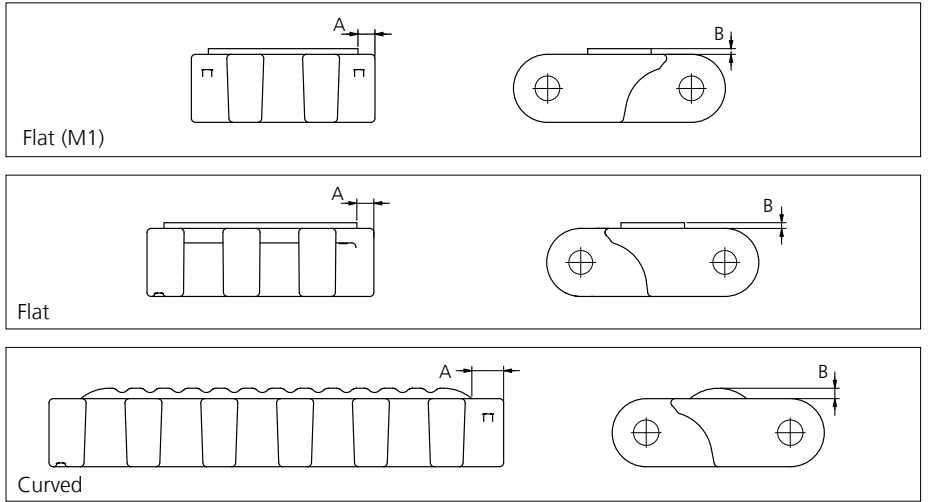
STANDARD

STRAIGHT RUNNING

PITCH 63.5 MM/2.50 IN

Accessories

Rubber Top

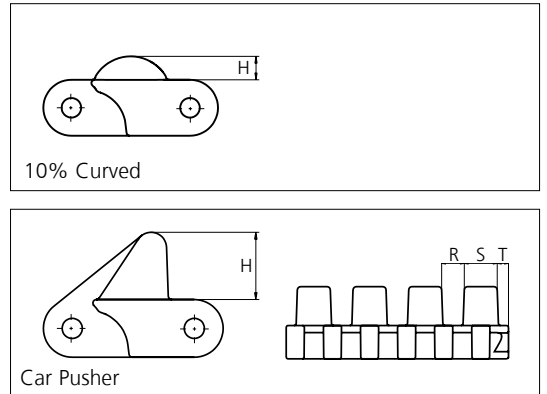


Type	Belt Material & color	Rubber Material & color	A		B		Link size	Width	
			mm	in	mm	in		mm	in
Flat	POM-NL K	05 K	7.5	0.3	2.5	0.10	K318	81.1	3.19
			7.5	0.3	2.5	0.10	K400	100.1	3.94
Curved			14.0	0.58	4.6	0.18	K800	200.2	7.88

Other Non Standard Rubber profiles: See uni Rubber Profile Overview.

Accessories

Flight



Type	Material & color	H		Link size	Width		R		S		T	
		mm	in		mm	in	mm	in	mm	in	mm	in
10% Curved	POM-D UV Y	12.5	0.49	K400	101.6	4.00	-	-	-	-	-	-
				K800	199.6	7.86	-	-	-	-	-	-
Car Pusher	POM-DK O	35.0	1.38	K800	199.6	7.86	18.1	0.71	32.0	1.26	9.0	0.35

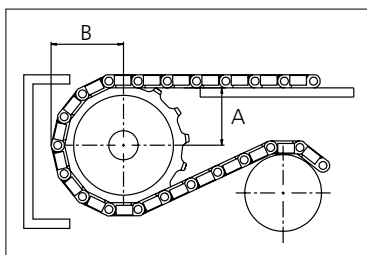
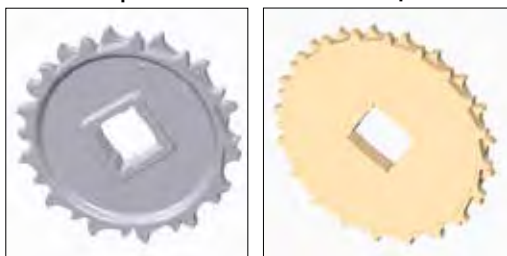
Non Standard material and color: See uni Material and Color Overview.

Sprocket

No of teeth	Pilot Bore	Bore size										Overall diameter		Pitch-diameter		Hub-diameter		A-dimension		B-dimension		Single row/Two way	Double row/Two way	Molded PA6 LG	Machined PA6 N	
		in	0.75	0.78	0.98	1.00	1.18	1.25	1.50	1.57	2.36															2.5
		mm	19.1	20.0	25.0	25.4	30.0	31.8	38.1	40.0	60.0	63.5	90.0	mm	in	mm	in	mm	in	mm	in					
Z10	x							■	■	■	■	■	204.3	8.04	205.5	8.09	100.0	3.94	82.7	3.26	117.8	4.64		x	x	
Z13	x							■	■	■	■	■	264.4	10.41	265.4	10.45	150.0	5.91	113.8	4.48	147.7	5.81		x	x	
Z15	x							■	■	■	■	■	306.0	12.05	305.4	12.02	150.0	5.91	134.4	5.29	167.7	6.60		x	x	
Z20	x							■	■	■	■	■	408.0	16.06	406.0	15.98	360.0	14.07	185.5	7.30	218	8.58		x		x

■ Molded sprocket

■ Machined sprocket



Other sprocket sizes are available upon request.
 Two-part sprocket are available upon request.
 Round bores are always delivered with keyway.
 Other bore sizes are available upon request.
 uni Retainer Rings: See uni Retainer Ring data sheet
 Width of tooth = 16.0 mm (0.63 in)
 Width of sprocket = 33.0 mm (1.30 in)

Max load per sprocket shown does not take bore size into account.
 Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni XLB.
 For more detailed sprocket information, contact Customer Service.

Non standard material and color: See uni Material and Color Overview.



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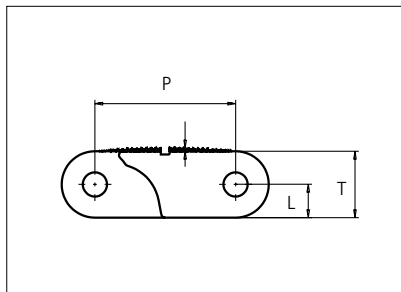
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Plastic Modular Belt

Series **uni XLB** Type **M2 15% Rough**



Straight running belt
 Nominal pitch: 63.5 mm (2.50 in)
 Surface type: Rough Top
 Surface opening: 15%
 Backflex radius: 100.0 mm (3.90 in)
 Pin diameter: \varnothing 10 mm (0.39 in)

Belt material & color	POM-NLAS K		mm	in		mm	in
Pin and lock material & color	PA6.6 N PP D		P (Nominal)	63.5	2.50	T	30.0 1.18
			L	15.0	0.59	-	- -

Non standard material and color: See uni Material and Color Overview.

Alternative pin and lock materials: Pin: SS304

Belt width		Permissible tensile force (Belt/pin material)				Belt weight (Belt/pin material)				*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-NLAS/PA6.6		POM-NLAS/SS		POM-NLAS/PA6.6		POM-NLAS/SS			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft			
101	4.0	9045	2033	10050	2259	3.1	2.09	4.1	2.76	2	2	2
201	7.9	18054	4059	20060	4510	6.2	4.18	8.2	5.50	2	2	2
301	11.8	27063	6084	30070	6760	9.3	6.26	12.3	8.25	3	3	2
401	15.8	36072	8109	40080	9010	12.4	8.35	16.4	10.99	3	3	2
501	19.7	45082	10134	50091	11260	15.5	10.44	20.4	13.73	4	4	2
601	23.7	54091	12160	60101	13511	18.6	12.52	24.5	16.48	5	5	3
701	27.6	63100	14185	70111	15761	21.7	14.61	28.6	19.22	5	5	3
801	31.5	72109	16210	80121	18011	24.8	16.69	32.7	21.97	6	6	3
901	35.5	81118	18235	90131	20261	27.9	18.78	36.8	24.71	7	7	4
1001	39.4	90127	20261	100141	22512	31.0	20.86	40.9	27.46	7	7	4
1102	43.4	99136	22286	110151	24762	34.1	22.95	44.9	30.20	8	8	4
1202	47.3	108145	24311	120162	27012	37.3	25.03	49.0	32.95	9	9	5
1302	51.2	117155	26336	130172	29263	40.4	27.12	53.1	35.69	9	9	5

Additional standard belt widths are available in steps of 100.1 mm (3.94 in.) Additional non-standard belt widths are available in steps of 33.4 mm (1.31 in.)

1902	74.9	171180	38481	190200	42757	59.0	39.63	77.6	52.15	13	13	7
------	------	--------	-------	--------	-------	------	-------	------	-------	----	----	---

Additional standard belt widths are available in steps of 100.1 mm (3.94 in.) Additional non-standard belt widths are available in steps of 33.4 mm (1.31 in.)

2903	114.3	261270	58733	290300	65259	90.0	60.48	118.4	79.60	20	20	10
------	-------	--------	-------	--------	-------	------	-------	-------	-------	----	----	----

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.

*Max. Load per Drive Sprocket. Belt material: POM-NLAS 12000 N (2698 lbf).

**Max. Spacing between wear strips, Carry: 152 mm (6 in); Return: 304 mm (12 in).

= Single Link



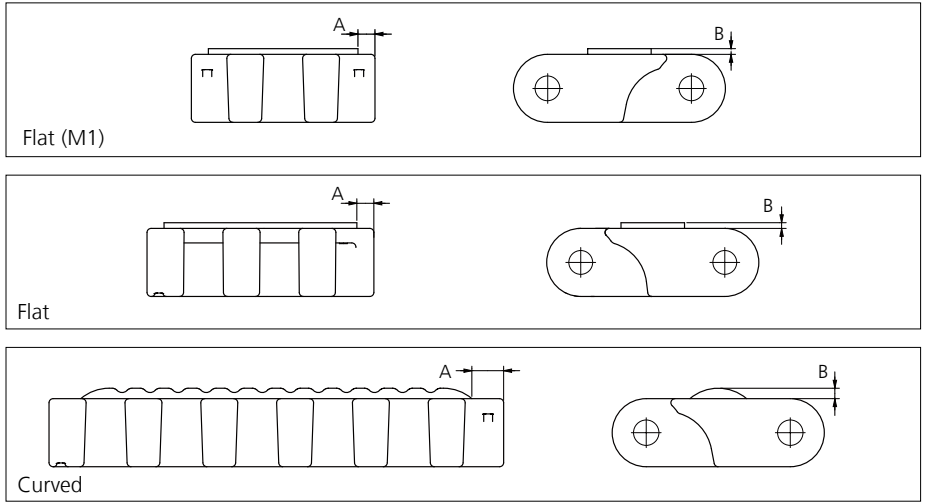
STANDARD

STRAIGHT RUNNING

PITCH 63.5 MM/2.50 IN

Accessories

Rubber Top

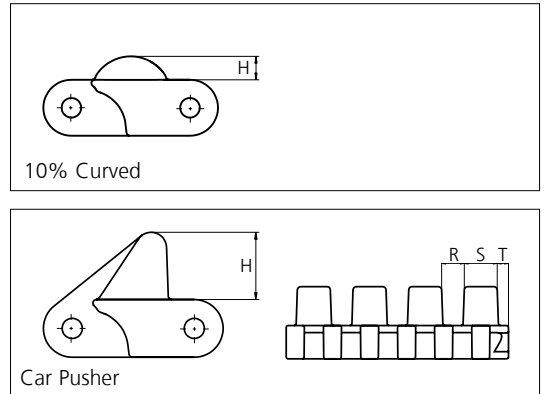


Type	Belt Material & color	Rubber Material & color	A		B		Link size	Width	
			mm	in	mm	in		mm	in
Flat	POM-NL K	05 K	7.5	0.3	2.5	0.10	K318	81.1	3.19
			7.5	0.3	2.5	0.10	K400	100.1	3.94
Curved			14.0	0.58	4.6	0.18	K800	200.2	7.88

Other Non Standard Rubber profiles: See uni Rubber Profile Overview.

Accessories

Flight



Type	Material & color	H		Link size	Width		R		S		T	
		mm	in		mm	in	mm	in	mm	in	mm	in
10% Curved	POM-D UV Y	12.5	0.49	K400	101.6	4.00	-	-	-	-	-	-
				K800	199.6	7.86	-	-	-	-	-	-
Car Pusher	POM-DK O	35.0	1.38	K800	199.6	7.86	18.1	0.71	32.0	1.26	9.0	0.35

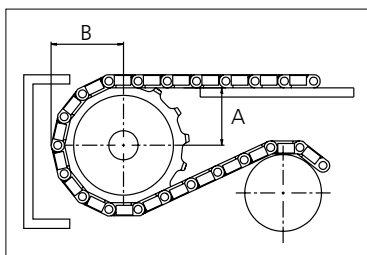
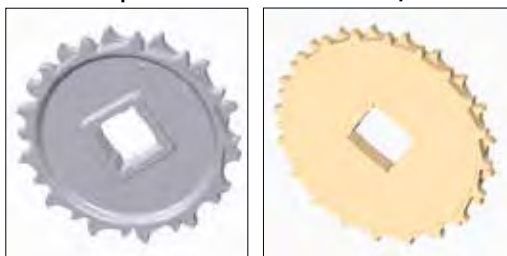
Non Standard material and color: See uni Material and Color Overview.

Sprocket

No of teeth	Pilot Bore	Bore size										Overall diameter		Pitch-diameter		Hub-diameter		A-dimension		B-dimension		Single row/Two way	Double row/Two way	Molded PA6 LG	Machined PA6 N	
		in	0.75	0.78	0.98	1.00	1.18	1.25	1.50	1.57	2.36															2.5
		mm	19.1	20.0	25.0	25.4	30.0	31.8	38.1	40.0	60.0	63.5	90.0	mm	in	mm	in	mm	in	mm	in					
Z10	x							■	■	■	■	■	204.3	8.04	205.5	8.09	100.0	3.94	82.7	3.26	117.8	4.64		x	x	
Z13	x							■	■	■	■	■	264.4	10.41	265.4	10.45	150.0	5.91	113.8	4.48	147.7	5.81		x	x	
Z15	x							■	■	■	■	■	306.0	12.05	305.4	12.02	150.0	5.91	134.4	5.29	167.7	6.60		x	x	
Z20	x							■	■	■	■	■	408.0	16.06	406.0	15.98	360.0	14.07	185.5	7.30	218	8.58		x		x

■ Molded sprocket

■ Machined sprocket



Other sprocket sizes are available upon request.
 Two-part sprocket are available upon request.
 Round bores are always delivered with keyway.
 Other bore sizes are available upon request.
 uni Retainer Rings: See uni Retainer Ring data sheet
 Width of tooth = 16.0 mm (0.63 in)
 Width of sprocket = 33.0 mm (1.30 in)

Max load per sprocket shown does not take bore size into account.
 Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni XLB.
 For more detailed sprocket information, contact Customer Service.

Non standard material and color: See uni Material and Color Overview.



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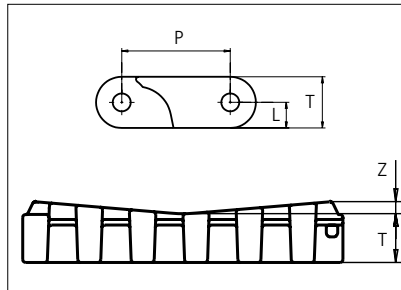
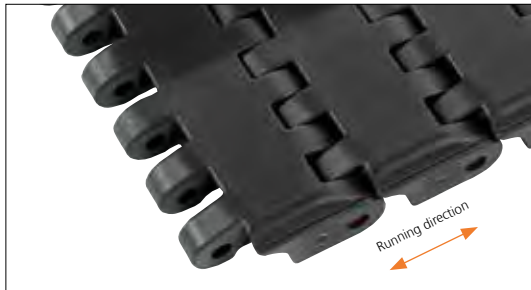
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Plastic Modular Belt

Series **uni XLB** Type **M2 V8**



Straight running belt
 Nominal pitch: 63.5 mm (2.50 in)
 Surface type: V8
 Surface opening: Closed
 Backflex radius: 120.0 mm (4.72 in)
 Pin diameter: \varnothing 10 mm (0.39 in)

Belt material & color	POM-D K		mm	in		mm	in
Pin and lock material & color	PA6.6 N PP D		P (Nominal)	63.5	2.50	T	30.0 1.18
			L	15.0	0.59	Z	8.0 0.31

Non standard material and color: See uni Material and Color Overview.

Alternative pin and lock materials: Pin: SS304

Belt width		Permissible tensile force (Belt/pin material)				Belt weight (Belt/pin material)				*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-D/PA6.6		POM-D/SS		POM-D/PA6.6		POM-D/SS			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft			
201	7.9	18090	4067	20100	4518	6.8	4.58	8.5	5.71	2	2	2
401	15.8	36104	8116	40115	9018	13.6	9.14	17.0	11.40	3	3	2
601	23.7	54117	12166	60130	13517	20.4	13.70	25.4	17.09	5	5	3
801	31.6	72131	16215	80146	18017	27.2	18.26	33.9	22.78	6	6	3

Additional standard belt widths are available in steps of 201 mm (7.91 in) Additional non-standard belt widths are available in steps of 33.4 mm (1.31 in).

General belt tolerance is +0/-0.4% at 23°C/73°F. For exact belt width contact Customer Service. Non standard belt width on request.

*Max. Load per Drive Sprocket. Belt material: POM-D 12000 N (2698 lbf).

**Max. Spacing between wear strips, Carry: 152 mm (6 in); Return: 304 mm (12 in).

= Single Link

STANDARD

STRAIGHT RUNNING

PITCH 63.5 MM/2.50 IN

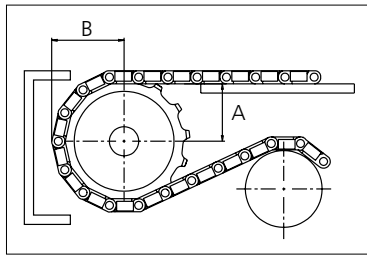
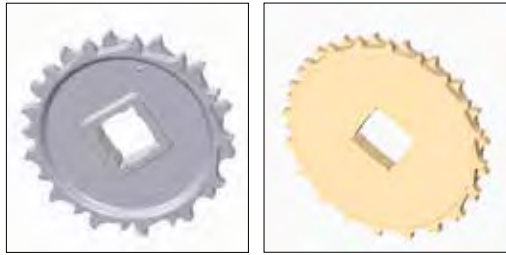


Sprocket

No of teeth	Bore size												Overall diameter		Pitch-diameter		Hub-diameter		A-dimension		B-dimension		Single row/Two way	Double row/Two way	Molded PA6 LG	Machined PA6 N
	Pilot Bore	in	0.75	0.78	0.98	1.00	1.18	1.25	1.50	1.57	2.36	2.5														
	mm	19.1	20.0	25.0	25.4	30.0	31.8	38.1	40.0	60.0	63.5	90.0	mm	in	mm	in	mm	in	mm	in						
Z10	x							■	■	■	■	■	204.3	8.04	205.5	8.09	100.0	3.94	82.7	3.26	117.8	4.64		x	x	
Z13	x							■	■	■	■	■	264.4	10.41	265.4	10.45	150.0	5.91	113.8	4.48	147.7	5.81		x	x	
Z15	x							■	■	■	■	■	306.0	12.05	305.4	12.02	150.0	5.91	134.4	5.29	167.7	6.60		x	x	
Z20	x							■	■	■	■	■	408.0	16.06	406.0	15.98	360.0	14.07	185.5	7.30	218	8.58		x		x

Molded sprocket

Machined sprocket



Other sprocket sizes are available upon request.
 Two-part sprocket are available upon request.
 Round bores are always delivered with keyway.
 Other bore sizes are available upon request.
 uni Retainer Rings: See uni Retainer Ring data sheet
 Width of tooth = 16.0 mm (0.63 in)
 Width of sprocket = 33.0 mm (1.30 in)

Max load per sprocket shown does not take bore size into account.
 Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni XLB.
 For more detailed sprocket information, contact Customer Service.

Non standard material and color: See uni Material and Color Overview.



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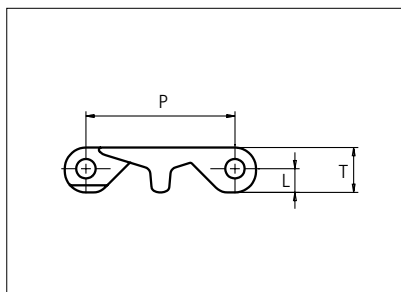
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Plastic Modular Belt

Series **uni X-MPB** Type **C**



Straight running belt
 Nominal pitch: 63.5 mm (2.50 in)
 Surface type: Flat
 Surface opening: Closed
 Backflex radius: 75 mm (2.95 in)
 Pin diameter: ø8 mm (0.31 in)

Belt material & color	POM-DI W	PE-I N	mm	in	mm	in		
Pin and lock material & color	PA6.6 N		P (Nominal)	63.5	2.50	T	19.1	0.75
			L	10.1	0.40	-	-	-

Non standard material and color: See uni Material and Color Overview.

Alternative pin and lock materials: Lockpin: PP **W** PBT **LG**

Belt width		Permissible tensile force (Belt/pin material)				Belt weight (Belt/pin material)				*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-DI/PA6.6		PE-I/PA6.6		POM-DI/PA6.6		PE-I/PA6.6			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft			
76	3.0	2280	513	760	171	1.1	0.75	0.8	0.51	2	2	2
151	6.0	4545	1022	1515	341	2.2	1.49	1.5	1.02	2	2	2
227	8.9	6809	1531	2270	510	3.3	2.23	2.3	1.53	2	2	2
302	11.9	9074	2040	3025	680	4.4	2.97	3.0	2.03	3	3	2
378	14.9	11339	2549	3780	850	5.5	3.71	3.8	2.54	3	3	2
453	17.9	13603	3058	4534	1019	6.6	4.45	4.5	3.05	4	4	2
529	20.8	15868	3567	5289	1189	7.7	5.19	5.3	3.55	4	4	2
604	23.8	18133	4076	6044	1359	8.8	5.93	6.0	4.06	5	5	3
680	26.8	20397	4585	6799	1528	9.9	6.67	6.8	4.57	5	5	3
755	29.7	22662	5094	7554	1698	11.0	7.41	7.6	5.08	6	6	3
831	32.7	24927	5604	8309	1868	12.1	8.15	8.3	5.58	6	6	3
906	35.7	27191	6113	9064	2038	13.2	8.89	9.1	6.09	7	7	4
982	38.7	29456	6622	9819	2207	14.3	9.63	9.8	6.60	7	7	4

Additional standard belt widths are available in steps of 75.5 mm (2.97 in.) Additional non-standard belt widths are available in steps of 25.2 mm (0.99 in.)

1963	77.3	58890	13238	19630	4413	28.7	19.26	19.6	13.19	14	14	7
------	------	-------	-------	-------	------	------	-------	------	-------	----	----	---

Additional standard belt widths are available in steps of 75.5 mm (2.97 in.) Additional non-standard belt widths are available in steps of 25.2 mm (0.99 in.)

2945	115.9	88350	19861	29450	6620	43.0	28.90	29.5	19.79	20	20	10
------	-------	-------	-------	-------	------	------	-------	------	-------	----	----	----

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.

*Max. Load per Drive Sprocket. Belt material: POM-DI 4000 N (899 lbf), PE-I 3000 N (674 lbf)

**Max. Spacing between wear strips, Carry: 152 mm (6 in.); Return: 304 mm (12 in.)

= Single Link



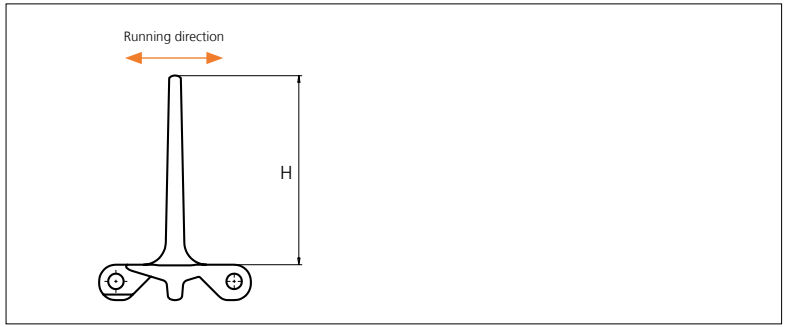
STANDARD

STRAIGHT RUNNING

PITCH 63.5 MM/2.50 IN

Accessories

Flight



Type	Material & color	H		Link size	Width		Indent	
		mm	in		mm	in	mm	in
Flat	POM-DI W	101.6	4.00	K600	151.0	5.94	0.0	0.00

Non Standard material and color: See uni Material and Color Overview.

Sprocket

No of teeth	Pilot Bore	Bore size												Overall diameter		Pitch-diameter		Hub-diameter		A-dimension		B-dimension		Single row/Two way	Double row/Two way	Molded PA6 LG	Machined PA6 N
		in	0.75	0.78	0.98	1.00	1.18	1.25	1.50	1.57	2.36	2.50	3.54														
		mm	19.1	20.0	25.0	25.4	30.0	31.8	38.1	40.0	60.0	63.5	90.0	mm	in	mm	in	mm	in	mm	in						
Z06	x					●	●	●	●				124.2	4.89	126.0	4.96	70.0	2.76	44.9	1.77	72.5	2.85		x	x		
Z08	x							●	●	●	●		165.6	6.52	164.6	6.48	70.0	2.76	66.6	2.62	92.0	3.62		x	x		
Z10	x							●	●	●	●		206.6	8.13	203.9	8.03	70.0	2.76	87.6	3.45	111.7	4.40		x	x		
Z13	x							●	●	●	●	■	267.8	10.54	265.3	10.44	150.0	5.91	118.7	4.67	141.7	5.58		x		x	

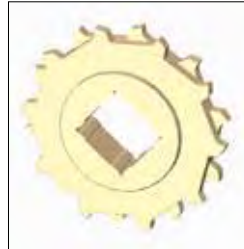
Molded sprocket



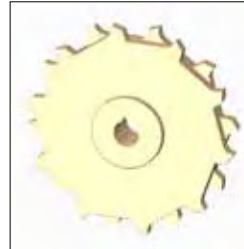
Machined sprocket



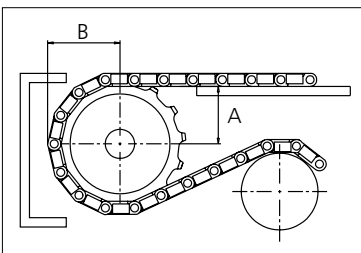
Molded sprocket



Machined sprocket



Non standard material and color: See uni Material and Color Overview.



Other sprocket sizes are available upon request.
 Two-part sprocket are available upon request.
 Round bores are always delivered with keyway.
 Other bore sizes are available upon request.
 uni Retainer Rings: See uni Retainer Ring data sheet.
 Width of tooth = 12.0 mm (0.47 in)
 Width of sprocket = 43.3 mm (1.67 in)

Max load per sprocket shown does not take bore size into account.
 Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni X-MPB.
 For more detailed sprocket information, contact Customer Service.



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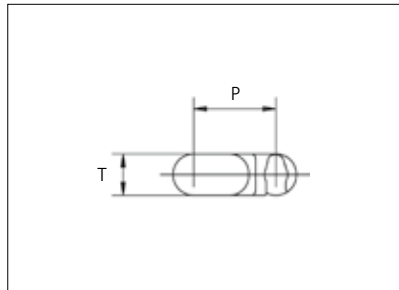
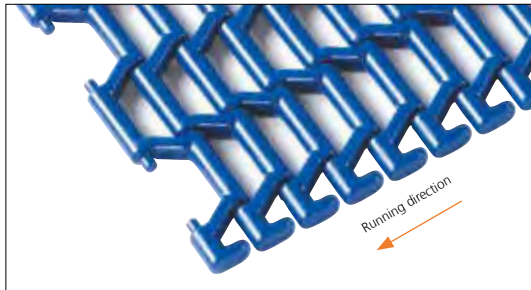
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Plastic Modular Belt

Series **uni M-PNB** Type **M1 40%**



Straight Running
 Nominal pitch: 12.7 mm (0.50 in)
 Surface type: Flat
 Surface opening: 40%
 Backflex radius: 12.5 mm (0.49 in)

Running in both directions is possible.
 uni-chains recommends this travel direction.

Belt material & color	POM-S B W	P	mm	in	T	mm	in
		(Nominal)	12.7	0.50	T	6.4	0.25

Non standard material and color: See uni Material and Color Overview.

Belt width		Permissible tensile force (Belt material)		Belt weight (Belt material)		*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-S		POM-S			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	kg/m	lb/ft			
51	2.0	102	23	0.2	0.15	2	2	2
102	4.0	203	46	0.5	0.31	2	2	2
152	6.0	305	69	0.7	0.46	3	2	2
203	8.0	406	91	0.9	0.61	4	2	2
254	10.0	508	114	1.1	0.77	5	2	2
305	12.0	610	137	1.4	0.92	6	3	2
356	14.0	711	160	1.6	1.08	7	3	2
406	16.0	813	183	1.8	1.23	8	3	2
457	18.0	914	206	2.1	1.38	9	4	2
508	20.0	1016	228	2.3	1.54	10	4	2
559	22.0	1118	251	2.5	1.69	11	4	2
610	24.0	1219	274	2.7	1.84	12	5	3
660	26.0	1321	297	3.0	2.00	13	5	3
711	28.0	1422	320	3.2	2.15	14	5	3
762	30.0	1524	343	3.4	2.30	15	6	3

Additional standard belt widths are available in steps of 50.7 mm (2.00 in.)

1979	77.9	3958	890	8.9	5.98	39	14	7
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Additional standard belt widths are available in steps of 50.7 mm (2.00 in.)

2994	117.9	5988	1346	13.5	9.05	59	20	10
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General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service.

*Max. Load per Drive Sprocket. Belt material: POM-S with snub roller 2000 N (450 lbf) without snub roller 1250 N (281 lbf)

**Max. Spacing between wear strips. Carry: 152 mm (6 in.) ; Return: 304 mm (12 in.)

= Single Link



STANDARD

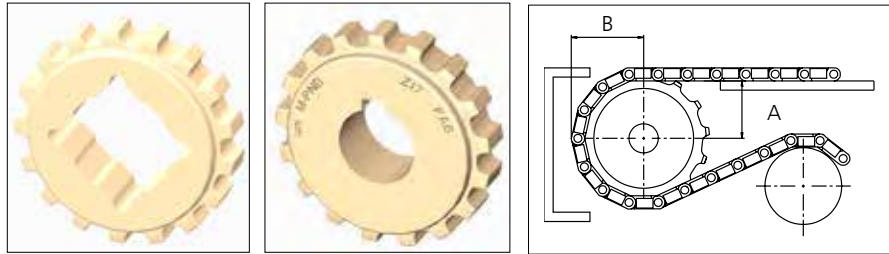
STRAIGHT RUNNING

PITCH 12.7 MM/0.50 IN

Sprocket

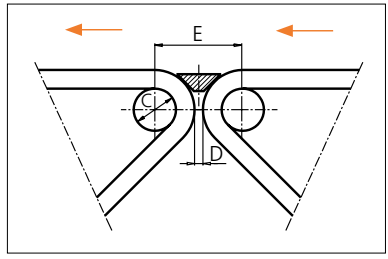
No of teeth	Bore size														Overall diameter		Pitch-diameter		Hub-diameter		A-dimension		B-dimension		Single row/Two way	Double row/Two way	Molded PA6 LG	Machined PA6 N
	Pilot bore																											
		in	0.75	0.78	0.98	1.00	1.18	1.25	1.50	1.57	2.36	2.50	3.54	mm	in	mm	in	mm	in	mm	in	mm	in					
Z08	x			15 mm									34.0	1.34	34.3	1.35	25.0	0.98	12.2	0.48	20.2	0.80	x			x		
Z10	x	●	●										42.4	1.67	42.1	1.66	32.0	1.26	16.4	0.65	24.0	0.94	x			x		
Z14	x	●	●	■	■								59.0	2.32	57.9	2.28	50.0	1.97	24.6	0.97	31.9	1.26	x			x		
Z17	x			●	●	●	●						71.3	2.81	69.8	2.75	60.0	2.36	30.8	1.21	37.9	1.49	x			x		
Z19	x				●	●	●	■	●				79.5	3.13	77.9	3.07	70.0	2.76	34.9	1.37	41.9	1.65	x			x		
Z24	x				●	●	●	■	●	●			91.0	3.58	97.9	3.85	90.0	3.54	45.1	1.78	52.0	2.05	x			x		
Z28	x				●	●	●	■	●	●			107.1	4.22	114	4.49	105.0	4.13	53.2	2.09	60.0	2.36	x			x		
Z36	x					●	●	●	●	●			148.5	5.85	146.2	5.76	130.0	5.12	69.4	2.73	76.1	3.00	x			x		

■ Machined sprocket ● Machined sprocket



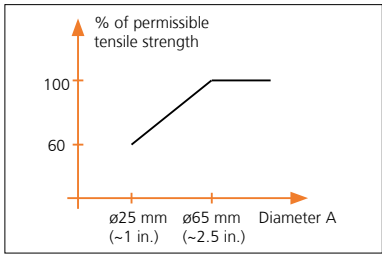
Non standard material and color: See uni Material and Color Overview.

Nosebars Min. Dimensions



	mm	in
C	25.0	0.98
D	5.0	0.20
E	46.0	1.81

Reduction of Strength



Other sprocket sizes are available upon request.
 Two-part sprocket are available upon request.
 Round bores are always delivered with keyway.
 Other bore sizes are available upon request.
 uni Retainer Rings: See uni Retainer Ring data sheet.
 Width of tooth = 12.0 mm (0.47 in)
 Width of sprocket = 20.0 mm (0.79 in)

Max load per sprocket shown does not take bore size into account.
 Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni M-PNB.
 For more detailed sprocket information. contact Customer Service.

uni M-PNB M1 40%/1309



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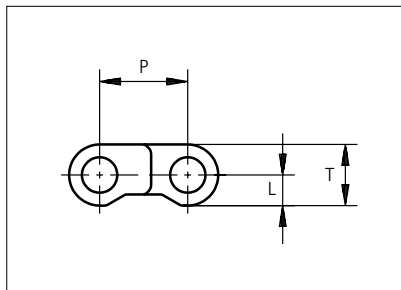
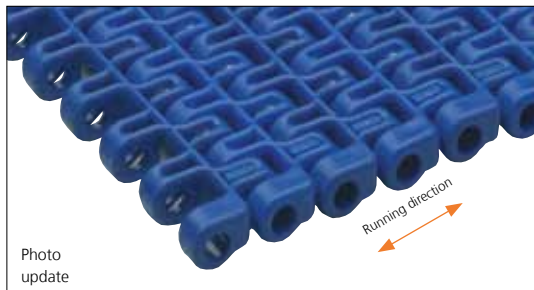
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Plastic Modular Belt

Series **uni M-SNB** Type **M2 14%**



Straight running belt
 Nominal pitch: 12.7 mm (0.50 in)
 Surface type: Flat
 Surface opening: 14%
 Backflex radius: 20.0 mm (0.80 in)
 Pin diameter: 5 mm (0.20 in)

Belt material & color	POM-D B	mm	in		mm	in
		P (Nominal)	12.7	0.50	T	8.8
Pin material & color	PP B	L	4.4	0.17	-	-

Non standard material and color: See uni Material and Color Overview.

Alternative pin and lock materials: G-lock: PA6.6 **N** Pin: PA6.6 **B** PE **W** PBT **LG** SS304 Endlock: PP **B** **W**
 Lockpin: PBT **LG** PA6.6 **D** PP **W** PE **N**

Belt width		Permissible tensile force (Belt/pin material)		Belt weight (Belt/pin material)		*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-D/PP		POM-D/PP			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	kg/m	lb/ft			
77	3.0	1155	260	0.5	0.33	2	2	2
153	6.0	2295	516	1.0	0.65	2	2	2
229	9.0	3435	772	1.4	0.97	2	2	2
305	12.0	4575	1028	1.9	1.29	3	3	2
381	15.0	5715	1285	2.4	1.61	3	3	2
458	18.0	6870	1544	2.9	1.94	4	4	2
534	21.0	8010	1801	3.4	2.26	4	4	2
610	24.0	9150	2057	3.8	2.58	5	5	3
686	27.0	10290	2313	4.3	2.90	5	5	3
762	30.0	11430	2569	4.8	3.23	6	6	3
839	33.0	12585	2829	5.3	3.55	6	6	3
915	36.0	13725	3085	5.8	3.87	7	7	4

Additional standard belt widths are available in steps of 76.2 mm (3.00 in) Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in).

1982	78.0	29730	6683	12.5	8.39	14	14	7
------	------	-------	------	------	------	----	----	---

Additional standard belt widths are available in steps of 76.2 mm (3.00 in) Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in).

2972	117.0	44580	10022	18.7	12.58	20	20	10
------	-------	-------	-------	------	-------	----	----	----

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.

*Max. Load per Drive Sprocket. Belt material: POM-D 1000 N (225 lbf)

**Max. Spacing between wear strips. Carry: 152 mm (6 in); Return: 304 mm (12 in)

= Single Link



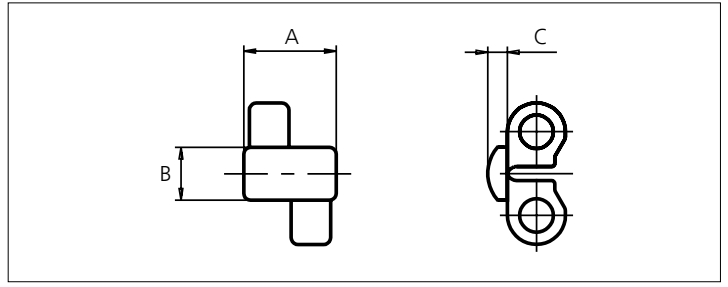
STANDARD

STRAIGHT RUNNING

PITCH 12.7 MM/0.50 IN

Accessories

Top/Bottom Insert



Type	Rubber material & color	A		B		C	
		mm	in	mm	in	mm	in
Rubber	01	14.0	0.55	8.0	0.31	3.0	0.12

Rubber inserts can be assembled in any belt surface upon customer request.
Non Standard material and color: See uni Material and Color Overview.

Sprocket

No. of teeth	Pilot bore	Bore size												Overall diameter	Pitch diameter	Hub diameter	A-dimension	B-dimension	Single row/Two way	Double row/Two way	Molded PAG LG	Machined PAG				
		in	0.75	0.78	0.98	1.00	1.18	1.25	1.50	1.57	2.36	2.5	3.54													
		mm	19.1	20.0	25.0	25.4	30.0	31.8	38.1	40.0	60.0	63.5	90.0													
Z10	x												41.5	1.63	41.6	1.64	28.0	1.10	16.1	0.63	25.0	0.98	x		x	
Z19	x			●	●	●	●	■					79.0	3.11	78.1	3.07	65.0	2.56	34.1	1.34	43.0	1.69	x		x	
Z28	x				●	●	●	■	●				116.2	4.57	115	4.53	65.0	2.56	52.2	2.06	61.1	2.41	x		x	
Z38	x					●	●	■	●	●	■		157.4	6.20	156	6.14	100.0	2.95	72.5	2.85	81.3	3.20	x		x	

Non standard material and color: See uni Material and Color Overview.

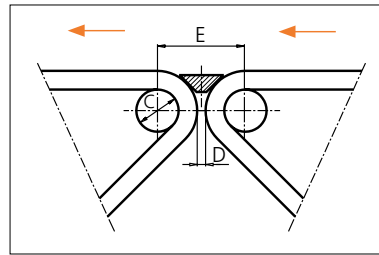
Molded sprocket



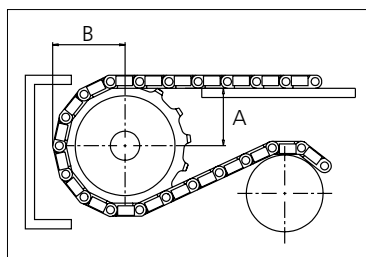
Molded sprocket



Nosebars Min. Dimensions



	mm	in
C	20.0	0.79
D	4.0	0.16
E	41.6	1.64



Other sprocket sizes are available upon request.
Two-part sprocket are available upon request.
Round bores are always delivered with keyway.
Other bore sizes are available upon request.
uni Retainer Rings: See uni Retainer Ring data sheet.
Width of tooth = 7.0 mm (0.28 in)
Width of sprocket = 20.0 mm (0.79 in)
Max load per sprocket shown does not take bore size into account.
Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni M-SNB.
For more detailed sprocket information. contact Customer Service.

uni M-SNB M2/1409



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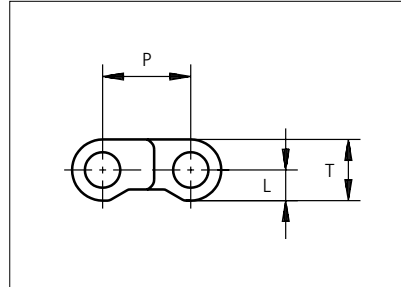
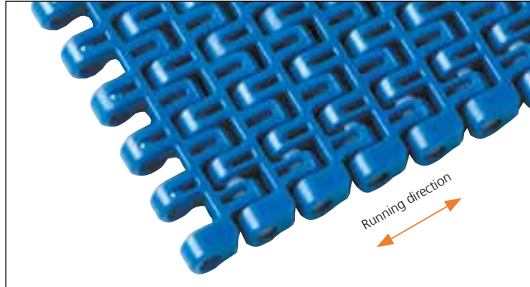
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Plastic Modular Belt

Series **uni M-SNB** Type **M3 14%**



Straight running belt
 Nominal pitch: 12.7 mm (0.50 in)
 Surface type: Flat
 Surface opening: 14%
 Backflex radius: 20.0 mm (0.80 in)
 Pin diameter: \varnothing 5 mm (0.20 in)

Belt material & color	POM-D B	POM-LF BR	PP W	PE N		mm	in		mm	in
	Pin material & color					P (Nominal)	12.7	0.50	T	8.8
					L	4.4	0.17	-	-	-

Non standard material and color: See uni Material and Color Overview.

Alternative pin and lock materials: G-lock: PA6.6 **N** Pin: PA6.6 **B** **W** **PE** **W** **PBT** **LG** **SS304** Endlock: **PP** **B** **W**
 Lockpin: **PBT** **LG** **PA6.6** **D** **PP** **B** **W** **PE** **N**

Belt width		Permissible tensile force (Belt/pin material)						Belt weight (Belt/pin material)						*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM/PP		PP/PP		PE/PE		POM/PP		PP/PP		PE/PE			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft	kg/m	lb/ft			
77	3.0	1155	260	578	130	347	78	0.5	0.33	0.3	0.21	0.3	0.23	2	2	2
153	6.0	2295	516	1148	258	689	155	1.0	0.65	0.6	0.42	0.7	0.45	2	2	2
229	9.0	3435	772	1718	386	1031	232	1.4	0.97	0.9	0.63	1.0	0.68	2	2	2
305	12.0	4575	1028	2288	514	1373	309	1.9	1.29	1.3	0.84	1.3	0.90	3	3	2
381	15.0	5715	1285	2858	642	1715	385	2.4	1.61	1.6	1.05	1.7	1.13	3	3	2
458	18.0	6870	1544	3435	772	2061	463	2.9	1.94	1.9	1.26	2.0	1.35	4	4	2
534	21.0	8010	1801	4005	900	2403	540	3.4	2.26	2.2	1.47	2.3	1.58	4	4	2
610	24.0	9150	2057	4575	1028	2745	617	3.8	2.58	2.5	1.68	2.7	1.80	5	5	3
686	27.0	10290	2313	5145	1157	3087	694	4.3	2.90	2.8	1.89	3.0	2.03	5	5	3
762	30.0	11430	2569	5715	1285	3429	771	4.8	3.23	3.1	2.10	3.4	2.25	6	6	3
839	33.0	12585	2829	6293	1415	3776	849	5.3	3.55	3.4	2.31	3.7	2.48	6	6	3
915	36.0	13725	3085	6863	1543	4118	926	5.8	3.87	3.8	2.52	4.0	2.71	7	7	4

Additional standard belt widths are available in steps of 76.2 mm (3.00 in.) Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in.)

1982	78.0	29730	6683	14865	3342	8919	2005	12.5	8.39	8.1	5.46	8.7	5.86	14	14	7
------	------	-------	------	-------	------	------	------	------	------	-----	------	-----	------	----	----	---

Additional standard belt widths are available in steps of 76.2 mm (3.00 in.) Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in.)

2972	117.0	44580	10022	22290	5011	13374	3006	18.7	12.58	12.2	8.19	13.1	8.79	20	20	10
------	-------	-------	-------	-------	------	-------	------	------	-------	------	------	------	------	----	----	----

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.

*Max. Load per Drive Sprocket. Belt material: POM-SLF 1000 N (225 lbf). PP 800 N (180 lbf). PE 800 N (180 lbf)

**Max. Spacing between wear strips. Carry: 152 mm (6 in.) ; Return: 304 mm (12 in.)

= Single Link



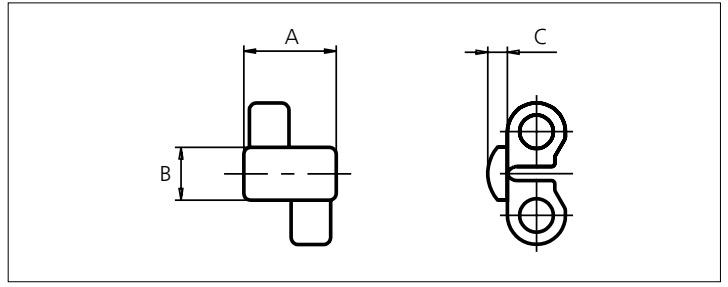
STANDARD

STRAIGHT RUNNING

PITCH 12.7 MM/0.50 IN

Accessories

Top/Bottom Insert



Type	Rubber material & color	A		B		C	
		mm	in	mm	in	mm	in
Rubber	01	14.0	0.55	8.0	0.31	3.0	0.12

Rubber inserts can be assembled in any belt surface upon customer request.
Non Standard material and color: See uni Material and Color Overview.

Sprocket

No of teeth	Pilot bore	Bore size											Overall diameter	Pitch-diameter	Hub-diameter	A-dimension	B-dimension	Single row/Two way	Double row/Two way	Molded PAG LG	Machined PAG					
		in	0.75	0.78	0.98	1.00	1.18	1.25	1.50	1.57	2.36	2.5										3.54				
		mm	19.1	20.0	25.0	25.4	30.0	31.8	38.1	40.0	60.0	63.5										90.0				
Z10	x												41.5	1.63	41.6	1.64	28.0	1.10	16.1	0.63	25.0	0.98	x		x	
Z19	x			●	●	●	●	■					79.0	3.11	78.1	3.07	65.0	2.56	34.1	1.34	43.0	1.69	x		x	
Z28	x			●	●	●	■	●					116.2	4.57	115	4.53	65.0	2.56	52.2	2.06	61.1	2.41	x		x	
Z38	x					●	●	■	●	■			157.4	6.20	156	6.14	100.0	2.95	72.5	2.85	81.3	3.20	x		x	

Non standard material and color: See uni Material and Color Overview.

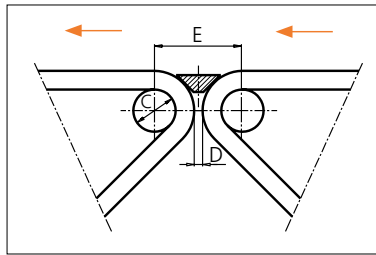
Molded sprocket



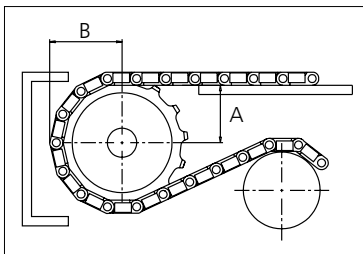
Molded sprocket



Nosebars Min. Dimensions



	mm	in
C	20.0	0.79
D	4.0	0.16
E	41.6	1.64



Other sprocket sizes are available upon request.
Two-part sprocket are available upon request.
Round bores are always delivered with keyway.
Other bore sizes are available upon request.
uni Retainer Rings: See uni Retainer Ring data sheet.
Width of tooth = 7.0 mm (0.28 in)
Width of sprocket = 20.0 mm (0.79 in)
Max load per sprocket shown does not take bore size into account.
Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni M-SNB.
For more detailed sprocket information, contact Customer Service.



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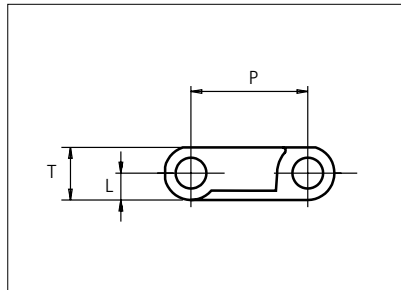
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Plastic Modular Belt

Series **uni Light** Type **C**



Straight running belt
 Nominal pitch: 19.1 mm (0.75 in)
 Surface type: Flat
 Surface opening: Closed
 Backflex radius: 25.0 mm (2.0 in)
 Pin diameter: \varnothing 5.0 mm (0.20 in)

Belt material & color	POM-LF BR	PP W G K	PP B	PA6 K													
Pin and lock material & color	PP W	PP W	PP B	PBT-GR N PP G													
					P (Nominal)	mm	in			T	mm	in					
					L	mm	in										

Non standard material and color: See uni Material and Color Overview.

Alternative pin and lock materials: Pin: PE **W** PP **W** PA6.6 **N** **B** PBT **LG** SS304 PP **W** Lockpin: PBT **LG** PA6.6 **D** **N** PP **W** **B**

Belt width		Permissible tensile force (Belt/pin material)						Belt weight (Belt/pin material)						*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-LF/PP		PP/PP		PA6/PBT-GR		POM-LF/PP		PP/PP		PA6/PBT-GR			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft	kg/m	lb/ft			
77	3.0	789	177	395	89	789	177	0.5	0.35	0.4	0.25	0.4	0.29	2	2	2
153	6.0	1572	353	786	177	1572	353	1.0	0.70	0.7	0.49	0.9	0.58	2	2	2
230	9.0	2355	529	1177	265	2355	529	1.6	1.05	1.1	0.74	1.3	0.86	2	2	2
306	12.1	3138	705	1569	353	3138	705	2.1	1.40	1.5	0.99	1.7	1.15	3	3	2
383	15.1	3921	881	1960	441	3921	881	2.6	1.75	1.8	1.23	2.1	1.44	3	3	2
459	18.1	4704	1057	2352	529	4704	1057	3.1	2.10	2.2	1.48	2.6	1.73	4	4	2
535	21.1	5486	1233	2743	617	5486	1233	3.6	2.45	2.6	1.73	3.0	2.01	4	4	2
612	24.1	6269	1409	3135	705	6269	1409	4.2	2.80	2.9	1.97	3.4	2.30	5	5	3
688	27.1	7052	1585	3526	793	7052	1585	4.7	3.14	3.3	2.22	3.9	2.59	5	5	3
764	30.1	7835	1761	3918	881	7835	1761	5.2	3.49	3.7	2.47	4.3	2.88	6	6	3
841	33.1	8618	1937	4309	969	8618	1937	5.7	3.84	4.0	2.71	4.7	3.16	6	6	3
917	36.1	9401	2113	4700	1057	9401	2113	6.2	4.19	4.4	2.96	5.1	3.45	7	7	4
994	39.1	10184	2289	5092	1145	10184	2289	6.8	4.54	4.8	3.20	5.6	3.74	7	7	4

Additional standard belt widths are available in steps of 76.4 mm (3.01 in.) Additional non-standard belt widths are available in steps of 19.1 mm (0.75 in.)

1910	75.2	19578	4401	9789	2201	19578	4401	13.0	8.73	9.2	6.16	10.7	7.19	13	13	7
------	------	-------	------	------	------	-------	------	------	------	-----	------	------	------	----	----	---

Additional standard belt widths are available in steps of 76.4 mm (3.01 in.) Additional non-standard belt widths are available in steps of 19.1 mm (0.75 in.)

2980	117.3	30545	6867	15273	3433	30545	6867	20.3	13.62	14.3	9.61	16.7	11.22	20	20	10
------	-------	-------	------	-------	------	-------	------	------	-------	------	------	------	-------	----	----	----

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.

The belt width in PA6 is 0.8 % wider than the belt width in the table

*Max. Load per Drive Sprocket. Belt material: POM-LF 1250 N (281 lbf), PP 700 N (157 lbf), PA6 1250 N (281 lbf)

**Max. Spacing between wear strips, Carry: 152 mm (6 in.) ; Return: 304 mm (12 in.)



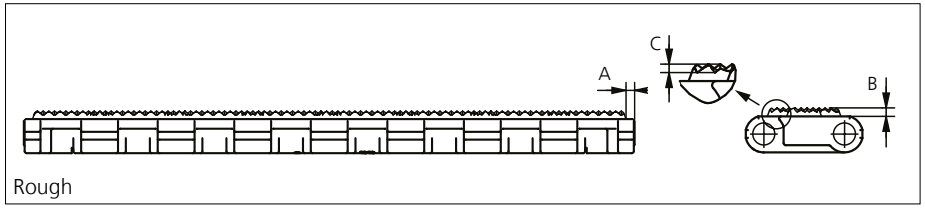
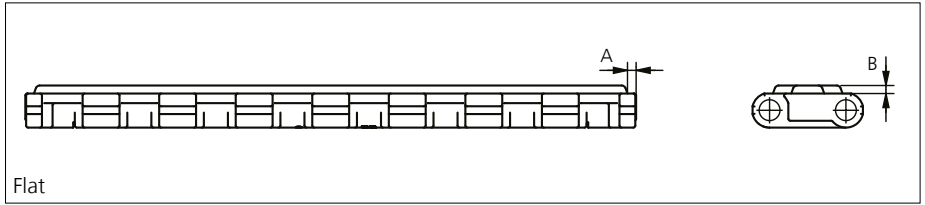
STANDARD

STRAIGHT RUNNING

PITCH 19.1 MM/0.75 IN

Accessories

Rubber Top

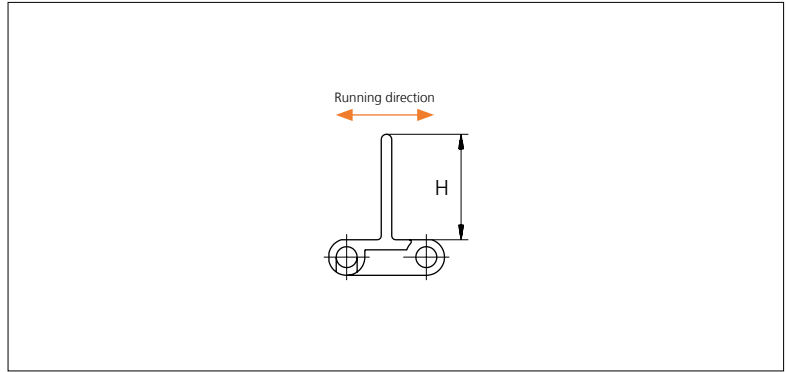
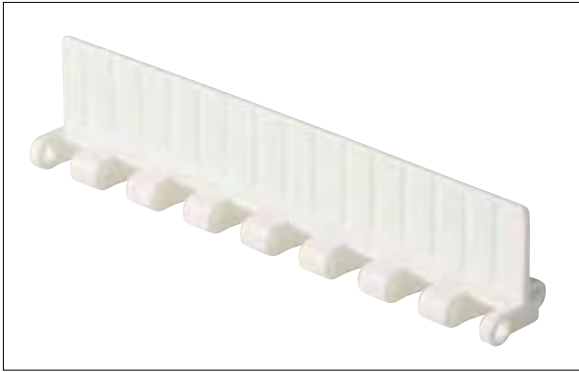


Type	Belt Material & color	Rubber Material & color	A		B		C		Link size	Width	
			mm	in	mm	in	mm	in		mm	in
Flat	PP K	03 K	2.0	0.08	2.0	0.08	1.0	0.04	K600	150.5	5.93
Rough											

Other Non Standard Rubber profiles: See uni Rubber Profile Overview.

Accessories

Flight

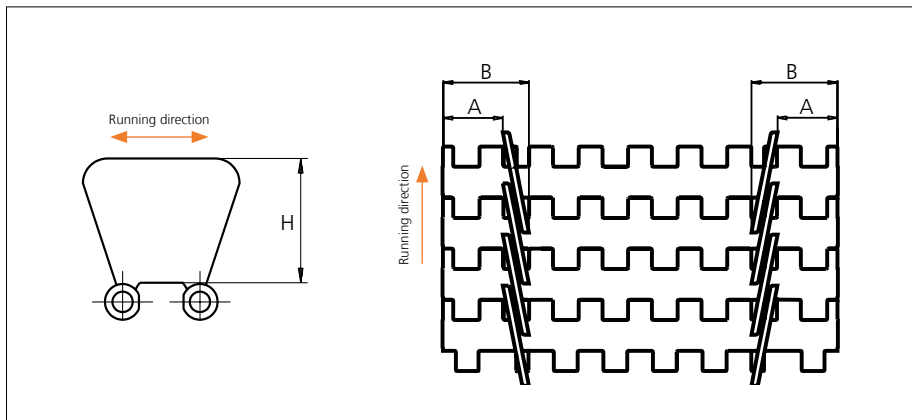


Type	Flight Material & color	H		Link size	Width		Indent	
		mm	in		mm	in	mm	in
Non Stick	PP-I W	25.4	1.00	K300	76.4	3.01	0.0	0.00
	PP-I W G							
	PA6 K 04 K							
Non Stick	PP-I W G PA6 K	25.4	1.00	K600	152.8	6.02	15.0	0.59
Non Stick/Support Ribs	PP-I W	25.4	1.00	K600	152.8	6.02	0.0	0.00
Non Stick/Support Ribs	PP-I W G PA6 K	50.8	2.00	K600	152.8	6.02	0.0	0.00
Non Stick/Support Ribs	PP-I G PA6 K	50.8	2.00	K600	152.8	6.02	15.0	0.59
Non Stick/Support Ribs	PP-I W G 04 K	76.2	3.00	K600	152.8	6.02	0.0	0.00
Non Stick/Support Ribs	PP-I W G	76.2	3.00	K600	152.8	6.02	15.0	0.59

Other Non Standard material and color: See uni Material and Color Overview.

Accessories

Side Guard

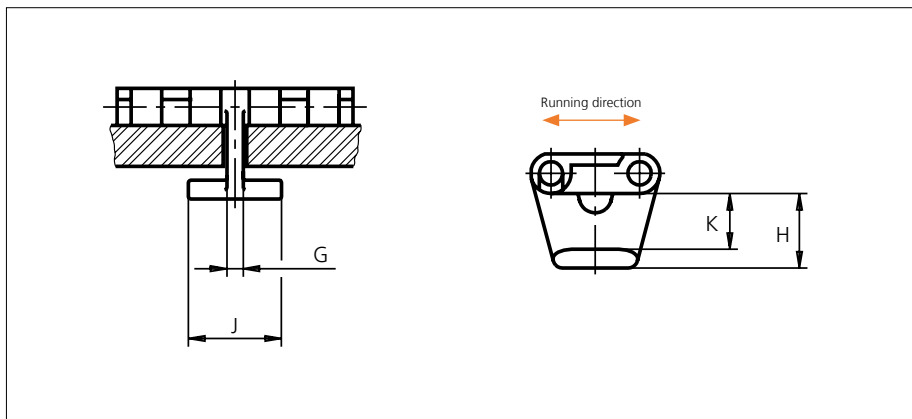


Type	Side Guard Material & color	H		A		B	
		mm	in	mm	in	mm	in
Closed	PP-I W G	31.4	1.24	15.0	0.59	25.0	0.98

Non Standard material and color: See uni Material and Color Overview.

Accessories

Tab



Type	Tab Material & color	G		J		K		H	
		mm	in	mm	in	mm	in	mm	in
Bottom Hold Down	POM-D W	3.5	0.14	20.0	0.79	11.7	0.46	15.9	0.63

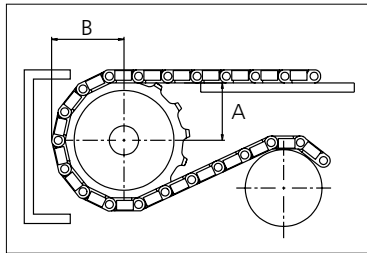
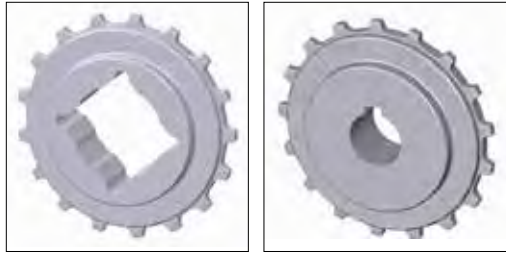
Non Standard material and color: See uni Material and Color Overview.

Sprocket

No of teeth	Bore size													Overall diameter		Pitch diameter		Hub diameter		A-dimension		B-dimension		Single row/Two way	Double row/Two way	Molded PA6 LG	Machined PA6 N
	Pilot bore	in	0.75	0.78	0.98	1.00	1.18	1.25	1.50	1.57	2.36	2.50	3.54														
	mm	19.1	20.0	25.0	25.4	30.0	31.8	38.1	40.0	60.0	63.5	90.0	mm	in	mm	in	mm	in	mm	in							
Z07	x	●	●										42.6	1.68	43.9	1.73	30.0	1.18	15.4	0.61	26.3	1.04	x		x		
Z10	x				●	●							61.7	2.43	61.6	2.43	45.0	1.77	25.0	0.98	35.2	1.39	x		x		
Z17	x			●	●	●	●	■	■				105.0	4.13	103.7	4.08	65.0	2.56	46.6	1.83	56.2	2.21	x		x		
Z24	x				●	●	●	■	■	●			147.2	5.80	146.0	5.75	70.0	2.76	68.0	2.68	77.3	3.04	x		x		
Z25	x					●	●	●	●	■	■		153.3	6.04	152.0	5.98	70.0	2.76	71.0	2.80	80.3	3.16	x		x		

■ Molded sprocket

● Molded sprocket



Other sprocket sizes are available upon request.
 Two-part sprocket are available upon request.
 Round bores are always delivered with keyway.
 Other bore sizes are available upon request.
 uni Retainer Rings: See uni Retainer Ring data sheet.
 Width of tooth = 4.8 mm (0.19 in)
 Width of sprocket = 25.0 mm (0.98 in)

Max load per sprocket shown does not take bore size into account.
 Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni Light.
 For more detailed sprocket information, contact Customer Service.

Non standard material and color: See uni Material and Color Overview.



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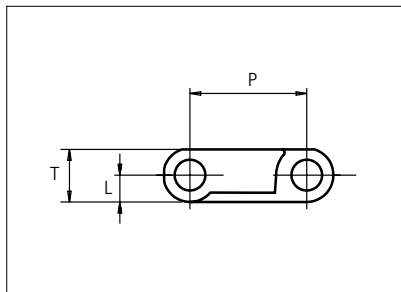
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Plastic Modular Belt

Series **uni Light** Type **10%**



Straight running belt
 Nominal pitch: 19.1 mm (0.75 in)
 Surface type: Flat
 Surface opening: 10%
 Backflex radius: 25.0 mm (2.0 in)
 Pin diameter: \varnothing 5.0 mm (0.20 in)

Belt material & color	POM-LF BR	mm	in	mm	in
Pin material & color	PP W	P (Nominal)	19.1	0.75	T
		L	4.3	0.17	-
					8.5
					0.33

Non standard material and color: See uni Material and Color Overview.

Alternative pin and lock materials: Pin: PE **W** PP **W** PA6.6 **N** **B** PBT **LG** SS304 **W** Lockpin: PBT **LG** PA6.6 **D** **N** PP **W** **B**

Belt width		Permissible tensile force (Belt/pin material)		Belt weight (Belt/pin material)		*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-LF/PP		POM-LF/PP			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	kg/m	lb/ft			
77	3.0	789	177	0.5	0.32	2	2	2
115	4.5	1175	264	0.7	0.48	2	2	2
153	6.0	1572	353	1.0	0.64	2	2	2
230	9.0	2355	529	1.4	0.96	2	2	2
306	12.1	3138	705	1.9	1.28	3	3	2
383	15.1	3921	881	2.4	1.59	3	3	2
459	18.1	4704	1057	2.8	1.91	4	4	2
535	21.1	5486	1233	3.3	2.23	4	4	2
612	24.1	6269	1409	3.8	2.55	5	5	3
688	27.1	7052	1585	4.3	2.87	5	5	3
764	30.1	7835	1761	4.7	3.19	6	6	3
841	33.1	8618	1937	5.2	3.50	6	6	3
917	36.1	9401	2113	5.7	3.82	7	7	4

Additional standard belt widths are available in steps of 76.4 mm (3.01 in.) Additional non-standard belt widths are available in steps of 19.1 mm (0.75 in.)

1910	75.2	19578	4401	11.8	7.96	13	13	7
------	------	-------	------	------	------	----	----	---

Additional standard belt widths are available in steps of 76.4 mm (3.01 in.) Additional non-standard belt widths are available in steps of 19.1 mm (0.75 in.)

2980	117.3	30545	6867	18.5	12.42	20	20	10
------	-------	-------	------	------	-------	----	----	----

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.

*Max. Load per Drive Sprocket. Belt material: POM-LF 1250 N

**Max. Spacing between wear strips, Carry: 152 mm (6 in); Return: 304 mm (12 in)

= Single Link



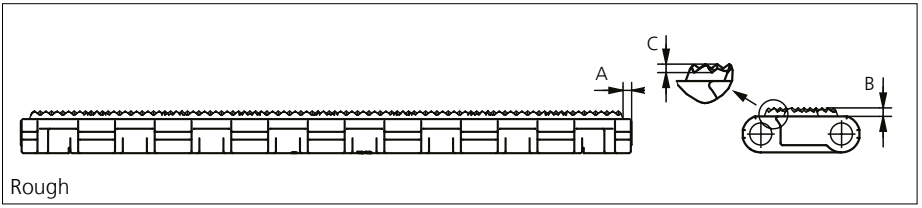
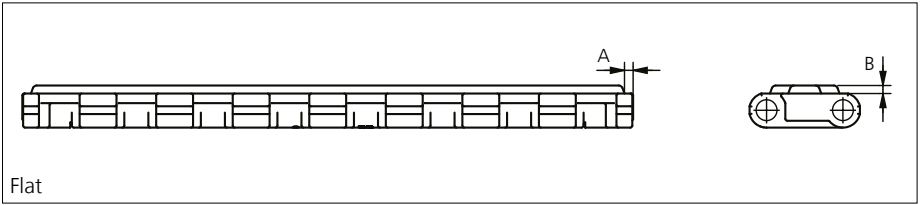
STANDARD

STRAIGHT RUNNING

PITCH 19.1 MM/0.75 IN

Accessories

Rubber Top

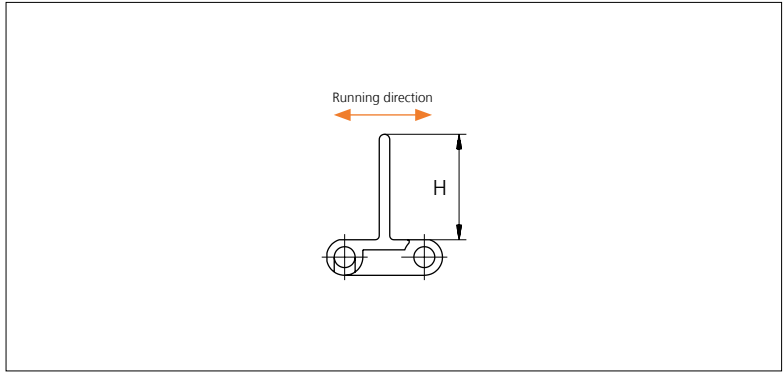
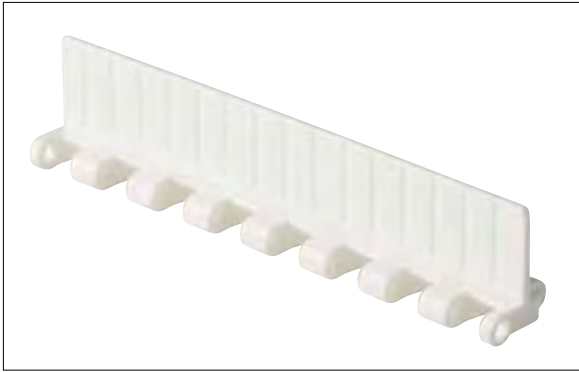


Type	Belt Material & color	Rubber Material & color	A		B		C		Link size	Width	
			mm	in	mm	in	mm	in		mm	in
Flat	PP K	03 K	2.0	0.08	2.0	0.08	1.0	0.04	K600	150.5	5.93
Rough											

Other Non Standard Rubber profiles: See uni Rubber Profile Overview.

Accessories

Flight

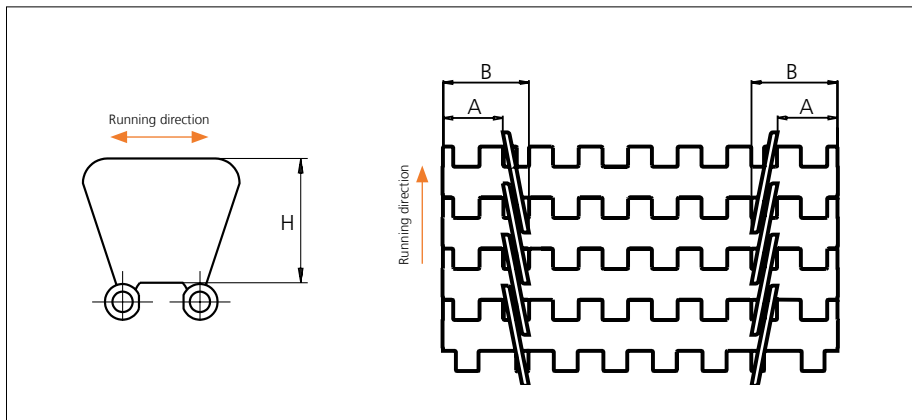


Type	Flight Material & color	H		Link size	Width		Indent	
		mm	in		mm	in	mm	in
Non Stick	PP-I W	25.4	1.00	K300	76.4	3.01	0.0	0.00
	PP-I W G							
	PA6 K 04 K							
Non Stick	PP-I W G PA6 K	25.4	1.00	K600	152.8	6.02	15.0	0.59
Non Stick/Support Ribs	PP-I W	25.4	1.00	K600	152.8	6.02	0.0	0.00
Non Stick/Support Ribs	PP-I W G PA6 K	50.8	2.00	K600	152.8	6.02	0.0	0.00
Non Stick/Support Ribs	PP-I G PA6 K	50.8	2.00	K600	152.8	6.02	15.0	0.59
Non Stick/Support Ribs	PP-I W G 04 K	76.2	3.00	K600	152.8	6.02	0.0	0.00
Non Stick/Support Ribs	PP-I W G	76.2	3.00	K600	152.8	6.02	15.0	0.59

Other Non Standard material and color: See uni Material and Color Overview.

Accessories

Side Guard

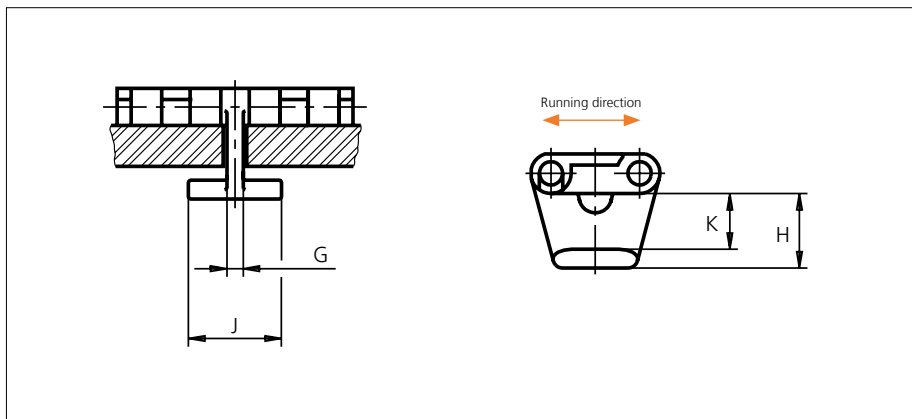


Type	Side Guard Material & color	H		A		B	
		mm	in	mm	in	mm	in
Closed	PP-I W G	31.4	1.24	15.0	0.59	25.0	0.98

Non Standard material and color: See uni Material and Color Overview.

Accessories

Tab



Type	Tab Material & color	G		J		K		H	
		mm	in	mm	in	mm	in	mm	in
Bottom Hold Down	POM-D W	3.5	0.14	20.0	0.79	11.7	0.46	15.9	0.63

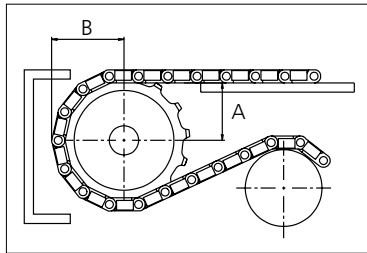
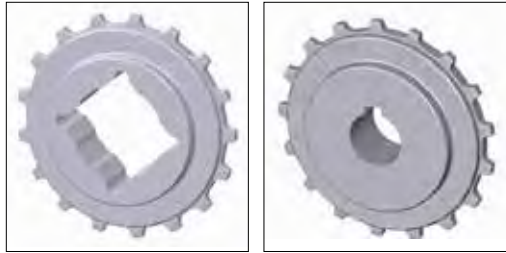
Non Standard material and color: See uni Material and Color Overview.

Sprocket

No of teeth	Bore size													Overall diameter		Pitch diameter		Hub diameter		A-dimension		B-dimension		Single row/Two way	Double row/Two way	Molded PA6 LG	Machined PA6 N
	Pilot bore		in	0.75	0.78	0.98	1.00	1.18	1.25	1.50	1.57	2.36	2.50														
	mm	19.1	20.0	25.0	25.4	30.0	31.8	38.1	40.0	60.0	63.5	90.0	mm	in	mm	in	mm	in	mm	in							
Z07	x	●	●										42.6	1.68	43.9	1.73	30.0	1.18	15.4	0.61	26.3	1.04	x		x		
Z10	x				●	●							61.7	2.43	61.6	2.43	45.0	1.77	25.0	0.98	35.2	1.39	x		x		
Z17	x			●	●	●	●	■	■				105.0	4.13	103.7	4.08	65.0	2.56	46.6	1.83	56.2	2.21	x		x		
Z24	x				●	●	●	■	■	●			147.2	5.80	146.0	5.75	70.0	2.76	68.0	2.68	77.3	3.04	x		x		
Z25	x					●	●	●	●	■	■		153.3	6.04	152.0	5.98	70.0	2.76	71.0	2.80	80.3	3.16	x		x		

■ Molded sprocket

● Molded sprocket



Other sprocket sizes are available upon request.
 Two-part sprocket are available upon request.
 Round bores are always delivered with keyway.
 Other bore sizes are available upon request.
 uni Retainer Rings: See uni Retainer Ring data sheet.
 Width of tooth = 4.8 mm (0.19 in)
 Width of sprocket = 25.0 mm (0.98 in)

Max load per sprocket shown does not take bore size into account.
 Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni Light.
 For more detailed sprocket information, contact Customer Service.

Non standard material and color: See uni Material and Color Overview.



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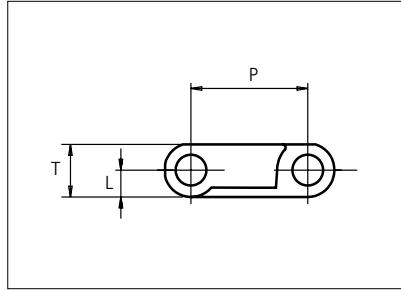
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Plastic Modular Belt

Series **uni Light** Type **22%**



Straight running belt
 Nominal pitch: 19.1 mm (0.75 in)
 Surface type: Flat
 Surface opening: 22%
 Backflex radius: 25.0 mm (2.0 in)
 Pin diameter: \varnothing 5.0 mm (0.20 in)

Belt material & color	POM-LF BR	PP G	mm	in	mm	in		
			P (Nominal)	19.1	0.75	T	8.5	0.33
Pin material & color	PP W		L	4.3	0.17	-	-	-

Non standard material and color: See uni Material and Color Overview.

Alternative pin and lock materials: Pin: PE **W** PP **W** PA6.6 **N** **B** PBT **LG** SS304 PP **W** Lockpin: PBT **LG** PA6.6 **D** **N** PP **W** **B**

Belt width		Permissible tensile force (Belt/pin material)				Belt weight (Belt/pin material)				*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-LF/PP		PP/PP		POM-LF/PP		PP/PP			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft			
77	3.0	789	177	395	89	0.4	0.29	0.3	0.21	2	2	2
153	6.0	1572	353	786	177	0.9	0.58	0.6	0.41	2	2	2
230	9.0	2355	529	1177	265	1.3	0.86	0.9	0.62	2	2	2
306	12.1	3138	705	1569	353	1.7	1.15	1.2	0.82	3	3	2
383	15.1	3921	881	1960	441	2.1	1.44	1.5	1.03	3	3	2
459	18.1	4704	1057	2352	529	2.6	1.73	1.8	1.23	4	4	2
535	21.1	5486	1233	2743	617	3.0	2.01	2.1	1.44	4	4	2
612	24.1	6269	1409	3135	705	3.4	2.30	2.4	1.64	5	5	3
688	27.1	7052	1585	3526	793	3.9	2.59	2.8	1.85	5	5	3
764	30.1	7835	1761	3918	881	4.3	2.88	3.1	2.05	6	6	3
841	33.1	8618	1937	4309	969	4.7	3.16	3.4	2.26	6	6	3
917	36.1	9401	2113	4700	1057	5.1	3.45	3.7	2.47	7	7	4
994	39.1	10184	2289	5092	1145	5.6	3.74	4.0	2.67	7	7	4

Additional standard belt widths are available in steps of 76.4 mm (3.01 in.) Additional non-standard belt widths are available in steps of 19.1 mm (0.75 in.)

1910	75.2	19578	4401	9789	2201	10.7	7.19	7.6	5.13	13	13	7
------	------	-------	------	------	------	------	------	-----	------	----	----	---

Additional standard belt widths are available in steps of 76.4 mm (3.01 in.) Additional non-standard belt widths are available in steps of 19.1 mm (0.75 in.)

2980	117.3	30545	6867	15273	3433	16.7	11.22	11.9	8.01	20	20	10
------	-------	-------	------	-------	------	------	-------	------	------	----	----	----

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.

*Max. Load per Drive Sprocket. Belt material: POM-LF 1250 N (281 lbf), PP 700 N (157 lbf)

**Max. Spacing between wear strips, Carry: 152 mm (6 in.); Return: 304 mm (12 in.)



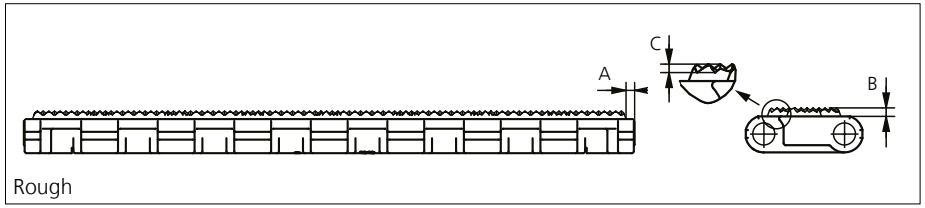
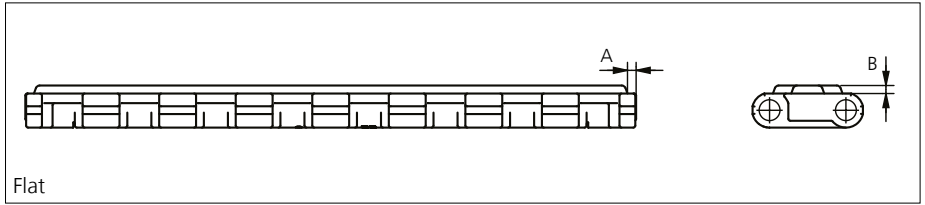
STANDARD

STRAIGHT RUNNING

PITCH 19.1 MM/0.75 IN

Accessories

Rubber Top

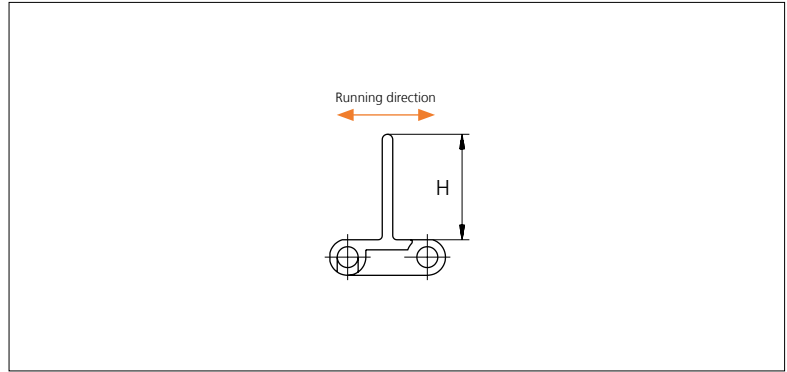
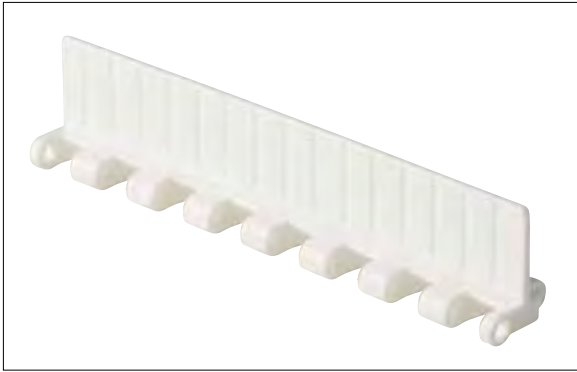


Type	Belt Material & color	Rubber Material & color	A		B		C		Link size	Width	
			mm	in	mm	in	mm	in		mm	in
Flat	PP K	03 K	2.0	0.08	2.0	0.08	1.0	0.04	K600	150.5	5.93
Rough											

Other Non Standard Rubber profiles: See uni Rubber Profile Overview.

Accessories

Flight

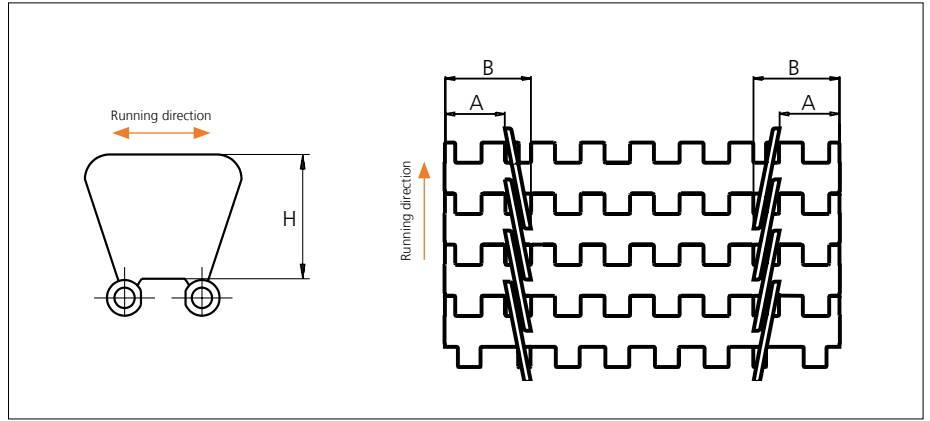


Type	Flight Material & color	H		Link size	Width		Indent	
		mm	in		mm	in	mm	in
Non Stick	PP-I W	25.4	1.00	K300	76.4	3.01	0.0	0.00
	PP-I W G							
	PA6 K 04 K							
Non Stick	PP-I W G PA6 K	25.4	1.00	K600	152.8	6.02	15.0	0.59
Non Stick/Support Ribs	PP-I W	25.4	1.00	K600	152.8	6.02	0.0	0.00
Non Stick/Support Ribs	PP-I W G PA6 K	50.8	2.00	K600	152.8	6.02	0.0	0.00
Non Stick/Support Ribs	PP-I G PA6 K	50.8	2.00	K600	152.8	6.02	15.0	0.59
Non Stick/Support Ribs	PP-I W G 04 K	76.2	3.00	K600	152.8	6.02	0.0	0.00
Non Stick/Support Ribs	PP-I W G	76.2	3.00	K600	152.8	6.02	15.0	0.59

Other Non Standard material and color: See uni Material and Color Overview.

Accessories

Side Guard

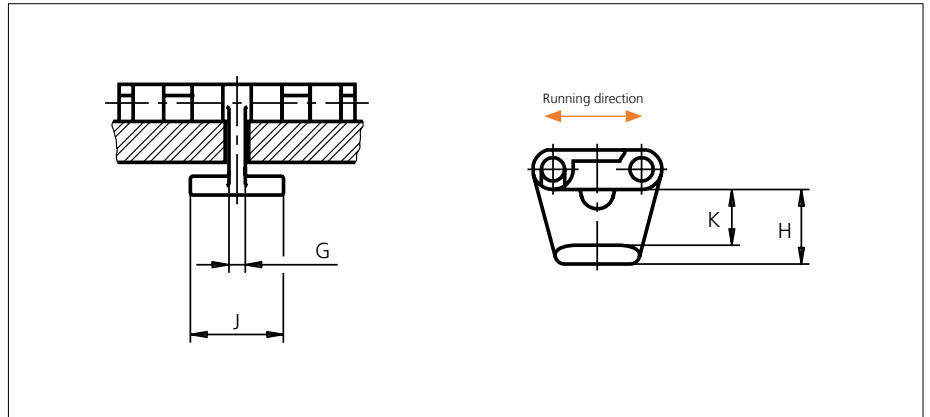


Type	Side Guard Material & color	H		A		B	
		mm	in	mm	in	mm	in
Closed	PP-I W G	31.4	1.24	15.0	0.59	25.0	0.98

Non Standard material and color: See uni Material and Color Overview.

Accessories

Tab



Type	Tab Material & color	G		J		K		H	
		mm	in	mm	in	mm	in	mm	in
Bottom Hold Down	POM-D W	3.5	0.14	20.0	0.79	11.7	0.46	15.9	0.63

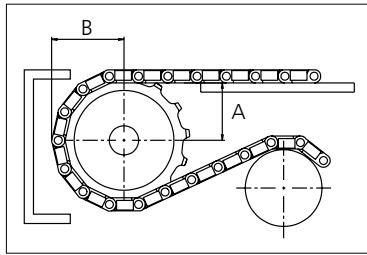
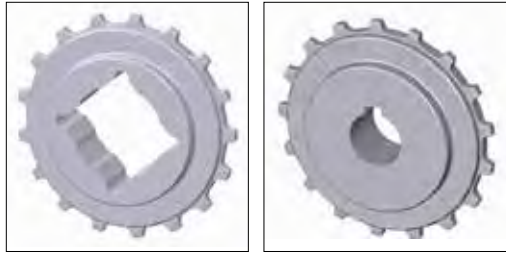
Non Standard material and color: See uni Material and Color Overview.

Sprocket

No of teeth	Bore size													Overall diameter		Pitch diameter		Hub diameter		A-dimension		B-dimension		Single row/Two way	Double row/Two way	Molded PA6 LG	Machined PA6 N
	Pilot bore	in	0.75	0.78	0.98	1.00	1.18	1.25	1.50	1.57	2.36	2.50	3.54														
	mm	19.1	20.0	25.0	25.4	30.0	31.8	38.1	40.0	60.0	63.5	90.0	mm	in	mm	in	mm	in	mm	in							
Z07	x	●	●										42.6	1.68	43.9	1.73	30.0	1.18	15.4	0.61	26.3	1.04	x		x		
Z10	x				●	●							61.7	2.43	61.6	2.43	45.0	1.77	25.0	0.98	35.2	1.39	x		x		
Z17	x			●	●	●	●	■	■				105.0	4.13	103.7	4.08	65.0	2.56	46.6	1.83	56.2	2.21	x		x		
Z24	x				●	●	●	■	■	●			147.2	5.80	146.0	5.75	70.0	2.76	68.0	2.68	77.3	3.04	x		x		
Z25	x					●	●	●	●	■	■		153.3	6.04	152.0	5.98	70.0	2.76	71.0	2.80	80.3	3.16	x		x		

■ Molded sprocket

● Molded sprocket



Other sprocket sizes are available upon request.
 Two-part sprocket are available upon request.
 Round bores are always delivered with keyway.
 Other bore sizes are available upon request.
 uni Retainer Rings: See uni Retainer Ring data sheet.
 Width of tooth = 4.8 mm (0.19 in)
 Width of sprocket = 25.0 mm (0.98 in)

Max load per sprocket shown does not take bore size into account.
 Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni Light.
 For more detailed sprocket information, contact Customer Service.

Non standard material and color: See uni Material and Color Overview.



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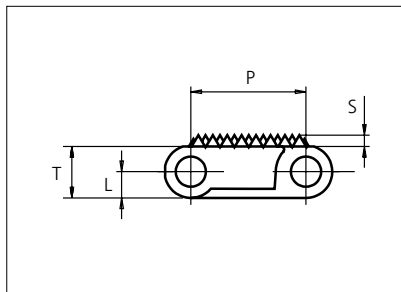
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Plastic Modular Belt

Series **uni Light** Type **Rough**



Straight running belt
 Nominal pitch: 19.1 mm (0.75 in)
 Surface type: Rough Top
 Surface opening: Closed
 Backflex radius: 25.0 mm (1.0 in)
 Pin diameter: \varnothing 5.0 mm (0.20 in)

Recommended Belt material & color	POM-D W	mm	in		mm	in	
		P (Nominal)	19.1	0.75	T	8.5	0.33
Recommended Pin material & color	PA6.6 N	L	4.3	0.17	S	1.5	0.06

Non standard material and color: See uni Material and Color Overview.

Alternative pin and lock materials: Pin: PE **W** PP **W** PA6.6 **N** **B** PBT **LG** SS304 **W** Lockpin: PBT **LG** PA6.6 **D** **N** PP **W** **B**

Belt width		Permissible tensile force (Belt/pin material)						Belt weight (Belt/pin material)						*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-LF/PA6.6		PP/PA6.6		PA6/PBT-GR		POM-LF/PA6.6		PP/PA6.6		PA6/PBT-GR			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft	kg/m	lb/ft			
77	3.0	789	177	395	89	789	177	0.5	0.35	0.4	0.25	0.4	0.29	2	2	2
153	6.0	1572	353	786	177	1572	353	1.0	0.70	0.7	0.49	0.9	0.58	2	2	2
230	9.0	2355	529	1177	265	2355	529	1.6	1.05	1.1	0.74	1.3	0.86	2	2	2
306	12.1	3138	705	1569	353	3138	705	2.1	1.40	1.5	0.99	1.7	1.15	3	3	2
383	15.1	3921	881	1960	441	3921	881	2.6	1.75	1.8	1.23	2.1	1.44	3	3	2
459	18.1	4704	1057	2352	529	4704	1057	3.1	2.10	2.2	1.48	2.6	1.73	4	4	2
535	21.1	5486	1233	2743	617	5486	1233	3.6	2.45	2.6	1.73	3.0	2.01	4	4	2
612	24.1	6269	1409	3135	705	6269	1409	4.2	2.80	2.9	1.97	3.4	2.30	5	5	3
688	27.1	7052	1585	3526	793	7052	1585	4.7	3.14	3.3	2.22	3.9	2.59	5	5	3
764	30.1	7835	1761	3918	881	7835	1761	5.2	3.49	3.7	2.47	4.3	2.88	6	6	3
841	33.1	8618	1937	4309	969	8618	1937	5.7	3.84	4.0	2.71	4.7	3.16	6	6	3
917	36.1	9401	2113	4700	1057	9401	2113	6.2	4.19	4.4	2.96	5.1	3.45	7	7	4
994	39.1	10184	2289	5092	1145	10184	2289	6.8	4.54	4.8	3.20	5.6	3.74	7	7	4

Additional standard belt widths are available in steps of 76.4 mm (3.01 in) Additional non-standard belt widths are available in steps of 19.1 mm (0.75 in)

1910	75.2	19578	4401	9789	2201	19578	4401	13.0	8.73	9.2	6.16	10.7	7.19	13	13	7
------	------	-------	------	------	------	-------	------	------	------	-----	------	------	------	----	----	---

Additional standard belt widths are available in steps of 76.4 mm (3.01 in) Additional non-standard belt widths are available in steps of 19.1 mm (0.75 in)

2980	117.3	30545	6867	15273	3433	30545	6867	20.3	13.62	14.3	9.61	16.7	11.22	20	20	10
------	-------	-------	------	-------	------	-------	------	------	-------	------	------	------	-------	----	----	----

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.

*Max. Load per Drive Sprocket. Belt material: POM-LF 1250 N (281 lbf), PP 700 N (157 lbf), PA6 1250 N (281 lbf)

**Max. Spacing between wear strips, Carry: 152 mm (6 in); Return: 304 mm (12 in)

= Single Link



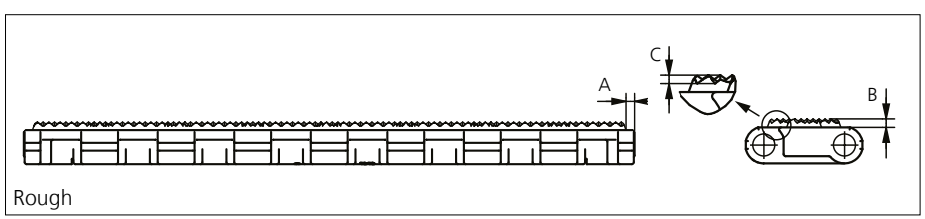
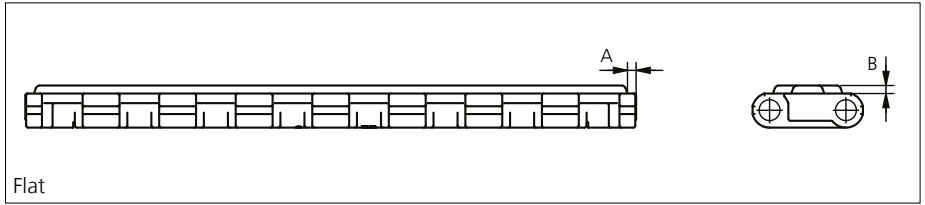
NON STANDARD

STRAIGHT RUNNING

PITCH 19.1 MM/0.75 IN

Accessories

Rubber Top

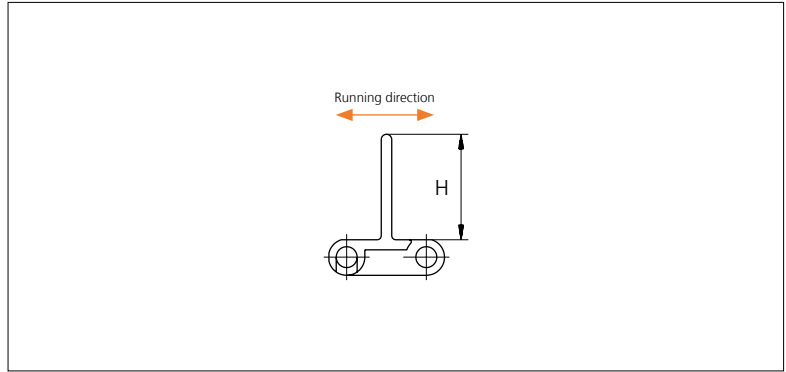
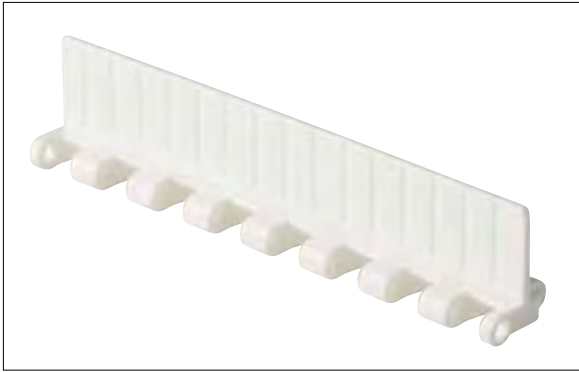


Type	Belt Material & color	Rubber Material & color	A		B		C		Link size	Width	
			mm	in	mm	in	mm	in		mm	in
Flat	PP K	03 K	2.0	0.08	2.0	0.08	1.0	0.04	K600	150.5	5.93
Rough											

Other Non Standard Rubber profiles: See uni Rubber Profile Overview.

Accessories

Flight

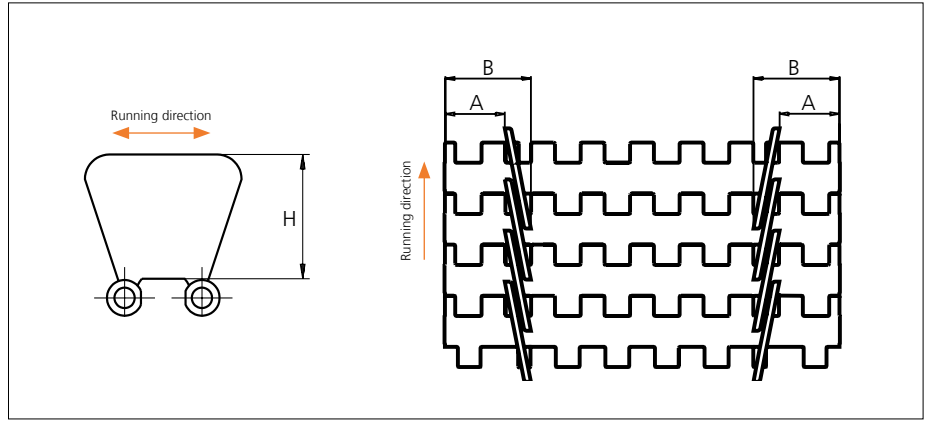


Type	Flight Material & color	H		Link size	Width		Indent	
		mm	in		mm	in	mm	in
Non Stick	PP-I W	25.4	1.00	K300	76.4	3.01	0.0	0.00
	PP-I W G							
	PA6 K 04 K							
Non Stick	PP-I W G PA6 K	25.4	1.00	K600	152.8	6.02	15.0	0.59
Non Stick/Support Ribs	PP-I W	25.4	1.00	K600	152.8	6.02	0.0	0.00
Non Stick/Support Ribs	PP-I W G PA6 K	50.8	2.00	K600	152.8	6.02	0.0	0.00
Non Stick/Support Ribs	PP-I G PA6 K	50.8	2.00	K600	152.8	6.02	15.0	0.59
Non Stick/Support Ribs	PP-I W G 04 K	76.2	3.00	K600	152.8	6.02	0.0	0.00
Non Stick/Support Ribs	PP-I W G	76.2	3.00	K600	152.8	6.02	15.0	0.59

Other Non Standard material and color: See uni Material and Color Overview.

Accessories

Side Guard

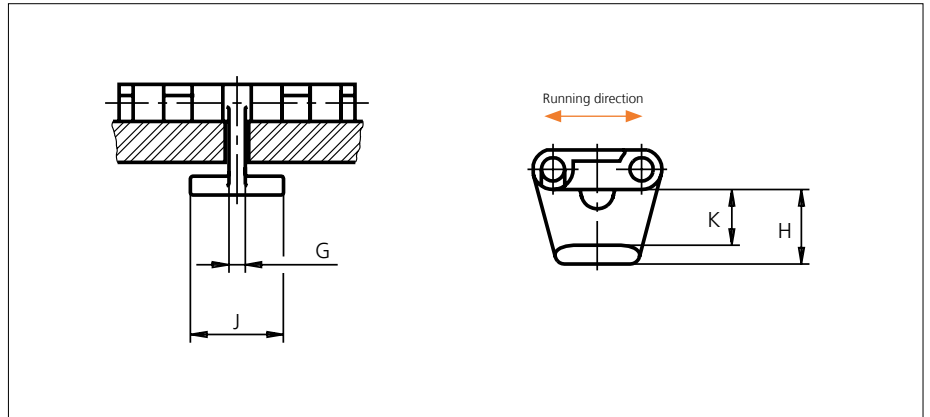


Type	Side Guard Material & color	H		A		B	
		mm	in	mm	in	mm	in
Closed	PP-I W G	31.4	1.24	15.0	0.59	25.0	0.98

Non Standard material and color: See uni Material and Color Overview.

Accessories

Tab

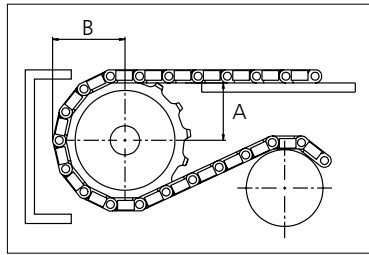
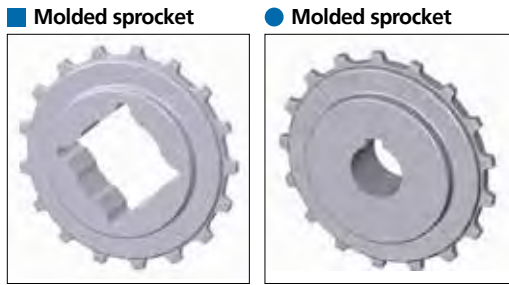


Type	Tab Material & color	G		J		K		H	
		mm	in	mm	in	mm	in	mm	in
Bottom Hold Down	POM-D W	3.5	0.14	20.0	0.79	11.7	0.46	15.9	0.63

Non Standard material and color: See uni Material and Color Overview.

Sprocket

No of teeth	Bore size													Overall diameter		Pitch-diameter		Hub-diameter		A-dimension		B-dimension		Single row/Two way	Double row/Two way	Molded PA6 LG	Machined PA6 N
	Pilot bore		in	0.75	0.78	0.98	1.00	1.18	1.25	1.50	1.57	2.36	2.50														
	mm	19.1	20.0	25.0	25.4	30.0	31.8	38.1	40.0	60.0	63.5	90.0	mm	in	mm	in	mm	in	mm	in							
Z07	x	●	●										42.6	1.68	43.9	1.73	30.0	1.18	15.4	0.61	26.3	1.04	x		x		
Z10	x				●	●							61.7	2.43	61.6	2.43	45.0	1.77	25.0	0.98	35.2	1.39	x		x		
Z17	x			●	●	●	●	■	■				105.0	4.13	103.7	4.08	65.0	2.56	46.6	1.83	56.2	2.21	x		x		
Z24	x				●	●	●	■	■	●			147.2	5.80	146.0	5.75	70.0	2.76	68.0	2.68	77.3	3.04	x		x		
Z25	x					●	●	●	●	■	■		153.3	6.04	152.0	5.98	70.0	2.76	71.0	2.80	80.3	3.16	x		x		



Other sprocket sizes are available upon request
 Two-part sprocket are available upon request
 Other bore sizes are available upon request
 uni Retainer Rings: See uni Retainer Ring data sheet
 Width of tooth = 4.8 mm (0.19 in)
 Width of sprocket = 25.0 mm (0.98 in)

Max load per sprocket shown does not take bore size into account.
 Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni Light.
 For more detailed sprocket information, contact Customer Service.

Non standard material and color: See uni Material and Color Overview.



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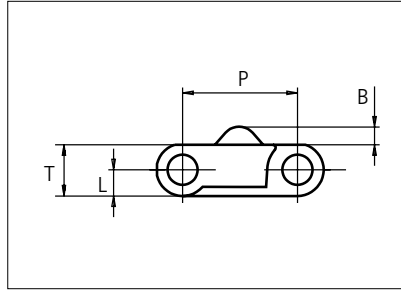
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Plastic Modular Belt

Series **uni Light** Type **10% SR**



Straight running belt
 Nominal pitch: 19.1 mm (0.75 in)
 Surface type: Small Rib
 Surface opening: Closed
 Backflex radius: 25.0 mm (1.0 in)
 Pin diameter: \varnothing 5.0 mm (0.20 in)

Recommended Belt material & color	POM-LF G		mm	in		mm	in
		P (Nominal)	19.1	0.75	T	8.5	0.33
Recommended Pin material & color	PA6.6 N						
		L	4.3	0.17	B	3.0	0.12

Non standard material and color: See uni Material and Color Overview.

Alternative pin and lock materials: Pin: PE **W** PP **W** PA6.6 **N** **B** PBT **LG** SS304 PP **W** Lockpin: PBT **LG** PA6.6 **D** **N** PP **W** **B**

Belt width		Permissible tensile force (Belt/pin material)		Belt weight (Belt/pin material)		*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-SLF/PA6.6		POM-SLF/PA6.6			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	kg/m	lb/ft			
77	3.0	789	177	0.5	0.32	2	2	2
153	6.0	1572	353	1.0	0.64	2	2	2
230	9.0	2355	529	1.4	0.96	2	2	2
306	12.1	3138	705	1.9	1.28	3	3	2
383	15.1	3921	881	2.4	1.59	3	3	2
459	18.1	4704	1057	2.8	1.91	4	4	2
535	21.1	5486	1233	3.3	2.23	4	4	2
612	24.1	6269	1409	3.8	2.55	5	5	3
688	27.1	7052	1585	4.3	2.87	5	5	3
764	30.1	7835	1761	4.7	3.19	6	6	3
841	33.1	8618	1937	5.2	3.50	6	6	3
917	36.1	9401	2113	5.7	3.82	7	7	4
994	39.1	10184	2289	6.2	4.14	7	7	4

Additional standard belt widths are available in steps of 76.4 mm (3.01 in.) Additional non-standard belt widths are available in steps of 19.1 mm (0.75 in.)

1910	75.2	19578	4401	11.8	7.96	13	13	7
------	------	-------	------	------	------	----	----	---

Additional standard belt widths are available in steps of 76.4 mm (3.01 in.) Additional non-standard belt widths are available in steps of 19.1 mm (0.75 in.)

2980	117.3	30545	6867	18.5	12.42	20	20	10
------	-------	-------	------	------	-------	----	----	----

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.

*Max. Load per Drive Sprocket. Belt material: POM-LF 1250 N

**Max. Spacing between wear strips, Carry: 152 mm (6 in.); Return: 304 mm (12 in.)



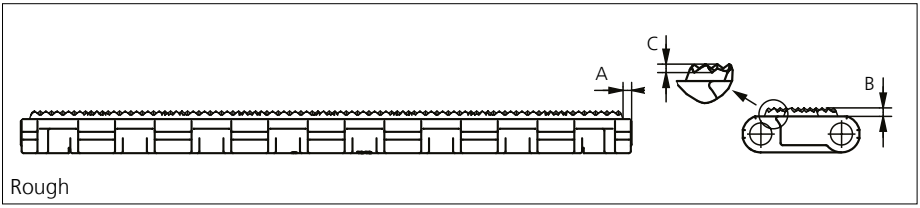
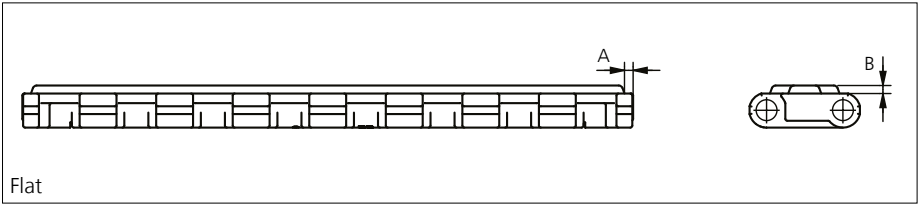
NON STANDARD

STRAIGHT RUNNING

PITCH 19.1 MM/0.75 IN

Accessories

Rubber Top

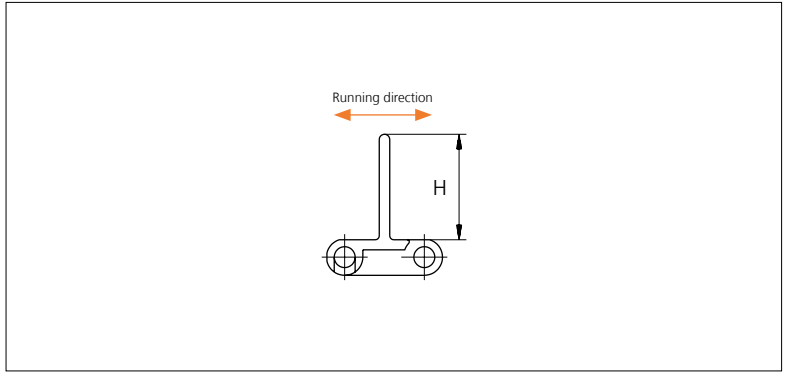
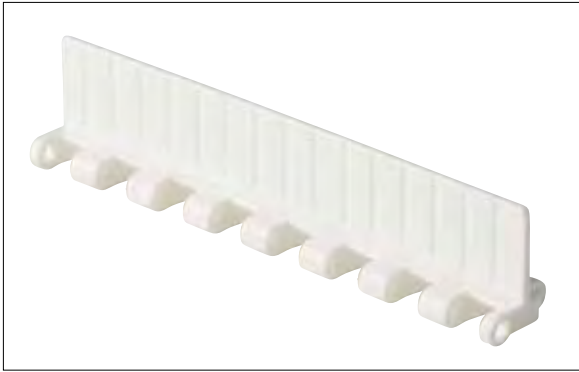


Type	Belt Material & color	Rubber Material & color	A		B		C		Link size	Width	
			mm	in	mm	in	mm	in		mm	in
Flat	PP K	03 K	2.0	0.08	2.0	0.08	1.0	0.04	K600	150.5	5.93
Rough											

Other Non Standard Rubber profiles: See uni Rubber Profile Overview.

Accessories

Flight

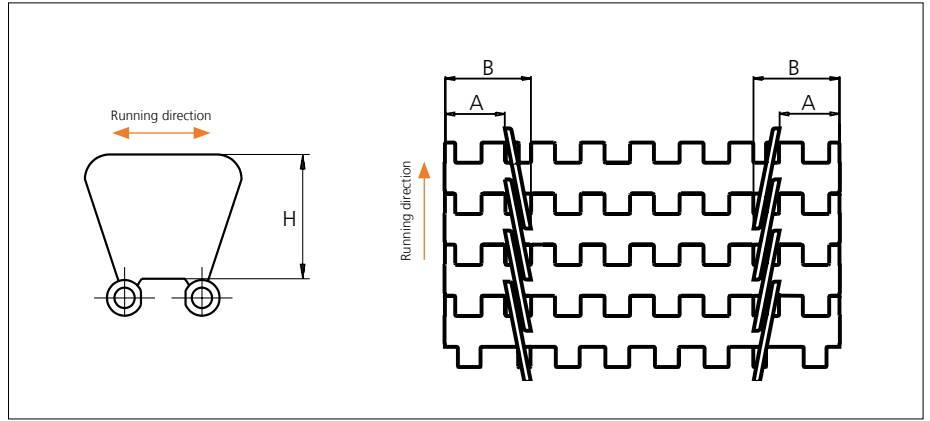


Type	Flight Material & color	H		Link size	Width		Indent	
		mm	in		mm	in	mm	in
Non Stick	PP-I W	25.4	1.00	K300	76.4	3.01	0.0	0.00
	PP-I W G							
	PA6 K 04 K							
Non Stick	PP-I W G PA6 K	25.4	1.00	K600	152.8	6.02	15.0	0.59
Non Stick/Support Ribs	PP-I W	25.4	1.00	K600	152.8	6.02	0.0	0.00
Non Stick/Support Ribs	PP-I W G PA6 K	50.8	2.00	K600	152.8	6.02	0.0	0.00
Non Stick/Support Ribs	PP-I G PA6 K	50.8	2.00	K600	152.8	6.02	15.0	0.59
Non Stick/Support Ribs	PP-I W G 04 K	76.2	3.00	K600	152.8	6.02	0.0	0.00
Non Stick/Support Ribs	PP-I W G	76.2	3.00	K600	152.8	6.02	15.0	0.59

Other Non Standard material and color: See uni Material and Color Overview.

Accessories

Side Guard

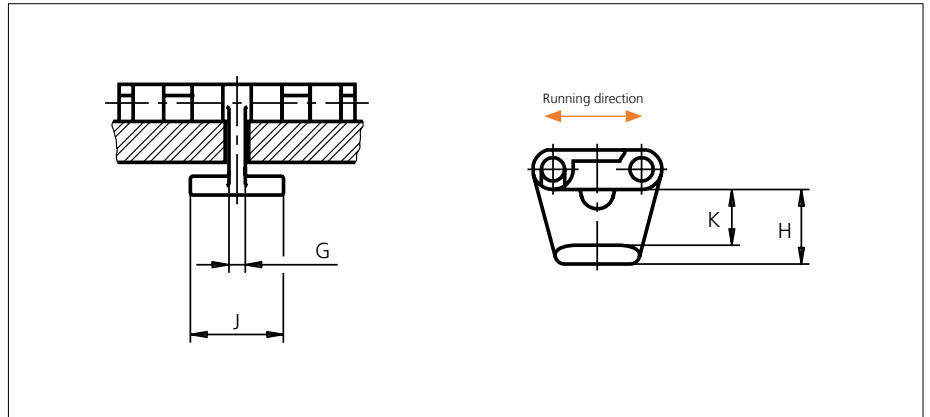


Type	Side Guard Material & color	H		A		B	
		mm	in	mm	in	mm	in
Closed	PP-I W G	31.4	1.24	15.0	0.59	25.0	0.98

Non Standard material and color: See uni Material and Color Overview.

Accessories

Tab



Type	Tab Material & color	G		J		K		H	
		mm	in	mm	in	mm	in	mm	in
Bottom Hold Down	POM-D W	3.5	0.14	20.0	0.79	11.7	0.46	15.9	0.63

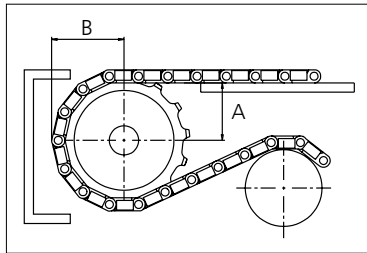
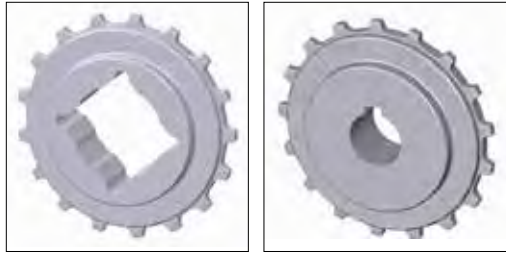
Non Standard material and color: See uni Material and Color Overview.

Sprocket

No of teeth	Bore size													Overall diameter		Pitch-diameter		Hub-diameter		A-dimension		B-dimension		Single row/Two way	Double row/Two way	Molded PA6 LG	Machined PA6 N
	Pilot bore	in	0.75	0.78	0.98	1.00	1.18	1.25	1.50	1.57	2.36	2.50	3.54														
	mm	19.1	20.0	25.0	25.4	30.0	31.8	38.1	40.0	60.0	63.5	90.0	mm	in	mm	in	mm	in	mm	in							
Z07	x	●	●										42.6	1.68	43.9	1.73	30.0	1.18	15.4	0.61	26.3	1.04	x		x		
Z10	x				●	●							61.7	2.43	61.6	2.43	45.0	1.77	25.0	0.98	35.2	1.39	x		x		
Z17	x			●	●	●	●	■	■				105.0	4.13	103.7	4.08	65.0	2.56	46.6	1.83	56.2	2.21	x		x		
Z24	x				●	●	●	■	■	●			147.2	5.80	146.0	5.75	70.0	2.76	68.0	2.68	77.3	3.04	x		x		
Z25	x					●	●	●	●	■	■		153.3	6.04	152.0	5.98	70.0	2.76	71.0	2.80	80.3	3.16	x		x		

■ Molded sprocket

● Molded sprocket



Other sprocket sizes are available upon request.
 Two-part sprocket are available upon request.
 Round bores are always delivered with keyway.
 Other bore sizes are available upon request.
 uni Retainer Rings: See uni Retainer Ring data sheet
 Width of tooth = 4.8 mm (0.19 in)
 Width of sprocket = 25.0 mm (0.98 in)

Max load per sprocket shown does not take bore size into account.
 Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni Light.
 For more detailed sprocket information, contact Customer Service.

Non standard material and color: See uni Material and Color Overview.

uni Light 10% SR/1301



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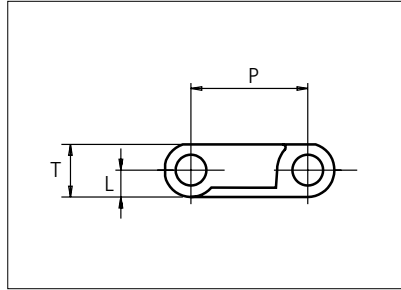
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Plastic Modular Belt

Series **uni Light** Type **18%**



Straight running belt
 Nominal pitch: 19.1 mm (0.75 in)
 Surface type: Flat
 Surface opening: 18%
 Backflex radius: 25.0 mm (1.0 in)
 Pin diameter: \varnothing 5.0 mm (0.20 in)

Recommended Belt material & color	POM-D W	mm	in		mm	in	
Recommended Pin material & color	PA6.6 N	P (Nominal)	19.1	0.75	T	8.5	0.33
		L	4.3	0.17	-	-	-

Non standard material and color: See uni Material and Color Overview.

Alternative pin and lock materials: Pin: PE **W** PP **W** PA6.6 **N** **B** PBT **LG** SS304 PP **W** Lockpin: PBT **LG** PA6.6 **D** **N** PP **W** **B**

Belt width		Permissible tensile force (Belt/pin material)				Belt weight (Belt/pin material)				*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-LF/PA6.6		PP/PA6.6		POM-LF/PA6.6		PP/PA6.6			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft			
77	3.0	789	177	395	89	0.4	0.29	0.3	0.21	2	2	2
153	6.0	1572	353	786	177	0.9	0.58	0.6	0.41	2	2	2
230	9.0	2355	529	1177	265	1.3	0.86	0.9	0.62	2	2	2
306	12.1	3138	705	1569	353	1.7	1.15	1.2	0.82	3	3	2
383	15.1	3921	881	1960	441	2.1	1.44	1.5	1.03	3	3	2
459	18.1	4704	1057	2352	529	2.6	1.73	1.8	1.23	4	4	2
535	21.1	5486	1233	2743	617	3.0	2.01	2.1	1.44	4	4	2
612	24.1	6269	1409	3135	705	3.4	2.30	2.4	1.64	5	5	3
688	27.1	7052	1585	3526	793	3.9	2.59	2.8	1.85	5	5	3
764	30.1	7835	1761	3918	881	4.3	2.88	3.1	2.05	6	6	3
841	33.1	8618	1937	4309	969	4.7	3.16	3.4	2.26	6	6	3
917	36.1	9401	2113	4700	1057	5.1	3.45	3.7	2.47	7	7	4
994	39.1	10184	2289	5092	1145	5.6	3.74	4.0	2.67	7	7	4

Additional standard belt widths are available in steps of 76.4 mm (3.01 in.) Additional non-standard belt widths are available in steps of 19.1 mm (0.75 in.)

1910	75.2	19578	4401	9789	2201	10.7	7.19	7.6	5.13	13	13	7
------	------	-------	------	------	------	------	------	-----	------	----	----	---

Additional standard belt widths are available in steps of 76.4 mm (3.01 in.) Additional non-standard belt widths are available in steps of 19.1 mm (0.75 in.)

2980	117.3	30545	6867	15273	3433	16.7	11.22	11.9	8.01	20	20	10
------	-------	-------	------	-------	------	------	-------	------	------	----	----	----

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.

*Max. Load per Drive Sprocket. Belt material: POM-LF 1250 N (281 lbf), PP 700 N (157 lbf)

**Max. Spacing between wear strips, Carry: 152 mm (6 in.) ; Return: 304 mm (12in.)



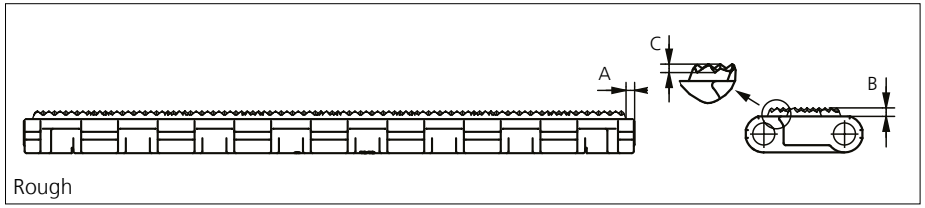
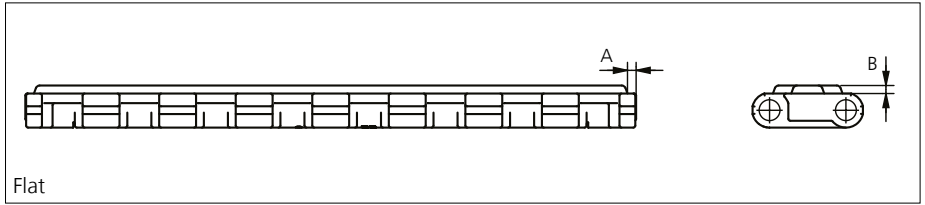
NON STANDARD

STRAIGHT RUNNING

PITCH 19.1 MM/0.75 IN

Accessories

Rubber Top

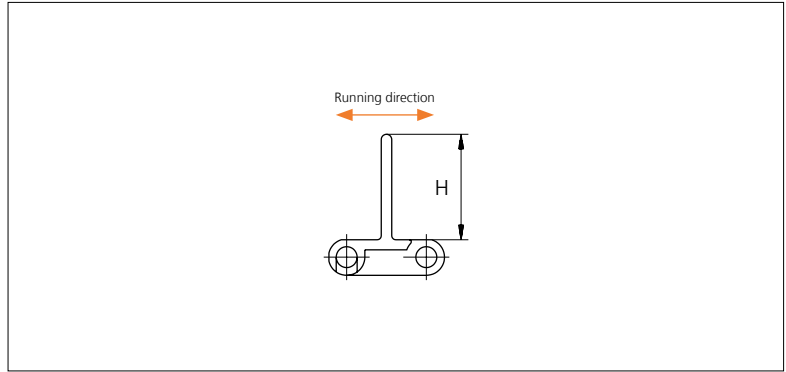
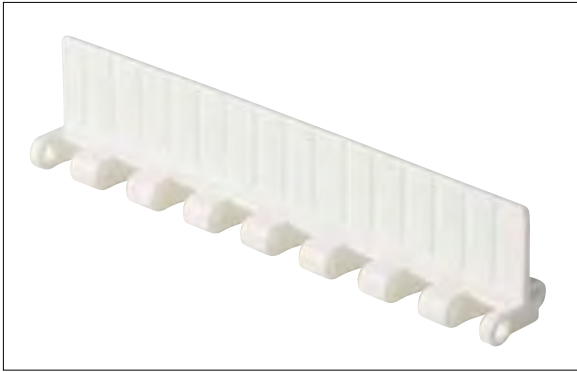


Type	Belt Material & color	Rubber Material & color	A		B		C		Link size	Width	
			mm	in	mm	in	mm	in		mm	in
Flat	PP K	03 K	2.0	0.08	2.0	0.08	1.0	0.04	K600	150.5	5.93
Rough											

Other Non Standard Rubber profiles: See uni Rubber Profile Overview.

Accessories

Flight

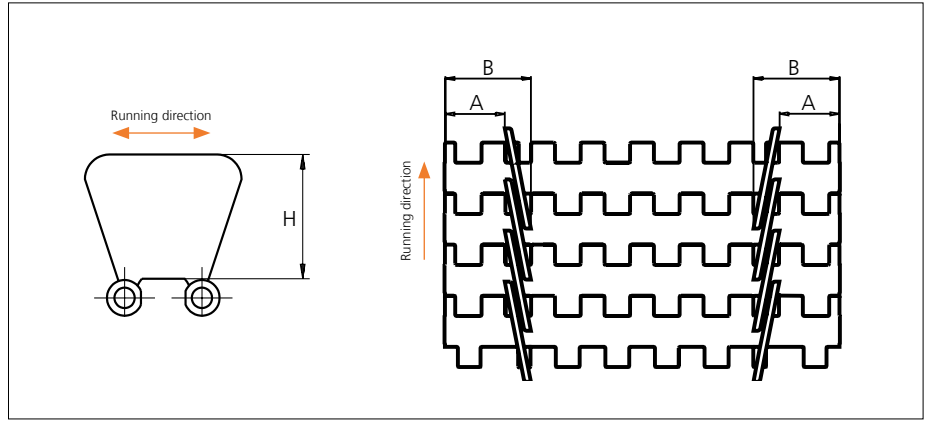


Type	Flight Material & color	H		Link size	Width		Indent	
		mm	in		mm	in	mm	in
Non Stick	PP-I W	25.4	1.00	K300	76.4	3.01	0.0	0.00
	PP-I W G							
	PA6 K 04 K							
Non Stick	PP-I W G PA6 K	25.4	1.00	K600	152.8	6.02	15.0	0.59
Non Stick/Support Ribs	PP-I W	25.4	1.00	K600	152.8	6.02	0.0	0.00
Non Stick/Support Ribs	PP-I W G PA6 K	50.8	2.00	K600	152.8	6.02	0.0	0.00
Non Stick/Support Ribs	PP-I G PA6 K	50.8	2.00	K600	152.8	6.02	15.0	0.59
Non Stick/Support Ribs	PP-I W G 04 K	76.2	3.00	K600	152.8	6.02	0.0	0.00
Non Stick/Support Ribs	PP-I W G	76.2	3.00	K600	152.8	6.02	15.0	0.59

Other Non Standard material and color: See uni Material and Color Overview.

Accessories

Side Guard

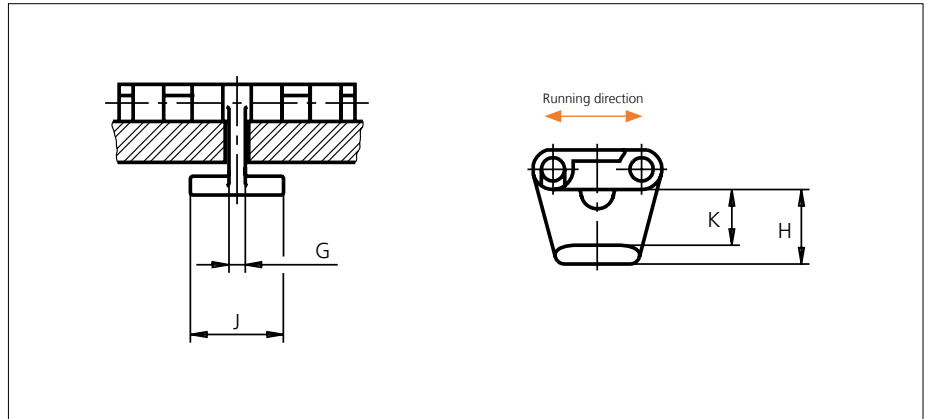


Type	Side Guard Material & color	H		A		B	
		mm	in	mm	in	mm	in
Closed	PP-I W G	31.4	1.24	15.0	0.59	25.0	0.98

Non Standard material and color: See uni Material and Color Overview.

Accessories

Tab

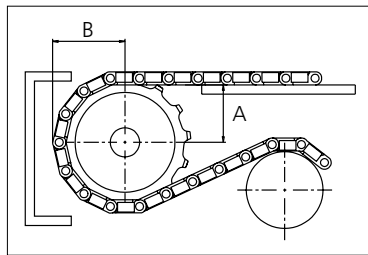
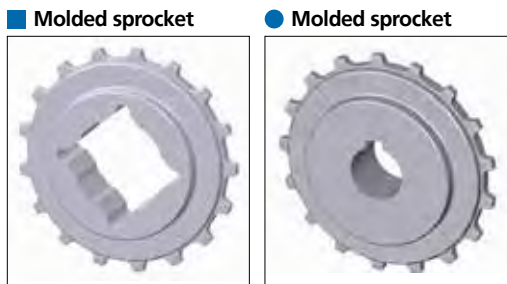


Type	Tab Material & color	G		J		K		H	
		mm	in	mm	in	mm	in	mm	in
Bottom Hold Down	POM-D W	3.5	0.14	20.0	0.79	11.7	0.46	15.9	0.63

Non Standard material and color: See uni Material and Color Overview.

Sprocket

No of teeth	Bore size													Overall diameter		Pitch-diameter		Hub-diameter		A-dimension		B-dimension		Single row/Two way	Double row/Two way	Molded PA6 LG	Machined PA6 N
	Pilot bore		in	0.75	0.78	0.98	1.00	1.18	1.25	1.50	1.57	2.36	2.50														
	mm	19.1	20.0	25.0	25.4	30.0	31.8	38.1	40.0	60.0	63.5	90.0	mm	in	mm	in	mm	in	mm	in							
Z07	x	●	●									42.6	1.68	43.9	1.73	30.0	1.18	15.4	0.61	26.3	1.04	x		x			
Z10	x				●	●						61.7	2.43	61.6	2.43	45.0	1.77	25.0	0.98	35.2	1.39	x		x			
Z17	x			●	●	●	●	■	■			105.0	4.13	103.7	4.08	65.0	2.56	46.6	1.83	56.2	2.21	x		x			
Z24	x				●	●	●	■	■	●		147.2	5.80	146.0	5.75	70.0	2.76	68.0	2.68	77.3	3.04	x		x			
Z25	x					●	●	●	●	■	■	153.3	6.04	152.0	5.98	70.0	2.76	71.0	2.80	80.3	3.16	x		x			



Other sprocket sizes are available upon request.
 Two-part sprocket are available upon request.
 Round bores are always delivered with keyway.
 Other bore sizes are available upon request.
 uni Retainer Rings: See uni Retainer Ring data sheet
 Width of tooth = 4.8 mm (0.19 in)
 Width of sprocket = 25.0 mm (0.98 in)

Max load per sprocket shown does not take bore size into account.
 Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni Light.
 For more detailed sprocket information, contact Customer Service.

Non standard material and color: See uni Material and Color Overview.



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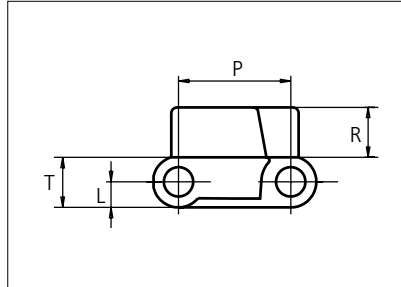
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Plastic Modular Belt

Series **uni Light** Type **Rib**



Straight running belt
 Nominal pitch: 19.1 mm (0.75 in)
 Surface type: Rib Top
 Surface opening: Closed
 Backflex radius: 50.0 mm (2.0 in)
 Pin diameter: \varnothing 5.0 mm (0.20 in)

Recommended Belt material & color	POM-LF G	mm	in		mm	in	
		P (Nominal)	19.1	0.75	T	8.5	0.33
Recommended Pin material & color	PA6.6 N	L	4.3	0.17	R	7.3	0.29

Non standard material and color: See uni Material and Color Overview.

Alternative pin and lock materials: Pin: PE **W** PP **W** PA6.6 **N** **B** PBT **LG** SS304 PP **W** Lockpin: PBT **LG** PA6.6 **D** **N** PP **W** **B**

Belt width		Permissible tensile force (Belt/pin material)						Belt weight (Belt/pin material)						*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-LF/PA6.6		PP/PA6.6		PA6/PBT-GR		POM-LF/PA6.6		PP/PA6.6		PA6/PBT-GR			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft	kg/m	lb/ft			
77	3.0	789	177	395	89	789	177	0.5	0.35	0.4	0.25	0.4	0.29	2	2	2
153	6.0	1572	353	786	177	1572	353	1.0	0.70	0.7	0.49	0.9	0.58	2	2	2
230	9.0	2355	529	1177	265	2355	529	1.6	1.05	1.1	0.74	1.3	0.86	2	2	2
306	12.1	3138	705	1569	353	3138	705	2.1	1.40	1.5	0.99	1.7	1.15	3	3	2
383	15.1	3921	881	1960	441	3921	881	2.6	1.75	1.8	1.23	2.1	1.44	3	3	2
459	18.1	4704	1057	2352	529	4704	1057	3.1	2.10	2.2	1.48	2.6	1.73	4	4	2
535	21.1	5486	1233	2743	617	5486	1233	3.6	2.45	2.6	1.73	3.0	2.01	4	4	2
612	24.1	6269	1409	3135	705	6269	1409	4.2	2.80	2.9	1.97	3.4	2.30	5	5	3
688	27.1	7052	1585	3526	793	7052	1585	4.7	3.14	3.3	2.22	3.9	2.59	5	5	3
764	30.1	7835	1761	3918	881	7835	1761	5.2	3.49	3.7	2.47	4.3	2.88	6	6	3
841	33.1	8618	1937	4309	969	8618	1937	5.7	3.84	4.0	2.71	4.7	3.16	6	6	3
917	36.1	9401	2113	4700	1057	9401	2113	6.2	4.19	4.4	2.96	5.1	3.45	7	7	4
994	39.1	10184	2289	5092	1145	10184	2289	6.8	4.54	4.8	3.20	5.6	3.74	7	7	4

Additional standard belt widths are available in steps of 76.4 mm (3.01 in.) Additional non-standard belt widths are available in steps of 19.1 mm (0.75 in.)

1910	75.2	19578	4401	9789	2201	19578	4401	13.0	8.73	9.2	6.16	10.7	7.19	13	13	7
------	------	-------	------	------	------	-------	------	------	------	-----	------	------	------	----	----	---

Additional standard belt widths are available in steps of 76.4 mm (3.01 in.) Additional non-standard belt widths are available in steps of 19.1 mm (0.75 in.)

2980	117.3	30545	6867	15273	3433	30545	6867	20.3	13.62	14.3	9.61	16.7	11.22	20	20	10
------	-------	-------	------	-------	------	-------	------	------	-------	------	------	------	-------	----	----	----

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.

*Max. Load per Drive Sprocket. Belt material: POM-LF 1250 N (281 lbf), PP 700 N (157 lbf), PA6 1250 N (281 lbf)

**Max. Spacing between wear strips, Carry: 152 mm (6 in.); Return: 304 mm (12 in.)



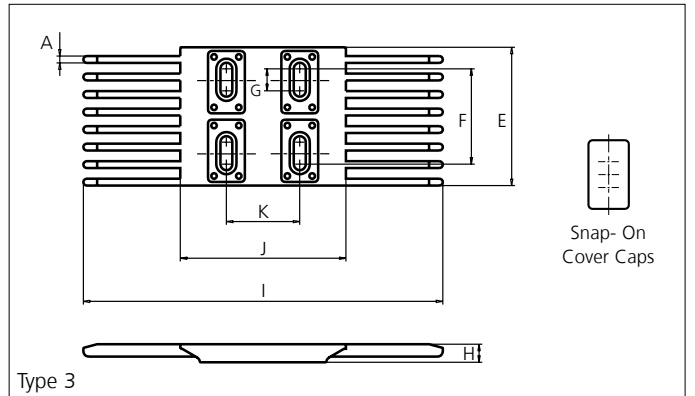
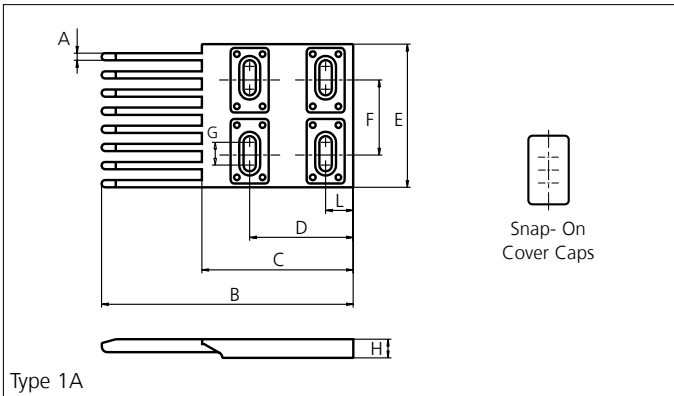
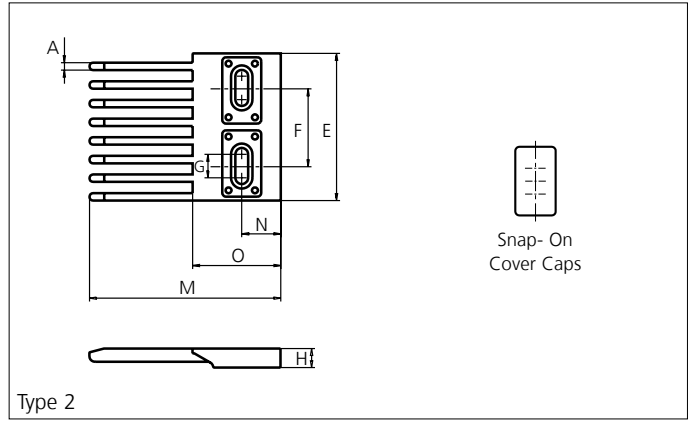
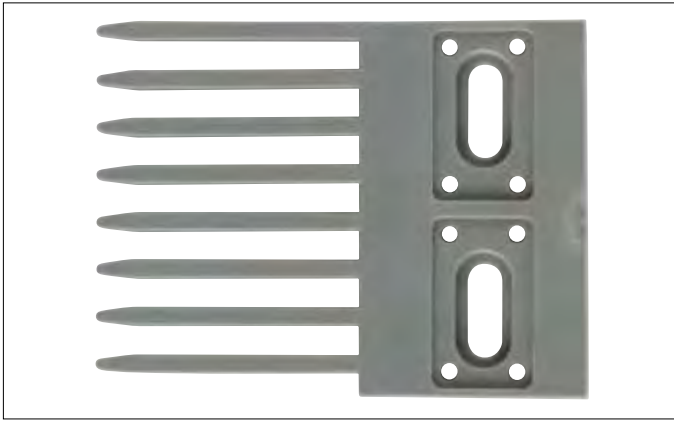
NON STANDARD

STRAIGHT RUNNING

PITCH 19.1 MM/0.75 IN

Accessories

Finger Plate



Type	Material & color	A		B		C		D		E		F	
		mm	in	mm	in	mm	in	mm	in	mm	in	mm	in
Single Sided	POM-LF BR	3.8	0.15	132.9	5.23	80.0	3.15	14.9	0.59	75.4	2.97	40.0	1.57
Single Sided	POM-DI G												
Double Sided	POM-EC K												

G		H		I		J		K		L		M		N		O	
mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in
12.0	0.47	10.0	0.39	197.1	7.76	90.3	3.56	40.0	1.57	54.5	2.15	98.9	3.89	20.0	0.79	45.2	1.78

All uni-chains belt systems are available in a raised rib version that can be supplied with matching finger plates, also called combs. The finger plates are supplied with cover caps which can be attached when the finger plate has been installed. The cover caps can be removed by using a screwdriver that can be inserted between the cover and finger plate. In order to adjust to belt width variations caused by temperature fluctuations, a slider facilitates the sideways movement of the finger plates.

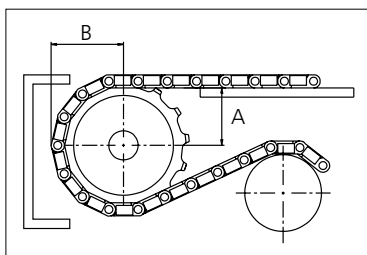
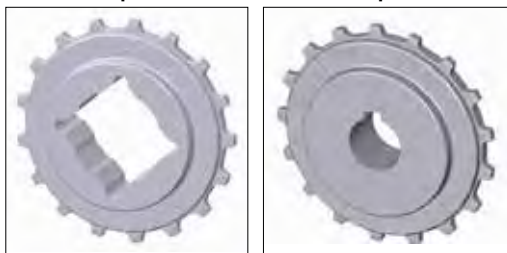
Non Standard material and color: See uni Material and Color Overview.

Sprocket

No of teeth	Bore size													Overall diameter		Pitch-diameter		Hub-diameter		A-dimension		B-dimension		Single row/Two way	Double row/Two way	Machined			
	Pilot bore	mm	in	0.75	0.78	0.98	1.00	1.18	1.25	1.50	1.57	2.36	2.50													3.54	mm	in	mm
														PA6	PA6 LG														
Z07	x			●	●										42.6	1.68	43.9	1.73	30.0	1.18	15.4	0.61	26.3	1.04	x		x		
Z10	x						●	●							61.7	2.43	61.6	2.43	45.0	1.77	25.0	0.98	35.2	1.39	x		x		
Z17	x					●	●	●	●	■	■				105.0	4.13	103.7	4.08	65.0	2.56	46.6	1.83	56.2	2.21	x		x		
Z24	x						●	●	●	■	■	●			147.2	5.80	146.0	5.75	70.0	2.76	68.0	2.68	77.3	3.04	x		x		
Z25	x							●	●	●	●	■	■		153.3	6.04	152.0	5.98	70.0	2.76	71.0	2.80	80.3	3.16	x		x		

■ Molded sprocket

● Molded sprocket



Other sprocket sizes are available upon request.

Two-part sprocket are available upon request.

Round bores are always delivered with keyway.

Other bore sizes are available upon request.

uni Retainer Rings: See uni Retainer Ring data sheet

Width of tooth = 4.8 mm (0.19 in)

Width of sprocket = 25.0 mm (0.98 in)

Max load per sprocket shown does not take bore size into account.

Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni Light.

For more detailed sprocket information, contact Customer Service.

Non standard material and color: See uni Material and Color Overview.



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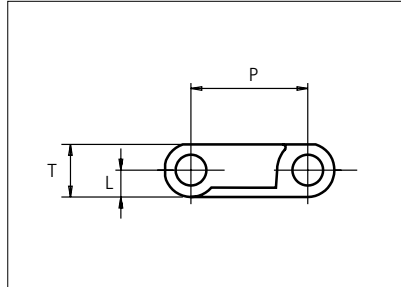
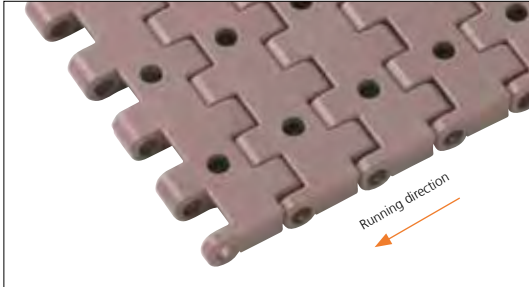
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Plastic Modular Belt

Series **uni Light** Type **Vacuum**



Straight running belt
 Nominal pitch: 19.1 mm (0.75 in)
 Surface type: Flat
 Surface opening: Closed
 Backflex radius: 25.0 mm (1.0 in)
 Pin diameter: ø3.9 mm (0.15 in)

Recommended Belt material & color	POM-LF BR	mm	in	mm	in		
		P (Nominal)	19.1	0.75	T	8.5	0.33
Recommended Pin material & color	PA6.6 N	L	4.3	0.17	-	-	-

Non standard material and color: See uni Material and Color Overview.

Alternative pin and lock materials: Pin: PE **W** PP **W** PA6.6 **N** **B** PBT **LG** SS304 PP **W** Lockpin: PBT **LG** PA6.6 **D** **N** PP **W** **B**

Belt width		Permissible tensile force (Belt/pin material)						Belt weight (Belt/pin material)						*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-LF/PA6.6		PP/PA6.6		PA6/PBT-GR		POM-LF/PA6.6		PP/PA6.6		PA6/PBT-GR			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft	kg/m	lb/ft			
77	3.0	789	177	395	89	789	177	0.5	0.35	0.4	0.25	0.4	0.29	2	2	2
153	6.0	1572	353	786	177	1572	353	1.0	0.70	0.7	0.49	0.9	0.58	2	2	2
230	9.0	2355	529	1177	265	2355	529	1.6	1.05	1.1	0.74	1.3	0.86	2	2	2
306	12.1	3138	705	1569	353	3138	705	2.1	1.40	1.5	0.99	1.7	1.15	3	3	2
383	15.1	3921	881	1960	441	3921	881	2.6	1.75	1.8	1.23	2.1	1.44	3	3	2
459	18.1	4704	1057	2352	529	4704	1057	3.1	2.10	2.2	1.48	2.6	1.73	4	4	2
535	21.1	5486	1233	2743	617	5486	1233	3.6	2.45	2.6	1.73	3.0	2.01	4	4	2
612	24.1	6269	1409	3135	705	6269	1409	4.2	2.80	2.9	1.97	3.4	2.30	5	5	3
688	27.1	7052	1585	3526	793	7052	1585	4.7	3.14	3.3	2.22	3.9	2.59	5	5	3
764	30.1	7835	1761	3918	881	7835	1761	5.2	3.49	3.7	2.47	4.3	2.88	6	6	3
841	33.1	8618	1937	4309	969	8618	1937	5.7	3.84	4.0	2.71	4.7	3.16	6	6	3
917	36.1	9401	2113	4700	1057	9401	2113	6.2	4.19	4.4	2.96	5.1	3.45	7	7	4
994	39.1	10184	2289	5092	1145	10184	2289	6.8	4.54	4.8	3.20	5.6	3.74	7	7	4

Additional standard belt widths are available in steps of 76.4 mm (3.01 in.) Additional non-standard belt widths are available in steps of 19.1 mm (0.75 in.)

1910	75.2	19578	4401	9789	2201	19578	4401	13.0	8.73	9.2	6.16	10.7	7.19	13	13	7
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Additional standard belt widths are available in steps of 76.4 mm (3.01 in.) Additional non-standard belt widths are available in steps of 19.1 mm (0.75 in.)

2980	117.3	30545	6867	15273	3433	30545	6867	20.3	13.62	14.3	9.61	16.7	11.22	20	20	10
------	-------	-------	------	-------	------	-------	------	------	-------	------	------	------	-------	----	----	----

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.

*Max. Load per Drive Sprocket. Belt material: POM-LF 1250 N (281 lbf), PP 700 N (157 lbf), PA6 1250 N (281 lbf)

**Max. Spacing between wear strips, Carry: 152 mm (6 in.); Return: 304 mm (12 in.)



NON STANDARD

STRAIGHT RUNNING

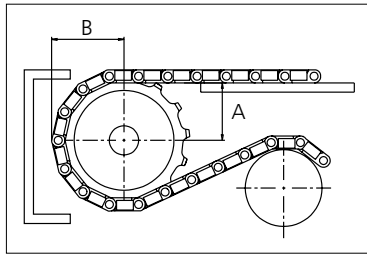
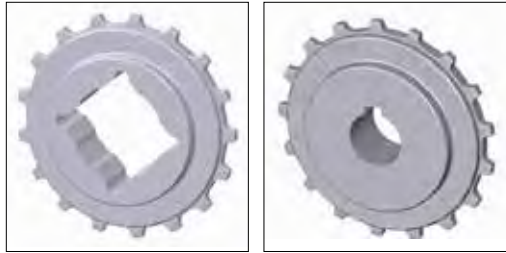
PITCH 19.1 MM/0.75 IN

Sprocket

No of teeth	Bore size													Overall diameter		Pitch-diameter		Hub-diameter		A-dimension		B-dimension		Single row/Two way	Double row/Two way	Molded PA6 LG	Machined PA6 N
	Pilot bore	in	0.75	0.78	0.98	1.00	1.18	1.25	1.50	1.57	2.36	2.50	3.54														
	mm	19.1	20.0	25.0	25.4	30.0	31.8	38.1	40.0	60.0	63.5	90.0	mm	in	mm	in	mm	in	mm	in							
Z07	x	●	●									42.6	1.68	43.9	1.73	30.0	1.18	15.4	0.61	26.3	1.04	x		x			
Z10	x				●	●						61.7	2.43	61.6	2.43	45.0	1.77	25.0	0.98	35.2	1.39	x		x			
Z17	x			●	●	●	●	■	■			105.0	4.13	103.7	4.08	65.0	2.56	46.6	1.83	56.2	2.21	x		x			
Z24	x				●	●	●	■	■	●		147.2	5.80	146.0	5.75	70.0	2.76	68.0	2.68	77.3	3.04	x		x			
Z25	x					●	●	●	●	■	■	153.3	6.04	152.0	5.98	70.0	2.76	71.0	2.80	80.3	3.16	x		x			

■ Molded sprocket

● Molded sprocket



Other sprocket sizes are available upon request.
 Two-part sprocket are available upon request.
 Round bores are always delivered with keyway.
 Other bore sizes are available upon request.
 uni Retainer Rings: See uni Retainer Ring data sheet
 Width of tooth = 4.8 mm (0.19 in)
 Width of sprocket = 25.0 mm (0.98 in)

Max load per sprocket shown does not take bore size into account.
 Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni Light.
 For more detailed sprocket information, contact Customer Service.

Non standard material and color: See uni Material and Color Overview.



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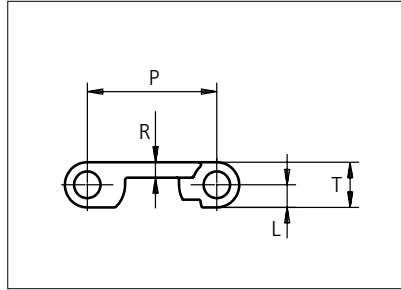
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Plastic Modular Belt

Series **uni CNB** Type **C**



Straight running belt
 Nominal pitch: 25.4 mm (1.00 in)
 Surface type: Flat
 Surface opening: Closed
 Backflex radius: 40.0 mm (1.60 in)
 Pin diameter: \varnothing 5.0 mm (0.20 in)

Belt material & color	POM-D W	PP W	PP B	PE N	mm	in	T	mm	in
Pin material & color	Pin: W		Pin: B		Pin: N		R	mm	in
					R	3.0			

Non standard material and color: See uni Material and Color Overview.

Alternative pin and lock materials: Pin: PE **W** PA6.6 **B** PBT **LG** SS304 Lockpin: PBT **LG** PA6.6 **N** PP **W** **B** PE **N**

Belt width		Permissible tensile force (Belt/pin material)						Belt weight (Belt/pin material)						*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-D/PP		PP/PP		PE/PE		POM-D/PP		PP/PP		PE/PE			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft	kg/m	lb/ft			
77	3.0	1040	234	539	121	477	107	0.4	0.30	0.3	0.20	0.3	0.21	2	2	2
153	6.0	2065	464	1071	241	949	213	0.9	0.60	0.6	0.40	0.6	0.41	2	2	2
229	9.0	3091	695	1603	360	1420	319	1.3	0.89	0.9	0.60	0.9	0.62	2	2	2
305	12.0	4117	926	2135	480	1891	425	1.8	1.19	1.2	0.80	1.2	0.82	3	3	2
381	15.0	5143	1156	2667	600	2362	531	2.2	1.49	1.5	1.00	1.5	1.02	3	3	2
457	18.0	6169	1387	3199	719	2833	637	2.7	1.78	1.8	1.20	1.8	1.23	4	4	2
533	21.0	7195	1617	3731	839	3304	743	3.1	2.08	2.1	1.40	2.1	1.43	4	4	2
609	24.0	8221	1848	4263	958	3776	849	3.5	2.37	2.4	1.60	2.4	1.64	5	5	3
685	27.0	9247	2079	4795	1078	4247	955	4.0	2.67	2.7	1.80	2.7	1.84	5	5	3
761	30.0	10273	2309	5327	1197	4718	1061	4.4	2.97	3.0	1.99	3.0	2.05	6	6	3
837	33.0	11299	2540	5859	1317	5189	1167	4.9	3.26	3.3	2.19	3.3	2.25	6	6	3
913	35.9	12325	2771	6391	1437	5660	1272	5.3	3.56	3.6	2.39	3.7	2.45	7	7	4
989	38.9	13351	3001	6923	1556	6132	1378	5.7	3.85	3.9	2.59	4.0	2.66	7	7	4

Additional standard belt widths are available in steps of 76.0 mm (2.99 in.) Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in.)

1977	77.8	26690	6000	13839	3111	12257	2755	11.5	7.71	7.7	5.18	7.9	5.31	14	14	7
------	------	-------	------	-------	------	-------	------	------	------	-----	------	-----	------	----	----	---

Additional standard belt widths are available in steps of 76.0 mm (2.99 in.) Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in.)

2965	116.7	40028	8998	20755	4666	18383	4132	17.2	11.56	11.6	7.77	11.9	7.97	20	20	10
------	-------	-------	------	-------	------	-------	------	------	-------	------	------	------	------	----	----	----

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.

*Max. Load per Drive Sprocket. Belt material: POM-D 600 N (135 lbf).PP 500 N (112 lbf)

**Max. Spacing between wear strips. Carry: 152 mm (6 in.) ; Return: 304 mm (12 in.)



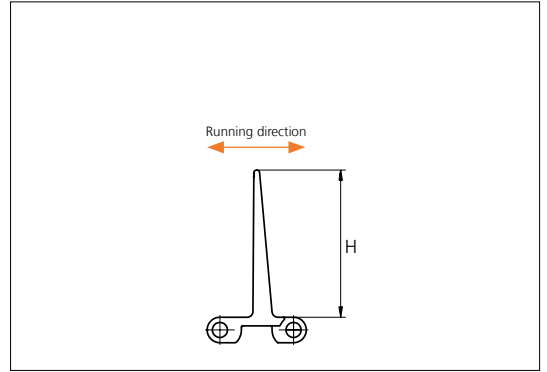
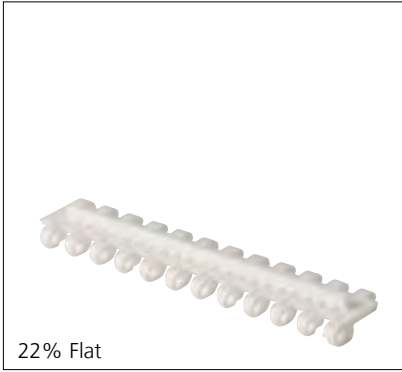
STANDARD

STRAIGHT RUNNING

PITCH 25.4 MM/1.00 IN

Accessories

Flight

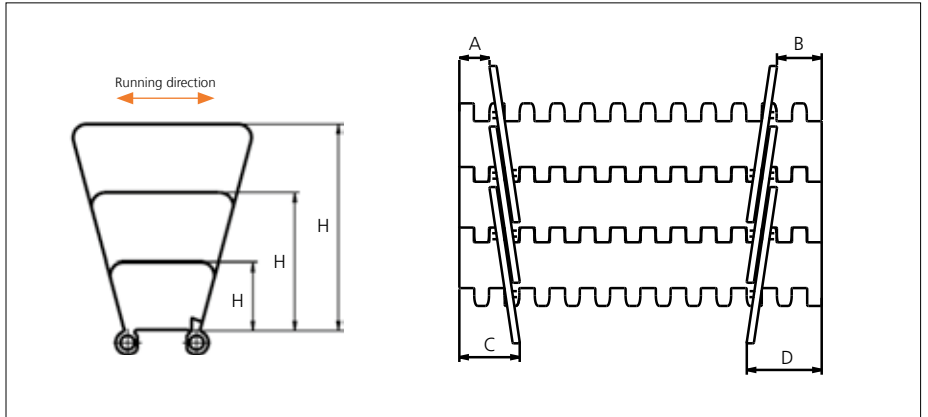


Type	Material & color	H		Link size	Width		Indent	
		mm	in		mm	in	mm	in
22% Flat	PE PP-I	5.0	0.20	K300	75.9	2.99	6.4	0.25
					K600	152.0		
Flat	POM-D PE PP-I PP-I	25.4	1.00	K600	152.0	5.98	0.0	0.00
		50.8	2.00					
		76.2	3.00					

Flat Flight: Flat on one side and with waves on the other side.
 Minimum bricklaid indent is 38.1 mm (1.50 in); 14.0 mm (0.55 in). Increment: 12.7 mm (0.50 in).
 Non Standard material and color: See uni Material and Color Overview.

Accessories

Side Guard



Type	Material & color	H		A (Min.)		B (Min.)		C (Min.)		D (Min.)	
		mm	in	mm	in	mm	in	mm	in	mm	in
Closed	PP-I	25.4	1.00	12.5	0.49	18.5	0.73	25.5	1.00	31.5	1.24
		50.8	2.00								
		76.2	3.00								

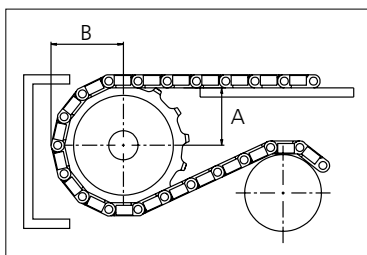
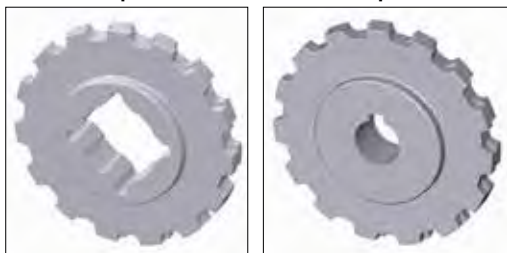
Minimum indent to outside of Side Guard: 14.0 mm (0.55 in). Increment 6.4 mm (0.25).
 Non Standard material and color: See uni Material and Color Overview.
 Backflex radius for Side Guard: 75.0 mm (2.95 in)

Sprocket

No of teeth	Bore size														Overall diameter		Pitch-diameter		Hub-diameter		A-dimension		B-dimension		Single row/Two way	Double row/Two way	Molded PA6 LG	Machined PA6 N
	Pilot bore	in		0.75		0.78		0.98		1.00		1.18		1.25														
	mm	19.1	20.0	25.0	25.4	30.0	31.8	38.1	40.0	60.0	63.5	90.0	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in		
Z10	x			●	●	●	●					80.0	3.15	82.2	3.24	65.0	2.56	34.7	1.37	45.5	1.79		x	x				
Z12	x				●	●	●					96.8	3.81	98.1	3.86	70.0	2.76	43.0	1.69	53.5	2.11		x	x				
Z15	x				●	●	●					121.5	4.78	122.2	4.81	70.0	2.76	55.3	2.18	65.5	2.58		x	x				
Z18	x					●	●	■	■			146.0	5.75	146.3	5.76	70.0	2.76	67.6	2.66	77.5	3.05		x	x				
Z19	x					●	●	■	■			154.2	6.07	154.3	6.07	70.0	2.76	71.7	2.82	81.6	3.21		x	x				

■ Molded sprocket

● Molded sprocket



Other sprocket sizes are available upon request.
 Two-part sprockets are available upon request.
 Round bores are always delivered with keyway.
 Other bore sizes are available upon request.
 uni Retainer Rings: See uni Retainer Ring data sheet.
 Width of tooth = 12.0 mm (0.47 in)
 Width of sprocket = 25.0 mm (0.98 in)

Max load per sprocket shown does not take bore size into account.
 Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni CNB.
 For more detailed sprocket information, contact Customer Service.

Non standard material and color: See uni Material and Color Overview.



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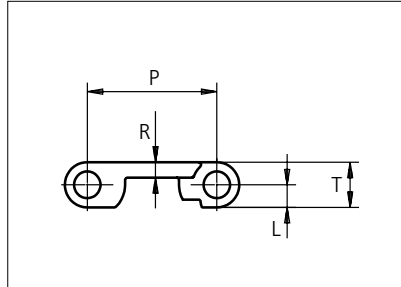
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Plastic Modular Belt

Series **uni CNB** Type **18%**



Straight running belt
 Nominal pitch: 25.4 mm (1.00 in)
 Surface type: Flat
 Surface opening: 18%
 Backflex radius: 40.0 mm (1.60 in)
 Pin diameter: \varnothing 5.0 mm (0.20 in)

STANDARD

Belt material & color	PP W	mm	in		mm	in
Pin material & color	PP W	P (Nominal)	25.4	1.00	T	8.8 0.35
		R	3.0	0.12	L	4.4 0.17

Non standard material and color: See uni Material and Color Overview.

Alternative pin and lock materials: Pin: PE **W** PA6.6 **B** PBT **LG** SS304 Lockpin: PBT **LG** PA6.6 **N** PP **W** **B** PE **N**

Belt width		Permissible tensile force (Belt/pin material)		Belt weight (Belt/pin material)		*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		PP/PP		PP/PP			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	kg/m	lb/ft			
77	3,0	539	121	0,3	0,18	2	2	2
153	6,0	1071	241	0,5	0,36	2	2	2
229	9,0	1603	360	0,8	0,54	2	2	2
305	12,0	2135	480	1,1	0,72	3	3	2
381	15,0	2667	600	1,3	0,90	3	3	2
457	18,0	3199	719	1,6	1,07	4	4	2
533	21,0	3731	839	1,9	1,25	4	4	2
609	24,0	4263	958	2,1	1,43	5	5	3
685	27,0	4795	1078	2,4	1,61	5	5	3
761	30,0	5327	1197	2,7	1,79	6	6	3
837	33,0	5859	1317	2,9	1,97	6	6	3
913	35,9	6391	1437	3,2	2,15	7	7	4
989	38,9	6923	1556	3,5	2,33	7	7	4

Additional standard belt widths are available in steps of 76.0 mm (2.99 in.) Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in.)

1977	77,8	13839	3111	6,9	4,65	14	14	7
------	------	-------	------	-----	------	----	----	---

Additional standard belt widths are available in steps of 76.0 mm (2.99 in.) Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in.)

2965	116,7	20755	4666	10,4	6,97	20	20	10
------	-------	-------	------	------	------	----	----	----

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.

*Max. Load per Drive Sprocket. Belt material: PP 500 N (112 lbf)

**Max. Spacing between wear strips, Carry: 152 mm (6 in.) ; Return: 304 mm (12 in.)

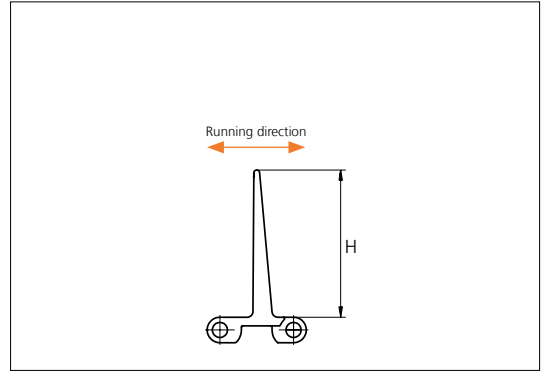
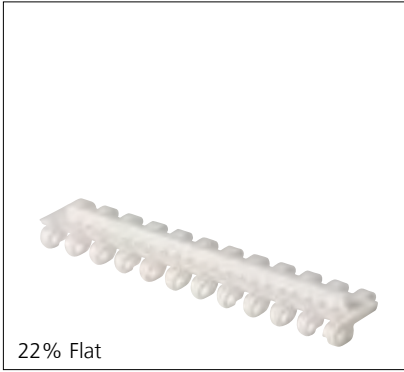
STRAIGHT RUNNING

PITCH 25.4 MM/1.00 IN



Accessories

Flight

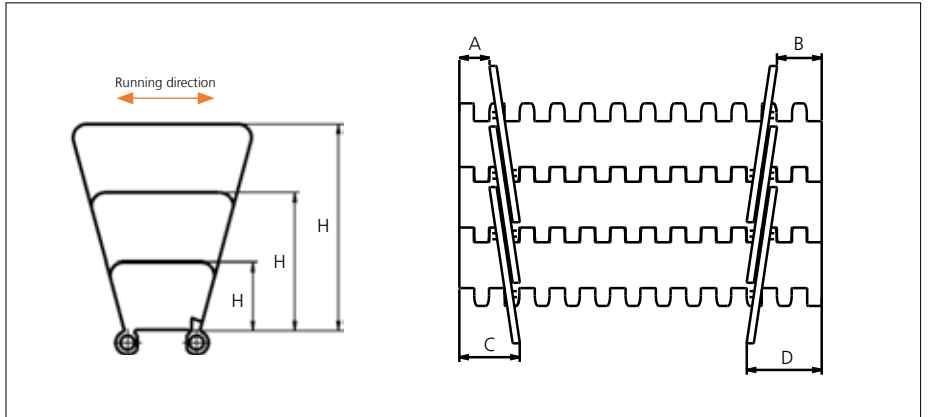


Type	Material & color	H		Link size	Width		Indent	
		mm	in		mm	in	mm	in
22% Flat	PE PP-I	5.0	0.20	K300	75.9	2.99	6.4	0.25
					152.0	5.98		
Flat	POM-D PE PP-I PP-I	25.4	1.00	K600	152.0	5.98	0.0	0.00
		50.8	2.00					
		76.2	3.00					

Flat Flight: Flat on one side and with waves on the other side.
 Minimum bricklaid indent is 38.1 mm (1.50 in); 14.0 mm (0.55 in). Increment: 12.7 mm (0.50 in).
 Non Standard material and color: See uni Material and Color Overview.

Accessories

Side Guard



Type	Material & color	H		A (Min.)		B (Min.)		C (Min.)		D (Min.)	
		mm	in	mm	in	mm	in	mm	in	mm	in
Closed	PP-I	25.4	1.00	12.5	0.49	18.5	0.73	25.5	1.00	31.5	1.24
		50.8	2.00								
		76.2	3.00								

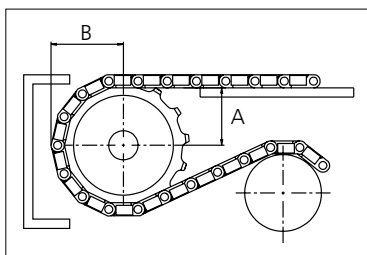
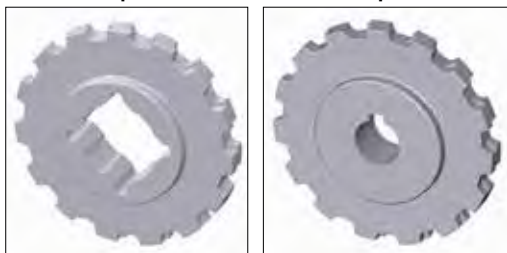
Minimum indent to outside of Side Guard: 14.0 mm (0.55 in). Increment 6.4 mm (0.25).
 Non Standard material and color: See uni Material and Color Overview.
 Backflex radius for Side Guard: 75.0 mm (2.95 in)

Sprocket

No of teeth	Bore size														Overall diameter		Pitch-diameter		Hub-diameter		A-dimension		B-dimension		Single row/Two way	Double row/Two way	Molded PA6 LG	Machined PA6 N
	Pilot bore	in		0.75		0.78		0.98		1.00		1.18		1.25														
	mm	19.1	20.0	25.0	25.4	30.0	31.8	38.1	40.0	60.0	63.5	90.0	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in		
Z10	x			●	●	●	●					80.0	3.15	82.2	3.24	65.0	2.56	34.7	1.37	45.5	1.79		x	x				
Z12	x				●	●	●					96.8	3.81	98.1	3.86	70.0	2.76	43.0	1.69	53.5	2.11		x	x				
Z15	x				●	●	●					121.5	4.78	122.2	4.81	70.0	2.76	55.3	2.18	65.5	2.58		x	x				
Z18	x					●	●	■	■			146.0	5.75	146.3	5.76	70.0	2.76	67.6	2.66	77.5	3.05		x	x				
Z19	x					●	●	■	■			154.2	6.07	154.3	6.07	70.0	2.76	71.7	2.82	81.6	3.21		x	x				

■ Molded sprocket

● Molded sprocket



Non standard material and color: See uni Material and Color Overview.

Other sprocket sizes are available upon request.

Two-part sprockets are available upon request.

Round bores are always delivered with keyway.

Other bore sizes are available upon request.

uni Retainer Rings: See uni Retainer Ring data sheet.

Width of tooth = 12.0 mm (0.47 in)

Width of sprocket = 25.0 mm (0.98 in)

Max load per sprocket shown does not take bore size into account. Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni CNB.

For more detailed sprocket information, contact Customer Service.



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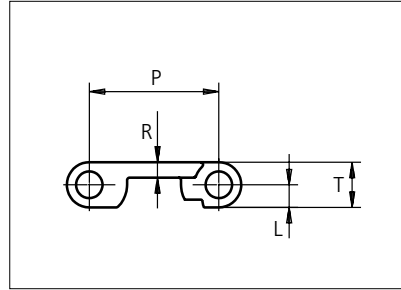
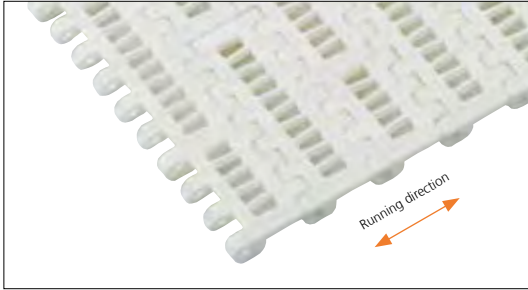
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Plastic Modular Belt

Series **uni CNB** Type **22%**



Straight running belt
 Nominal pitch: 25.4 mm (1.00 in)
 Surface type: Flat
 Surface opening: 22%
 Backflex radius: 40.0 mm (1.60 in)
 Pin diameter: \varnothing 5.0 mm (0.20 in)

Belt material & color	PP W	POM-D W	PE N	mm	in	mm	in		
Pin material & color	PP W	PE N		P (Nominal)	25.4	1.00	T	8.8	0.35
				R	3.0	0.12	L	4.4	0.17

Non standard material and color: See uni Material and Color Overview.

Alternative pin and lock materials: Pin: PE **W** PA6.6 **B** PBT **LG** SS304 Lockpin: PBT **LG** PA6.6 **N** PP **W** **B** PE **N**

Belt width		Permissible tensile force (Belt/pin material)						Belt weight (Belt/pin material)						*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-D/PA6.6		PP/PA6.6		PE/PA6.6		POM-D/PA6.6		PP/PA6.6		PE/PA6.6			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft	kg/m	lb/ft			
77	3,0	1040	234	539	121	477	107	0,4	0,25	0,3	0,18	0,3	0,18	2	2	2
153	6,0	2065	464	1071	241	949	213	0,7	0,49	0,5	0,35	0,5	0,36	2	2	2
229	9,0	3091	695	1603	360	1420	319	1,1	0,74	0,8	0,52	0,8	0,54	2	2	2
305	12,0	4117	926	2135	480	1891	425	1,5	0,98	1,0	0,70	1,1	0,72	3	3	2
381	15,0	5143	1156	2667	600	2362	531	1,8	1,23	1,3	0,87	1,3	0,90	3	3	2
457	18,0	6169	1387	3199	719	2833	637	2,2	1,47	1,6	1,04	1,6	1,07	4	4	2
533	21,0	7195	1617	3731	839	3304	743	2,6	1,72	1,8	1,22	1,9	1,25	4	4	2
609	24,0	8221	1848	4263	958	3776	849	2,9	1,96	2,1	1,39	2,1	1,43	5	5	3
685	27,0	9247	2079	4795	1078	4247	955	3,3	2,21	2,3	1,57	2,4	1,61	5	5	3
761	30,0	10273	2309	5327	1197	4718	1061	3,7	2,45	2,6	1,74	2,7	1,79	6	6	3
837	33,0	11299	2540	5859	1317	5189	1167	4,0	2,70	2,8	1,91	2,9	1,97	6	6	3
913	35,9	12325	2771	6391	1437	5660	1272	4,4	2,95	3,1	2,09	3,2	2,15	7	7	4
989	38,9	13351	3001	6923	1556	6132	1378	4,7	3,19	3,4	2,26	3,5	2,33	7	7	4

Additional standard belt widths are available in steps of 76.0 mm (2.99 in.) Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in.)

1977	77,8	26690	6000	13839	3111	12257	2755	9,5	6,38	6,7	4,52	6,9	4,65	14	14	7
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Additional standard belt widths are available in steps of 76.0 mm (2.99 in.) Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in.)

2965	116,7	40028	8998	20755	4666	18383	4132	14,2	9,56	10,1	6,77	10,4	6,97	20	20	10
------	-------	-------	------	-------	------	-------	------	------	------	------	------	------	------	----	----	----

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.

*Max. Load per Drive Sprocket. Belt material: POM-D 600 N (135 lbf), PP 500 N (112 lbf)

**Max. Spacing between wear strips, Carry: 152 mm (6 in.) ; Return: 304 mm (12 in.)



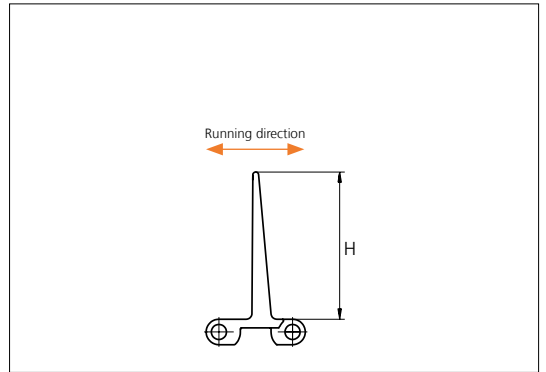
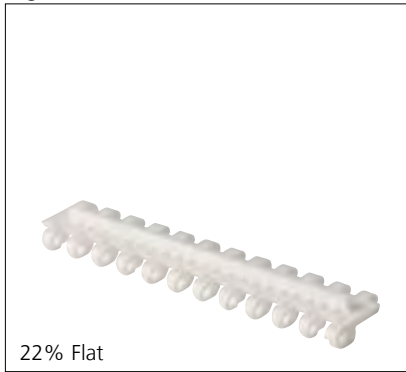
STANDARD

STRAIGHT RUNNING

PITCH 25.4 MM/1.00 IN

Accessories

Flight

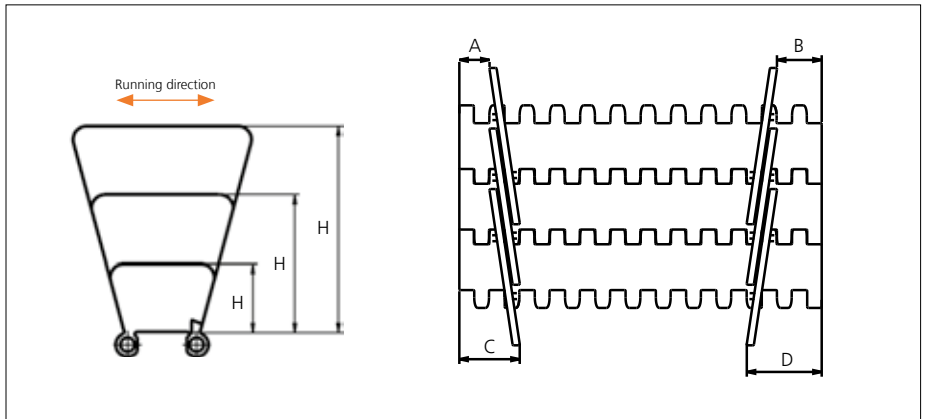


Type	Material & color	H		Link size	Width		Indent	
		mm	in		mm	in	mm	in
22% Flat	PE PP-I	5.0	0.20	K300	75.9	2.99	6.4	0.25
					152.0	5.98		
Flat	POM-D PE PP-I PP-I	25.4	1.00	K600	152.0	5.98	0.0	0.00
		50.8	2.00					
		76.2	3.00					

Flat Flight: Flat on one side and with waves on the other side.
 Minimum bricklaid indent is 38.1 mm (1.50 in); 14.0 mm (0.55 in). Increment: 12.7 mm (0.50 in).
 Non Standard material and color: See uni Material and Color Overview.

Accessories

Side Guard



Type	Material & color	H		A (Min.)		B (Min.)		C (Min.)		D (Min.)	
		mm	in	mm	in	mm	in	mm	in	mm	in
Closed	PP-I	25.4	1.00	12.5	0.49	18.5	0.73	25.5	1.00	31.5	1.24
		50.8	2.00								
		76.2	3.00								

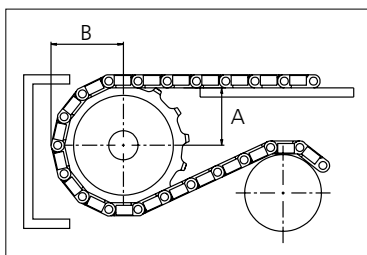
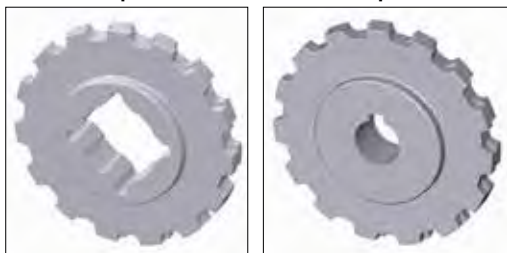
Minimum indent to outside of lane divider: 14.0 mm (0.55 in). Increment 6.4 mm (0.25).
 Non Standard material and color: See uni Material and Color Overview.
 Backflex radius for Side Guard: 75.0 mm (2.95 in)

Sprocket

No of teeth	Bore size														Overall diameter		Pitch-diameter		Hub-diameter		A-dimension		B-dimension		Single row/Two way	Double row/Two way	Molded PA6 LG	Machined PA6 N
	Pilot bore	in	0.75	0.78	0.98	1.00	1.18	1.25	1.50	1.57	2.36	2.50	3.54															
	mm	19.1	20.0	25.0	25.4	30.0	31.8	38.1	40.0	60.0	63.5	90.0	mm	in	mm	in	mm	in	mm	in								
Z10	x			●	●	●	●							80.0	3.15	82.2	3.24	65.0	2.56	34.7	1.37	45.5	1.79		x	x		
Z12	x				●	●	●							96.8	3.81	98.1	3.86	70.0	2.76	43.0	1.69	53.5	2.11		x	x		
Z15	x				●	●	●							121.5	4.78	122.2	4.81	70.0	2.76	55.3	2.18	65.5	2.58		x	x		
Z18	x					●	●	■	■	■	■			146.0	5.75	146.3	5.76	70.0	2.76	67.6	2.66	77.5	3.05		x	x		
Z19	x					●	●	■	■	■	■			154.2	6.07	154.3	6.07	70.0	2.76	71.7	2.82	81.6	3.21		x	x		

■ Molded sprocket

● Molded sprocket



Other sprocket sizes are available upon request.

Two-part sprocket are available upon request.

Round bores are always delivered with keyway.

Other bore sizes are available upon request.

uni Retainer Rings: See uni Retainer Ring data sheet

Width of tooth = 12.0 mm (0.47 in)

Width of sprocket = 25.0 mm (0.98 in)

Max load per sprocket shown does not take bore size into account. Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni CNB.

For more detailed sprocket information, contact Customer Service.

Non standard material and color: See uni Material and Color Overview.



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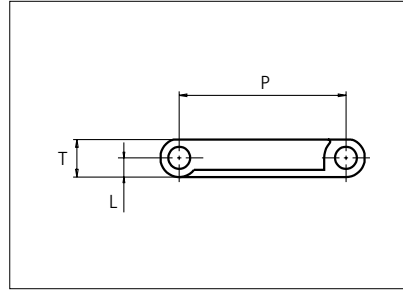
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Plastic Modular Belt

Serie **uni Light EP** Type **C**



Straight running belt
 Nominal pitch: 38.1 mm (1.50 in)
 Surface type: Flat
 Surface opening: Closed
 Backflex radius: 75.0 mm (3.0 in)
 Pin diameter: \varnothing 5.0 mm (0.20 in)

Recommended Belt material & color	POM-D W	mm	in		mm	in	
Recommended Pin and lock material & color	PP W	P (Nominal)	38.1	1.50	T	8.5	0.33
		L	4.3	0.17	-	-	-

Non standard material and color: See uni Material and Color Overview.

Alternative materials: Belt: PP and PE Pin: PP **W** PA6.6 **B** PE **W** PBT **LG** and SS304 **W** **B** **G** Lockpin: PBT **LG** PA6.6 **N** **D**

Belt width		Permissible tensile force (Belt/pin material)						Belt weight (Belt/pin material)						*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-D/PP		PP/PP		PE/PP		POM-D/PP		PP/PP		PE/PP			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft	kg/m	lb/ft			
64	2.5	653	147	326	73	196	44	0.4	0.24	0.2	0.16	0.3	0.17	2	2	2
83	3.3	848	191	424	95	255	57	0.5	0.32	0.3	0.21	0.3	0.22	2	2	2
102	4.0	1046	235	523	118	314	71	0.6	0.39	0.4	0.25	0.4	0.27	2	2	2
115	4.5	1175	264	587	132	352	79	0.7	0.44	0.4	0.28	0.5	0.31	2	2	2
153	6.0	1568	353	784	176	470	106	0.9	0.59	0.6	0.38	0.6	0.41	2	2	2
191	7.5	1958	440	979	220	587	132	1.1	0.73	0.7	0.47	0.8	0.51	2	2	2
204	8.0	2091	470	1046	235	627	141	1.2	0.78	0.8	0.51	0.8	0.55	2	2	2
255	10.0	2614	588	1307	294	784	176	1.5	0.98	0.9	0.63	1.0	0.69	2	2	2
306	12.0	3137	705	1568	353	941	212	1.7	1.17	1.1	0.76	1.2	0.82	3	3	2
357	14.1	3659	823	1830	411	1098	247	2.0	1.37	1.3	0.89	1.4	0.96	3	3	2
408	16.1	4182	940	2091	470	1255	282	2.3	1.56	1.5	1.01	1.6	1.10	3	3	2
459	18.1	4705	1058	2352	529	1411	317	2.6	1.76	1.7	1.14	1.8	1.23	4	4	2
510	20.1	5228	1175	2614	588	1568	353	2.9	1.95	1.9	1.27	2.0	1.37	4	4	2

Additional standard belt widths are available in steps of 50.9 mm (2.00 in.) Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in.)

1987	78.2	20367	4578	10183	2289	6110	1374	11.3	7.61	7.4	4.94	7.9	5.34	14	14	7
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Additional standard belt widths are available in steps of 50.9 mm (2.00 in.) Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in.)

2955	116.3	30289	6809	15144	3404	9087	2043	16.8	11.32	10.9	7.35	11.8	7.94	20	20	10
------	-------	-------	------	-------	------	------	------	------	-------	------	------	------	------	----	----	----

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.

*Max. Load per Drive Sprocket. Belt material: POM-D 1000 N (225 lbf). PP 600 N (135 lbf). PE 600 N (135 lbf)

**Max. Spacing between wear strips. Carry: 152 mm (6 in); Return: 304 mm (12 in)

= Single Link



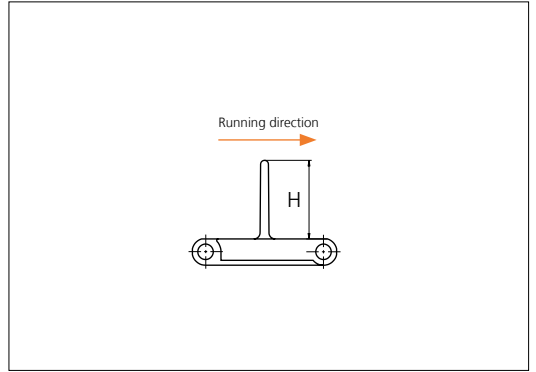
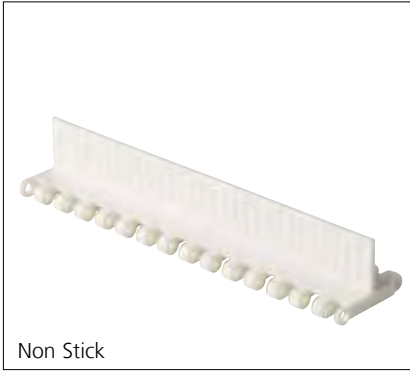
NON STANDARD

STRAIGHT RUNNING

PITCH 38.1 MM/1.50 IN

Accessories

Flight



Type	Recommended Material & color	H		Link size	Width		Indent left/right	
		mm	in		mm	in	mm	in
Non Stick	POM-D W	25.4	1.00	K750	191.0	7.52	0.0	0.00
		50.8	2.00				17.5	0.69
Flat/ Support Ribs	POM-D W	25.4	1.00	K400	101.6	4.00	0.0	0.00
				K600	152.8	6.02	0.0	0.00
		50.8	2.00	K400	101.6	4.00	0.0	0.00
				K600	152.8	6.02	0.0	0.00
76.2	3.00	K600	152.8	6.02	0.0	0.00		

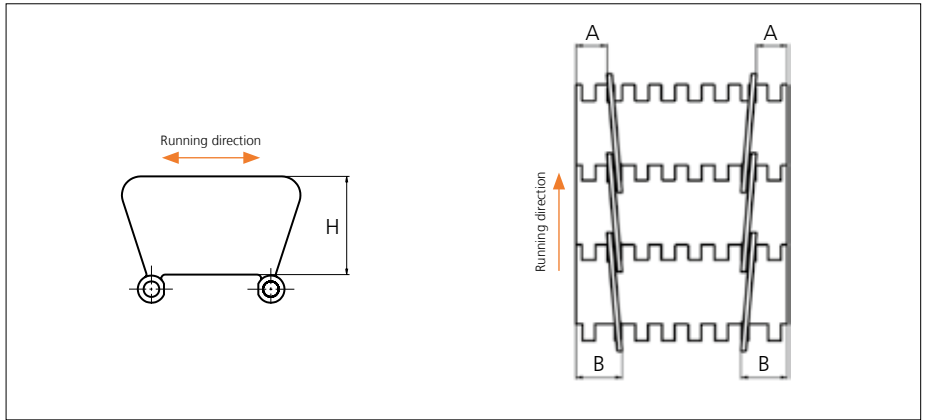
Minimum bricklaid indent for uni Light EP flights is 38.1 mm (1.50 in), increment: 12.7 mm (0.50 in).

Alternative materials: PP-I, PE

Non Standard material and color: See uni Material and Color Overview.

Accessories

Side Guard

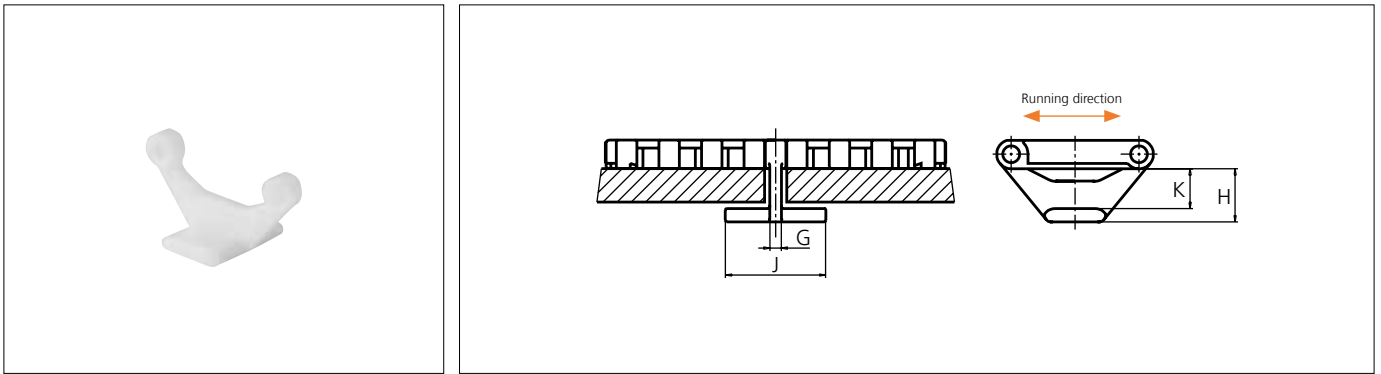


Type	Recommended Material & color	H		A		B	
		mm	in	mm	in	mm	in
Closed	POM-D W	31.7	1.25	15.0	0.59	23.0	0.91

Other Non Standard material and color: See uni Material and Color Overview.

Accessories

Tab

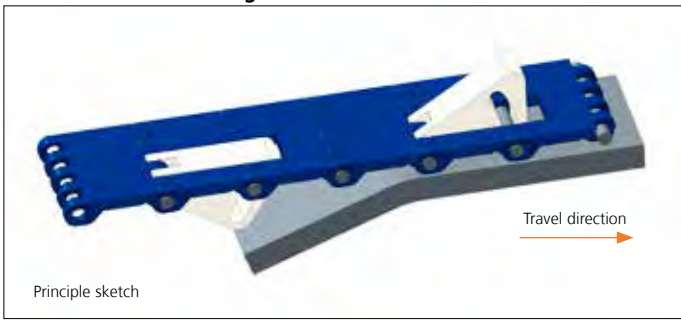


Type	Recommended Material & color	G		J		K		H	
		mm	in	mm	in	mm	in	mm	in
Bottom Hold Down	POM-D W	3.5	0.14	26.0	1.02	12.4	0.49	16.4	0.65

Other Non Standard material and color: See uni Material and Color Overview.

Accessories

Non Standard uni AmFlight



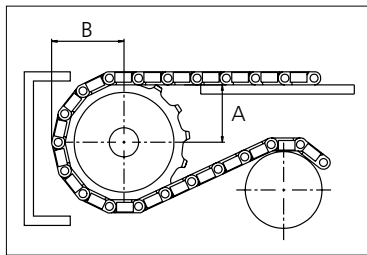
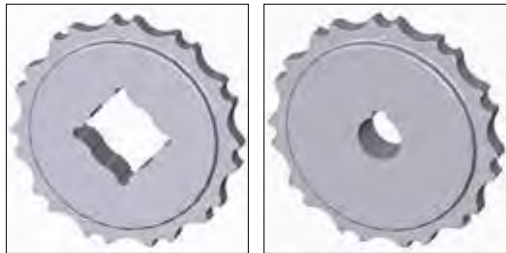
Other Non Standard option: See uni AmFlight Overview.

Sprocket

No of teeth	Bore size													Overall diameter		Pitch-diameter		Hub-diameter		A-dimension		B-dimension		Single row/Two way	Double row/Two way	Molded PA6 LG	Machined PA6 N
	Pilot bore																										
	mm	in	19.1	0.75	0.78	0.98	1.00	1.18	1.25	1.50	1.57	2.36	2.50	3.54	mm	in	mm	in	mm	in	mm	in					
Z07						●	●	●						87.8	3.46	86.0	3.39	65.0	2.56	35.2	1.39	48.3	1.90	x		x	
Z09						●	●	●	■	●				111.4	4.39	110.6	4.35	90.0	3.54	48.0	1.89	60.0	2.36	x		x	
Z10						●	●	●	■	■	●			123.3	4.85	122.7	4.83	100.0	3.94	54.3	2.14	66.0	2.60	x		x	
Z11						●	●	●	■	■	■	●		135.2	5.32	135.0	5.31	110.0	4.33	60.5	2.38	72.0	2.83	x		x	
Z12							●	●	●	●	●	●		147.2	5.80	147.1	5.79	120.0	4.72	66.7	2.63	78.0	3.07	x		x	
Z15							●	●	●	●	●	●		183.2	7.21	183.5	7.22	120.0	4.72	85.3	3.36	96.0	3.78	x		x	

■ Molded sprocket

● Molded sprocket



Other sprocket sizes are available upon request.
 Two-part sprocket are available upon request.
 Round bores are always delivered with keyway.
 Other bore sizes are available upon request
 uni Retainer Rings: See uni Retainer Ring data sheet
 Width of tooth = 11.8 mm (0.47 in)
 Width of sprocket = 23.2 mm (0.91 in)

Max load per sprocket shown does not take bore size into account.
 Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni Light EP.
 For more detailed sprocket information. contact Customer Service.

Non standard material and color: See uni Material and Color Overview.



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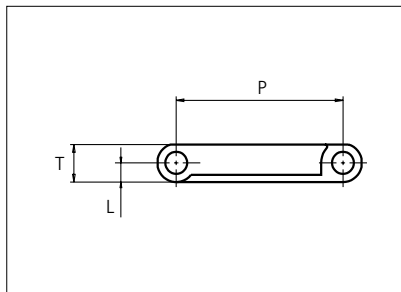
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Plastic Modular Belt

Serie **uni Light EP** Type **22% Fine-meshed**



Straight running belt
 Nominal pitch: 38.1 mm (1.50 in)
 Surface type: Flat
 Surface opening: 22%
 Backflex radius: 75.0 mm (3.0 in)
 Pin diameter: \varnothing 5.0 mm (0.20 in)

Belt material & color	PP-HW W	PP-HW B	mm		in			
	PP-HW W	PP-HW B	P (Nominal)	38.1	1.50	T	8.5	0.33
Pin and lock material & color	PP-HW W	PP-HW B	L	4.3	0.17	-	-	-
	PP-HW W	PP-HW B						

Non standard material and color: See uni Material and Color Overview.

Alternative pin and lock materials: Pin: PE **W** PP-HW **W** **B** SS304 Lockpin: PBT **LG** PA6.6 **N** **D**

Belt width		Permissible tensile force (Belt/pin material)		Belt weight (Belt/pin material)		*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		PP-HW		PP-HW			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	kg/m	lb/ft			
64	2.5	325	73	0.2	0.15	2	2	2
102	4.0	523	118	0.3	0.23	2	2	2
153	6.0	784	176	0.5	0.35	2	2	2
191	7.5	979	220	0.6	0.44	2	2	2
204	8.0	1046	235	0.7	0.47	2	2	2
255	10.0	1307	294	0.9	0.58	2	2	2
306	12.0	1568	353	1.0	0.70	3	3	2
357	14.1	1830	411	1.2	0.82	3	3	2
408	16.1	2091	470	1.4	0.93	3	3	2
459	18.1	2352	529	1.6	1.05	4	4	2
510	20.1	2614	588	1.7	1.17	4	4	2
561	22.1	2875	646	1.9	1.28	4	4	2
612	24.1	3137	705	2.1	1.40	5	5	3

Additional standard belt widths are available in steps of 50.9 mm (2.00 in.) Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in.)

1987	78.2	10183	2289	6.8	4.54	14	14	7
------	------	-------	------	-----	------	----	----	---

Additional standard belt widths are available in steps of 50.9 mm (2.00 in.) Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in.)

2955	116.3	15144	3404	10.0	6.75	20	20	10
------	-------	-------	------	------	------	----	----	----

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.

*Max. Load per Drive Sprocket. Belt material: PP-HW 600 N (135 lbf)

**Max. Spacing between wear strips. Carry: 152 mm (6 in.); Return: 304 mm (12 in.)

= Single Link



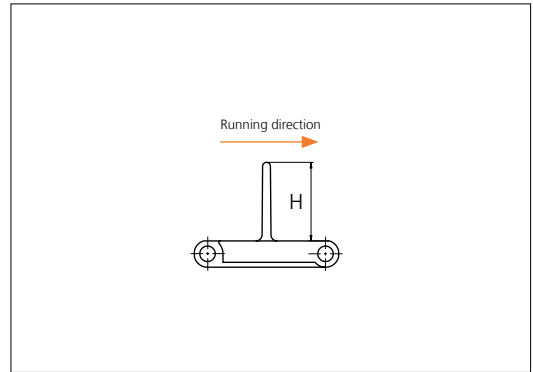
STANDARD

STRAIGHT RUNNING

PITCH 38.1 MM/1.50 IN

Accessories

Flight/NON STANDARD



Type	Recommended Material & color	H		Link size	Width		Indent left/right	
		mm	in		mm	in	mm	in
Non Stick	POM-D W	25.4	1.00	K750	191.0	7.52	0.0	0.00
		50.8	2.00				17.5	0.69
Flat/ Support Rib	POM-D W	25.4	1.00	K400	101.6	4.00	0.0	0.00
				K600	152.8	6.02	0.0	0.00
		50.8	2.00	K400	101.6	4.00	0.0	0.00
				K600	152.8	6.02	0.0	0.00
76.2	3.00	K600	152.8	6.02	0.0	0.00		

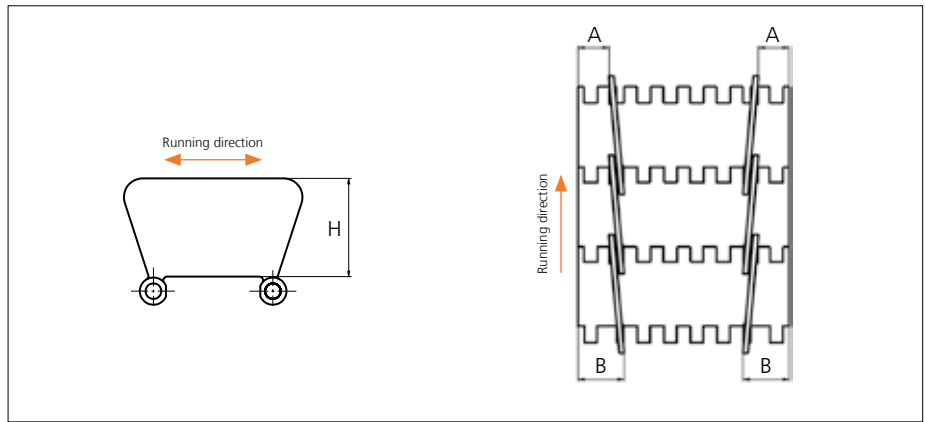
Minimum bricklaid indent for uni Light EP flights is 38.1 mm (1.50 in), increment: 12.7 mm (0.50 in).

Alternative materials: PP-I, PE

Non Standard material and color: See uni Material and Color Overview.

Accessories

Side Guard/NON STANDARD

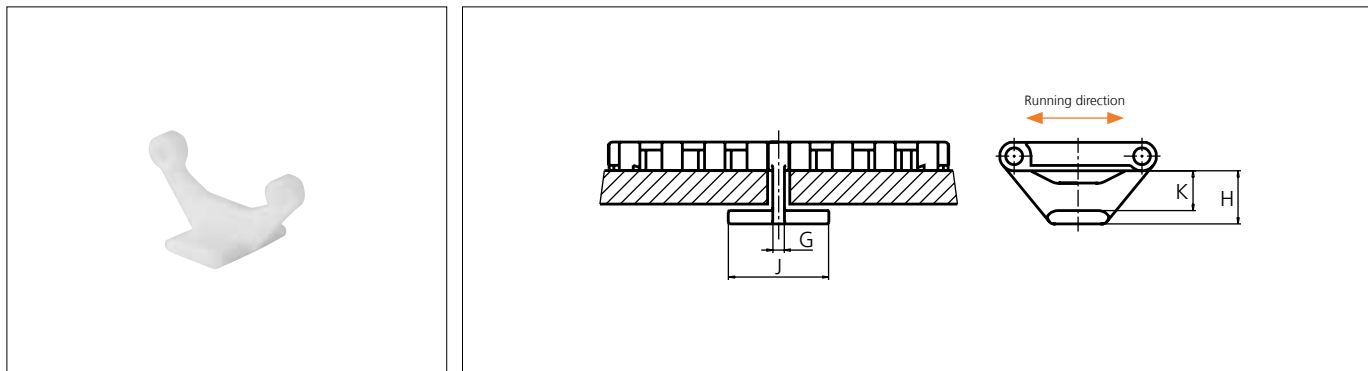


Type	Recommended Material & color	H		A		B	
		mm	in	mm	in	mm	in
Closed	POM-D W	31.7	1.25	15.0	0.59	23.0	0.91

Other Non Standard material and color: See uni Material and Color Overview.

Accessories

Tab/NON STANDARD



Type	Reccomeded Material & color	G		J		K		H	
		mm	in	mm	in	mm	in	mm	in
Bottom Hold Down	POM-D W	3.5	0.14	26.0	1.02	12.4	0.49	16.4	0.65

Other Non Standard material and color: See uni Material and Color Overview.

Accessories

Reinforcement Link



The use of uni-chains belts with the SS reinforcement /pitch control links in blanchers, cookers and other high temperature applications will reduce belt elongation due to temperature by more than 90%. This will simplify the belt take-up system and reduce maintenance. uni-chains recommends one reinforcement link per K600 module. Note: Reinforcement links require the use of SS pins.

Type	Material & color	N/row	Lbf/row
Steel Link	SS316	1000	225

Non Standard material and color: See uni Material and Color Overview.

Accessories

Non Standard uni AmFlight



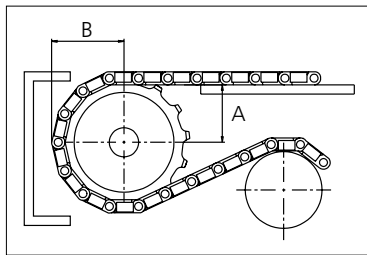
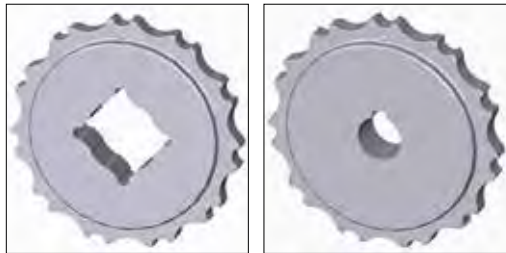
Other Non Standard option: See uni AmFlight Overview.

Sprocket

No of teeth	Bore size													Overall diameter		Pitch-diameter		Hub-diameter		A-dimension		B-dimension		Single row/Two way	Double row/Two way	Molded PA6 LG	Machined PA6 N
	Pilot bore	in	0.75	0.78	0.98	1.00	1.18	1.25	1.50	1.57	2.36	2.50	3.54														
	mm	19.1	20.0	25.0	25.4	30.0	31.8	38.1	40.0	60.0	63.5	90.0	mm	in	mm	in	mm	in	mm	in							
Z07					●	●	●					87.8	3.46	86.0	3.39	65.0	2.56	35.2	1.39	48.3	1.90	x		x			
Z09					●	●	●	■	●			111.4	4.39	110.6	4.35	90.0	3.54	48.0	1.89	60.0	2.36	x		x			
Z10					●	●	●	■	■	●		123.3	4.85	122.7	4.83	100.0	3.94	54.3	2.14	66.0	2.60	x		x			
Z11					●	●	●	■	■	■	●	135.2	5.32	135.0	5.31	110.0	4.33	60.5	2.38	72.0	2.83	x		x			
Z12						●	●	●	●	●	●	147.2	5.80	147.1	5.79	120.0	4.72	66.7	2.63	78.0	3.07	x		x			
Z15						●	●	●	●	●	■	183.2	7.21	183.5	7.22	120.0	4.72	85.3	3.36	96.0	3.78	x		x			

■ Molded sprocket

● Molded sprocket



Other sprocket sizes are available upon request.
 Two-part sprocket are available upon request.
 Round bores are always delivered with keyway.
 Other bore sizes are available upon request.
 uni Retainer Rings: See uni Retainer Ring data sheet
 Width of tooth = 11.8 mm (0.47 in)
 Width of sprocket = 23.2 mm (0.91 in)

Max load per sprocket shown does not take bore size into account.
 Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni Light EP.
 For more detailed sprocket information. contact Customer Service.

Non standard material and color: See uni Material and Color Overview.

uni Light EP 22%/1309



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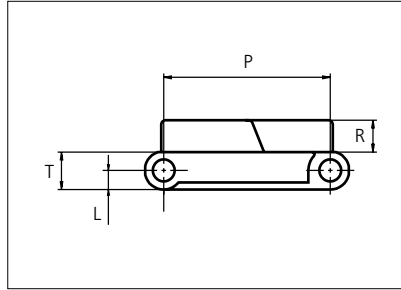
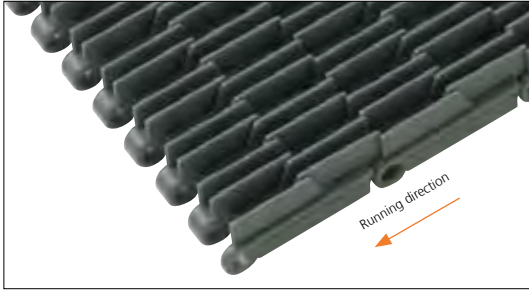
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Plastic Modular Belt

Serie **uni Light EP** Type **Rib**



Straight running belt
 Nominal pitch: 38.1 mm (1.50 in)
 Surface type: Rib Top
 Surface opening: Closed
 Backflex radius: 150.0 mm (5.9 in)
 Pin diameter: \varnothing 5.0 mm (0.20 in)

Recommended Belt material & color	POM-LF G		mm	in		mm	in
Recommended Pin and lock material & color	PP W PP W		P (Nominal)	38.1	1.50	T	8.5 0.33
			L	4.3	0.17	R	7.3 0.29

Non standard material and color: See uni Material and Color Overview.

Alternative materials: Belt: POM-LF and PE Pin: PP **W** PA6.6 **B** PE **W** PBT **LG** and SS304 PP **W** **B** **G** PP **W**

Belt width		Permissible tensile force (Belt/pin material)						Belt weight (Belt/pin material)						*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-D/PA6.6		PP/PA6.6		PE/PA6.6		POM-D/PA6.6		PP/PA6.6		PE/PA6.6			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft	kg/m	lb/ft			
102	4.0	1046	235	523	118	314	71	0.7	0.49	0.5	0.32	0.5	0.34	2	2	2
153	6.0	1568	353	784	176	470	106	1.1	0.73	0.7	0.47	0.8	0.51	2	2	2
204	8.0	2091	470	1046	235	627	141	1.4	0.97	0.9	0.63	1.0	0.69	2	2	2
255	10.0	2614	588	1307	294	784	176	1.8	1.22	1.2	0.79	1.3	0.86	2	2	2
306	12.0	3137	705	1568	353	941	212	2.2	1.46	1.4	0.95	1.5	1.03	3	3	2
357	14.1	3659	823	1830	411	1098	247	2.5	1.70	1.6	1.10	1.8	1.20	3	3	2
408	16.1	4182	940	2091	470	1255	282	2.9	1.95	1.9	1.26	2.0	1.37	3	3	2
459	18.1	4705	1058	2352	529	1411	317	3.3	2.19	2.1	1.42	2.3	1.54	4	4	2
510	20.1	5228	1175	2614	588	1568	353	3.6	2.43	2.3	1.58	2.6	1.71	4	4	2
561	22.1	5750	1293	2875	646	1725	388	4.0	2.68	2.6	1.73	2.8	1.89	4	4	2
612	24.1	6273	1410	3137	705	1882	423	4.3	2.92	2.8	1.89	3.1	2.06	5	5	3
663	26.1	6796	1528	3398	764	2039	458	4.7	3.16	3.0	2.05	3.3	2.23	5	5	3
714	28.1	7319	1645	3659	823	2196	494	5.1	3.41	3.3	2.21	3.6	2.40	5	5	3

Additional standard belt widths are available in steps of 50.9 mm (2.00 in.) Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in.)

1987	78.2	20367	4578	10183	2289	6110	1374	14.1	9.48	9.1	6.14	9.9	6.68	14	14	7
------	------	-------	------	-------	------	------	------	------	------	-----	------	-----	------	----	----	---

Additional standard belt widths are available in steps of 50.9 mm (2.00 in.) Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in.)

2955	116.3	30289	6809	15144	3404	9087	2043	21.0	14.10	13.6	9.14	14.8	9.93	20	20	10
------	-------	-------	------	-------	------	------	------	------	-------	------	------	------	------	----	----	----

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.

*Max. Load per Drive Sprocket. Belt material: POM-D 1000 N (225 lbf), PP 600 N (135 lbf), PE 600 N (135 lbf)

**Max. Spacing between wear strips, Carry: 152 mm (6 in.); Return: 304 mm (12 in.)



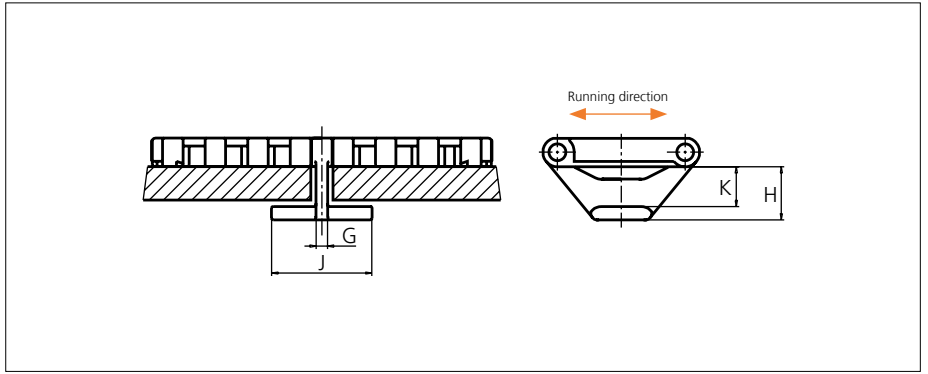
NON STANDARD

STRAIGHT RUNNING

PITCH 38.1 MM/1.50 IN

Accessories

Tab

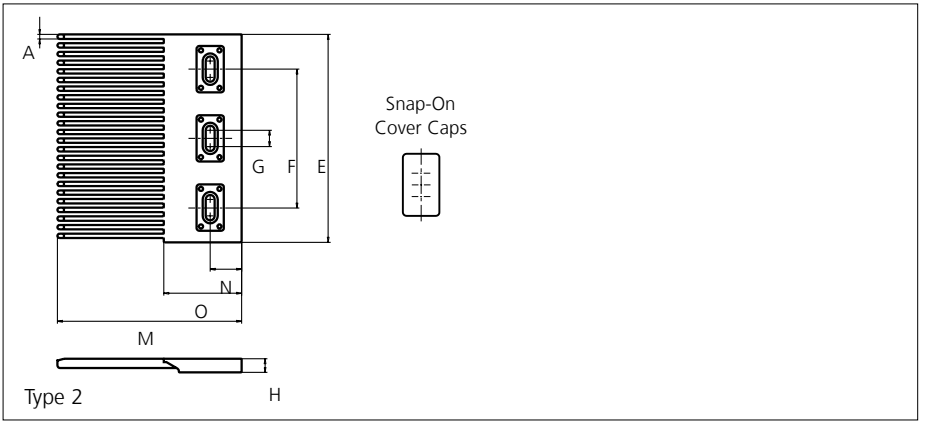
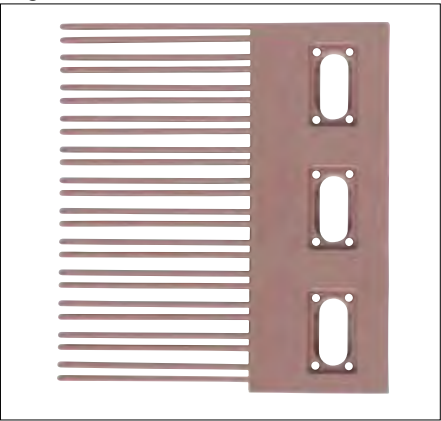


Type	Recommended Material & color	G		J		K		H	
		mm	in	mm	in	mm	in	mm	in
Bottom Hold Down	POM-D W	3.5	0.14	26.0	1.02	12.4	0.49	16.4	0.65

Other Non Standard material and color: See uni Material and Color Overview.

Accessories

Finger Plates



Type	Recommended Material & color	A		E		F		G		H		M		N		O	
		mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in
Single Sided	POM-LF BR	3.3	0.13	152.4	6.00	101.6	4.00	12.0	0.47	10.3	0.41	135.0	5.31	23.0	0.91	57.0	2.24

All uni-chains belt systems are available in a raised rib version that can be supplied with matching finger plates, also called combs.

The finger plates are supplied with cover caps which can be attached when the finger plate has been installed. The cover caps can be removed by using a screwdriver that can be inserted between the cover and finger plate.

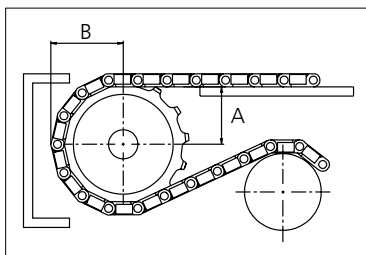
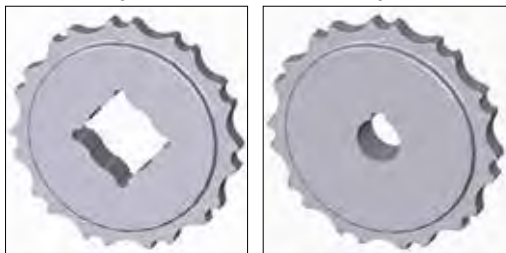
Non Standard material and color: See uni Material and Color Overview.

Sprocket

No of teeth	Bore size													Overall diameter		Pitch diameter		Hub diameter		A-dimension		B-dimension		Single row/Two way	Double row/Two way	Molded PA6 LG	Machined PA6 N
	Pilot bore	mm																									
	in	0.75	0.78	0.98	1.00	1.18	1.25	1.50	1.57	2.36	2.50	3.54	mm	in													
Z07					●	●	●						87.8	3.46	86.0	3.39	65.0	2.56	35.2	1.39	48.3	1.90	x		x		
Z09					●	●	●	■	●				111.4	4.39	110.6	4.35	90.0	3.54	48.0	1.89	60.0	2.36	x		x		
Z10					●	●	●	■	■	●			123.3	4.85	122.7	4.83	100.0	3.94	54.3	2.14	66.0	2.60	x		x		
Z11					●	●	●	■	■	■	●		135.2	5.32	135.0	5.31	110.0	4.33	60.5	2.38	72.0	2.83	x		x		
Z12					●	●	●	■	■	■	■	●	147.2	5.80	147.1	5.79	120.0	4.72	66.7	2.63	78.0	3.07	x		x		
Z15					●	●	●	■	■	■	■	■	183.2	7.21	183.5	7.22	120.0	4.72	85.3	3.36	96.0	3.78	x		x		

■ Molded sprocket

● Molded sprocket



Other sprocket sizes are available upon request.

Two-part sprocket are available upon request.

Round bores are always delivered with keyway.

Other bore sizes are available upon request.

uni Retainer Rings: See uni Retainer Ring data sheet

Width of tooth = 11.8 mm (0.47 in)

Width of sprocket = 23.2 mm (0.91 in)

Max load per sprocket shown does not take bore size into account.

Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni Light EP.

For more detailed sprocket information, contact Customer Service.

Non standard material and color: See uni Material and Color Overview.



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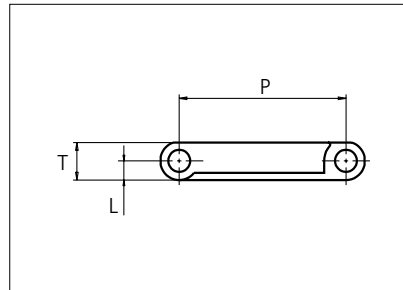
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Plastic Modular Belt

Serie **uni Light EP** Type **8.5%**



Straight running belt
 Nominal pitch: 38.1 mm (1.50 in)
 Surface type: Flat
 Surface opening: 8.5%
 Backflex radius: 75.0 mm (3.0 in)
 Pin diameter: \varnothing 5.0 mm (0.20 in)

Recommended Belt material & color	POM-D W	mm	in		mm	in	
Recommended Pin and lock material & color	PP W PP W	P (Nominal)	38.1	1.50	T	8.5	0.33
		L	4.3	0.17	-	-	-

Non standard material and color: See uni Material and Color Overview.

Alternative materials: Belt: POM-LF and PE Pin: PP **W** PA6.6 **B** PE **W** PBT **LG** and SS304 PP **W** **B** **G** PP **W**

Belt width		Permissible tensile force (Belt/pin material)						Belt weight (Belt/pin material)						*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-D/PA6.6		PP/PA6.6		PE/PA6.6		POM-D/PA6.6		PP/PA6.6		PE/PA6.6			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft	kg/m	lb/ft			
102	4.0	1046	235	523	118	314	71	0.6	0.39	0.4	0.25	0.4	0.27	2	2	2
153	6.0	1568	353	784	176	470	106	0.9	0.59	0.6	0.38	0.6	0.41	2	2	2
204	8.0	2091	470	1046	235	627	141	1.2	0.78	0.8	0.51	0.8	0.55	2	2	2
255	10.0	2614	588	1307	294	784	176	1.5	0.98	0.9	0.63	1.0	0.69	2	2	2
306	12.0	3137	705	1568	353	941	212	1.7	1.17	1.1	0.76	1.2	0.82	3	3	2
357	14.1	3659	823	1830	411	1098	247	2.0	1.37	1.3	0.89	1.4	0.96	3	3	2
408	16.1	4182	940	2091	470	1255	282	2.3	1.56	1.5	1.01	1.6	1.10	3	3	2
459	18.1	4705	1058	2352	529	1411	317	2.6	1.76	1.7	1.14	1.8	1.23	4	4	2
510	20.1	5228	1175	2614	588	1568	353	2.9	1.95	1.9	1.27	2.0	1.37	4	4	2
561	22.1	5750	1293	2875	646	1725	388	3.2	2.15	2.1	1.39	2.2	1.51	4	4	2
612	24.1	6273	1410	3137	705	1882	423	3.5	2.34	2.3	1.52	2.4	1.65	5	5	3
663	26.1	6796	1528	3398	764	2039	458	3.8	2.54	2.5	1.65	2.7	1.78	5	5	3
714	28.1	7319	1645	3659	823	2196	494	4.1	2.74	2.6	1.78	2.9	1.92	5	5	3

Additional standard belt widths are available in steps of 50.9 mm (2.00 in.) Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in.)

1987	78.2	20367	4578	10183	2289	6110	1374	11.3	7.61	7.4	4.94	7.9	5.34	14	14	7
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Additional standard belt widths are available in steps of 50.9 mm (2.00 in.) Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in.)

2955	116.3	30289	6809	15144	3404	9087	2043	16.8	11.32	10.9	7.35	11.8	7.94	20	20	10
------	-------	-------	------	-------	------	------	------	------	-------	------	------	------	------	----	----	----

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.

*Max. Load per Drive Sprocket. Belt material: POM-D 1000 N (225 lbf), PP 600 N (135 lbf), PE 600 N (135 lbf)

**Max. Spacing between wear strips, Carry: 152 mm (6 in.); Return: 304 mm (12 in.)



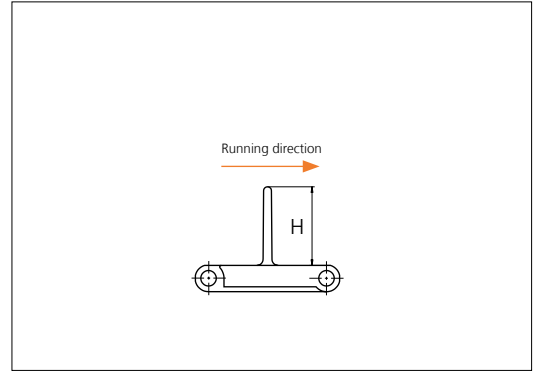
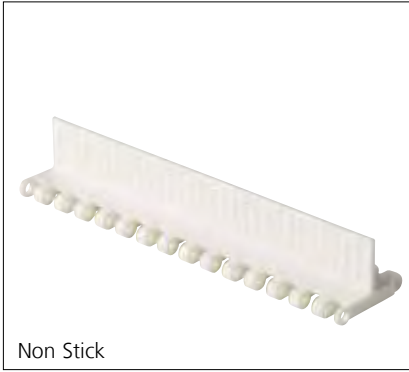
NON STANDARD

STRAIGHT RUNNING

PITCH 38.1 MM/1.50 IN

Accessories

Flight



Type	Recommended Material & color	H		Link size	Width		Indent left/right	
		mm	in		mm	in	mm	in
Non Stick	POM-D W	25.4	1.00	K750	191.0	7.52	0.0	0.00
		50.8	2.00				17.5	0.69
Flat/ Support ribs	POM-D W	25.4	1.00	K400	101.6	4.00	0.0	0.00
				K600	152.8	6.02	0.0	0.00
		50.8	2.00	K400	101.6	4.00	0.0	0.00
				K600	152.8	6.02	0.0	0.00
76.2	3.00	K600	152.8	6.02	0.0	0.00		

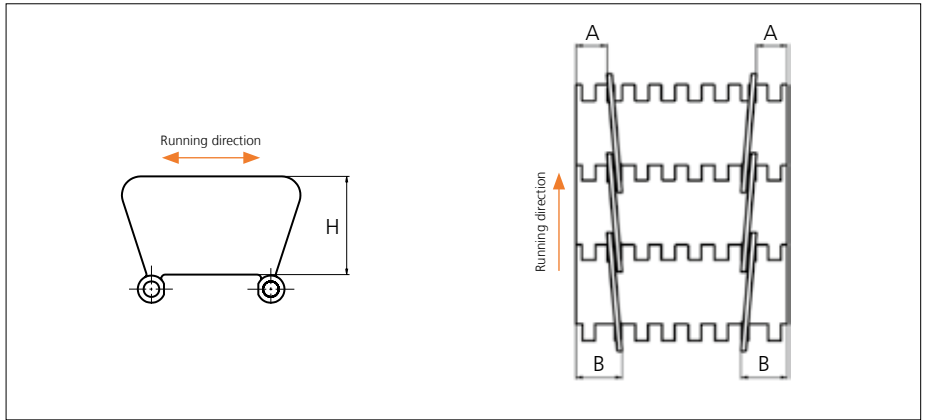
Minimum bricklaid indent for uni Light EP flights is 38.1 mm (1.50 in), increment: 12.7 mm (0.50 in).

Alternative materials: PP-I, PE

Non Standard material and color: See uni Material and Color Overview.

Accessories

Side Guard

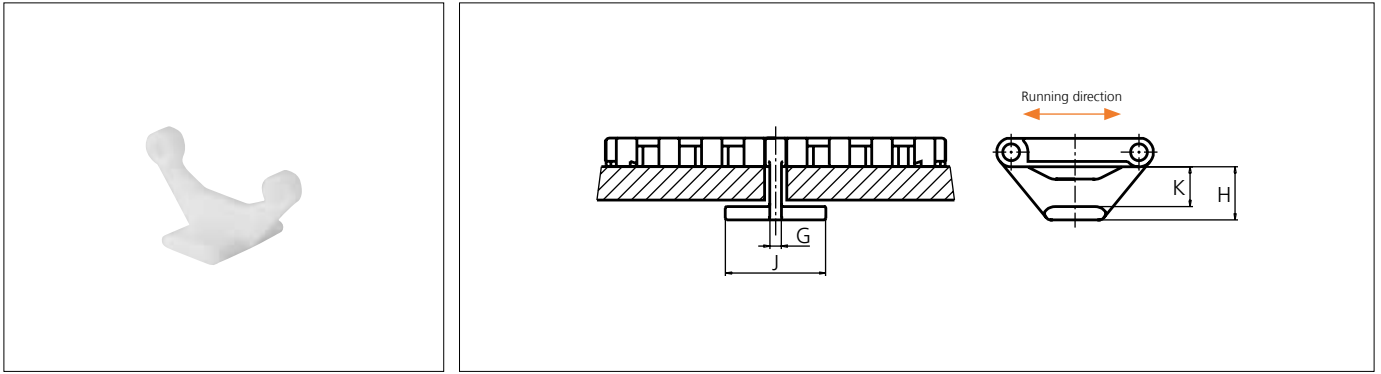


Type	Recommended Material & color	H		A		B	
		mm	in	mm	in	mm	in
Closed	POM-D W	31.7	1.25	15.0	0.59	23.0	0.91

Other Non Standard material and color: See uni Material and Color Overview.

Accessories

Tab

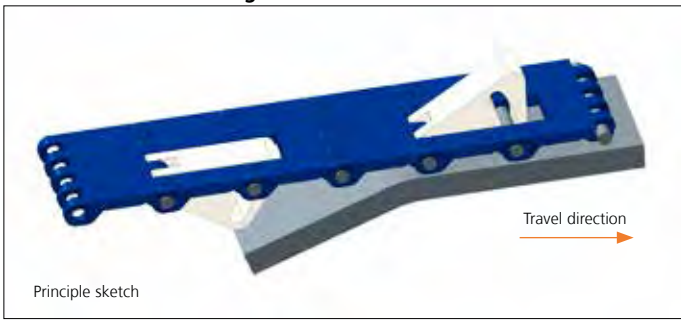


Type	Recommended Material & color	G		J		K		H	
		mm	in	mm	in	mm	in	mm	in
Bottom Hold Down	POM-D W	3.5	0.14	26.0	1.02	12.4	0.49	16.4	0.65

Other Non Standard material and color: See uni Material and Color Overview.

Accessories

Non Standard uni AmFlight

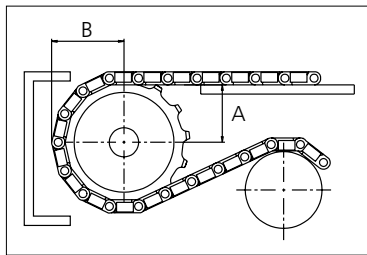
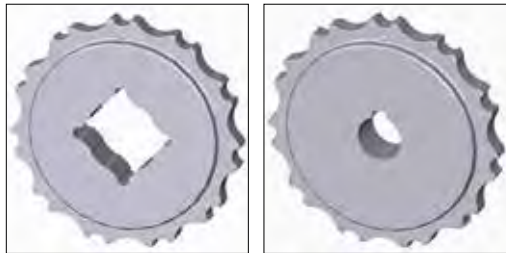


Other Non Standard option: See uni AmFlight Overview.

Sprocket

No of teeth	Bore size													Overall diameter		Pitch-diameter		Hub-diameter		A-dimension		B-dimension		Single row/Two way	Double row/Two way	Molded PA6 LG	Machined PA6 N
	Pilot bore		Bore size																								
	mm	in	19.1	0.75	0.78	0.98	1.00	1.18	1.25	1.50	1.57	2.36	2.50	3.54	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	
Z07						●	●	●						87.8	3.46	86.0	3.39	65.0	2.56	35.2	1.39	48.3	1.90	x		x	
Z09						●	●	●	■	●				111.4	4.39	110.6	4.35	90.0	3.54	48.0	1.89	60.0	2.36	x		x	
Z10						●	●	●	■	■	●			123.3	4.85	122.7	4.83	100.0	3.94	54.3	2.14	66.0	2.60	x		x	
Z11						●	●	●	■	■	■	●		135.2	5.32	135.0	5.31	110.0	4.33	60.5	2.38	72.0	2.83	x		x	
Z12							●	●	●	●	●	●		147.2	5.80	147.1	5.79	120.0	4.72	66.7	2.63	78.0	3.07	x		x	
Z15							●	●	●	●	●	●	●	183.2	7.21	183.5	7.22	120.0	4.72	85.3	3.36	96.0	3.78	x		x	

■ Molded sprocket ● Molded sprocket



Other sprocket sizes are available upon request.
 Two-part sprocket are available upon request.
 Round bores are always delivered with keyway.
 Other bore sizes are available upon request.
 uni Retainer Rings: See uni Retainer Ring data sheet
 Width of tooth = 11.8 mm (0.47 in)
 Width of sprocket = 23.2 mm (0.91 in)

Max load per sprocket shown does not take bore size into account.
 Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni Light EP.
 For more detailed sprocket information. contact Customer Service.

Non standard material and color: See uni Material and Color Overview.

uni Light EP 8.5%/1301



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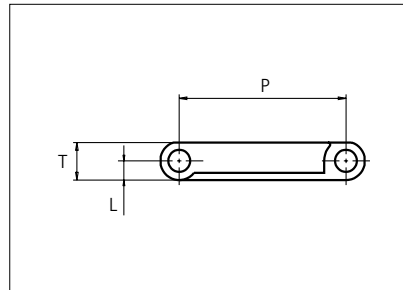
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Plastic Modular Belt

Serie **uni Light EP** Type **18%**



Straight running belt
 Nominal pitch: 38.1 mm (1.50 in)
 Surface type: Flat
 Surface opening: 18%
 Backflex radius: 75.0 mm (3.0 in)
 Pin diameter: \varnothing 5.0 mm (0.20 in)

Recommended Belt material & color	POM-D W	mm	in		mm	in	
Recommended Pin and lock material & color	PP W PP W	P (Nominal)	38.1	1.50	T	8.5	0.33
		L	4.3	0.17	-	-	-

Non standard material and color: See uni Material and Color Overview.

Alternative materials: Belt: POM-LF and PE Pin: PP **W** PA6.6 **B** PE **W** PBT **LG** and SS304 PP **W** **B** **G** PP **W**

Belt width		Permissible tensile force (Belt/pin material)						Belt weight (Belt/pin material)						*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-D/PA6.6		PP/PA6.6		PE/PA6.6		POM-D/PA6.6		PP/PA6.6		PE/PA6.6			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft	kg/m	lb/ft			
102	4.0	1046	235	523	118	314	71	0.5	0.33	0.3	0.23	0.4	0.25	2	2	2
153	6.0	1568	353	784	176	470	106	0.7	0.49	0.5	0.35	0.6	0.37	2	2	2
204	8.0	2091	470	1046	235	627	141	1.0	0.66	0.7	0.47	0.7	0.49	2	2	2
255	10.0	2614	588	1307	294	784	176	1.2	0.82	0.9	0.58	0.9	0.62	2	2	2
306	12.0	3137	705	1568	353	941	212	1.5	0.99	1.0	0.70	1.1	0.74	3	3	2
357	14.1	3659	823	1830	411	1098	247	1.7	1.15	1.2	0.82	1.3	0.86	3	3	2
408	16.1	4182	940	2091	470	1255	282	2.0	1.32	1.4	0.93	1.5	0.99	3	3	2
459	18.1	4705	1058	2352	529	1411	317	2.2	1.48	1.6	1.05	1.7	1.11	4	4	2
510	20.1	5228	1175	2614	588	1568	353	2.4	1.65	1.7	1.17	1.8	1.23	4	4	2
561	22.1	5750	1293	2875	646	1725	388	2.7	1.81	1.9	1.28	2.0	1.36	4	4	2
612	24.1	6273	1410	3137	705	1882	423	2.9	1.97	2.1	1.40	2.2	1.48	5	5	3
663	26.1	6796	1528	3398	764	2039	458	3.2	2.14	2.3	1.51	2.4	1.60	5	5	3
714	28.1	7319	1645	3659	823	2196	494	3.4	2.30	2.4	1.63	2.6	1.73	5	5	3

Additional standard belt widths are available in steps of 50.9 mm (2.00 in.) Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in.)

1987	78.2	20367	4578	10183	2289	6110	1374	9.5	6.41	6.8	4.54	7.2	4.81	14	14	7
------	------	-------	------	-------	------	------	------	-----	------	-----	------	-----	------	----	----	---

Additional standard belt widths are available in steps of 50.9 mm (2.00 in.) Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in.)

2955	116.3	30289	6809	15144	3404	9087	2043	14.2	9.53	10.0	6.75	10.6	7.15	20	20	10
------	-------	-------	------	-------	------	------	------	------	------	------	------	------	------	----	----	----

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.

*Max. Load per Drive Sprocket. Belt material: POM-D 1000 N (225 lbf).PP 600 N (135 lbf). PE 600 N (135 lbf)

**Max. Spacing between wear strips. Carry: 152 mm (6 in.); Return: 304 mm (12 in.)



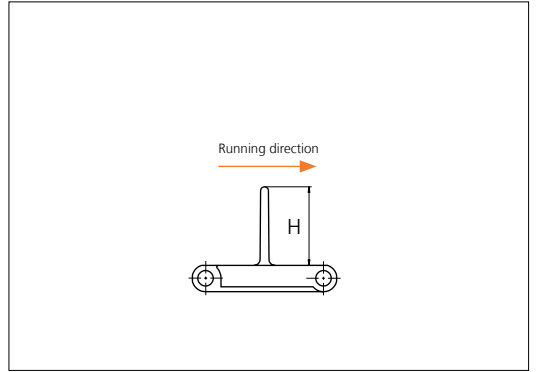
NON STANDARD

STRAIGHT RUNNING

PITCH 38.1 MM/1.50 IN

Accessories

Flight



Type	Recommended Material & color	H		Link size	Width		Indent left/right	
		mm	in		mm	in	mm	in
Non Stick	POM-D W	25.4	1.00	K750	191.0	7.52	0.0	0.00
		50.8	2.00				17.5	0.69
Flat/ Support Ribs	POM-D W	25.4	1.00	K400	101.6	4.00	0.0	0.00
				K600	152.8	6.02	0.0	0.00
		50.8	2.00	K400	101.6	4.00	0.0	0.00
				K600	152.8	6.02	0.0	0.00
76.2	3.00	K600	152.8	6.02	0.0	0.00		

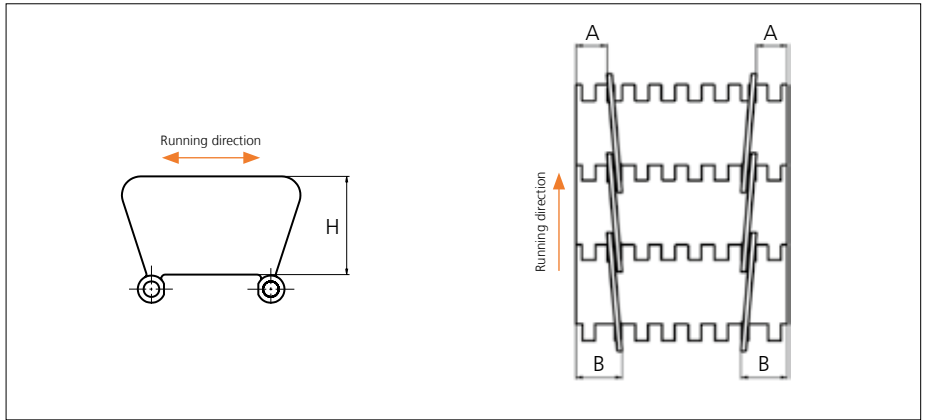
Minimum bricklaid indent for uni Light EP flights is 38.1 mm (1.50 in), increment: 12.7 mm (0.50 in).

Alternative materials: PP-I, PE

Non Standard material and color: See uni Material and Color Overview.

Accessories

Side Guard

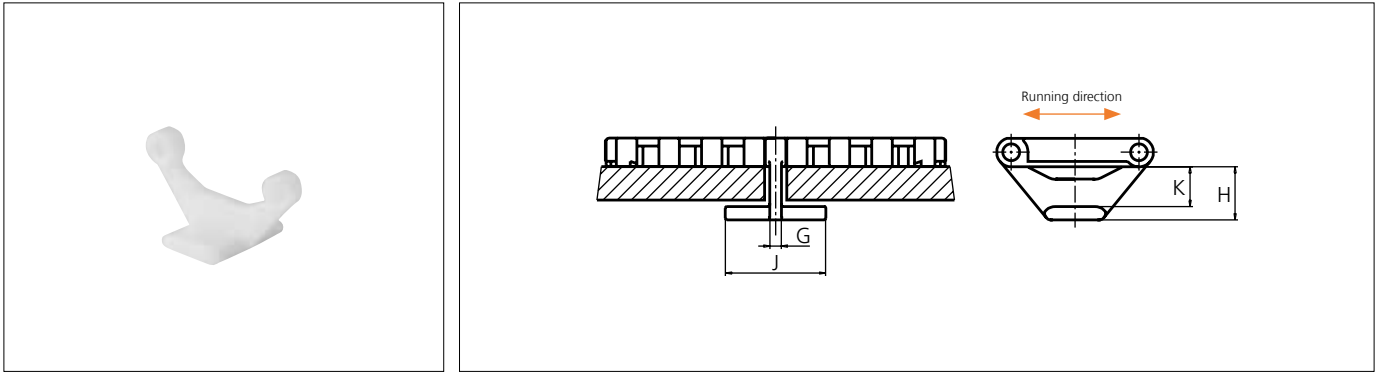


Type	Recommended Material & color	H		A		B	
		mm	in	mm	in	mm	in
Closed	POM-D W	31.7	1.25	15.0	0.59	23.0	0.91

Other Non Standard material and color: See uni Material and Color Overview.

Accessories

Tab

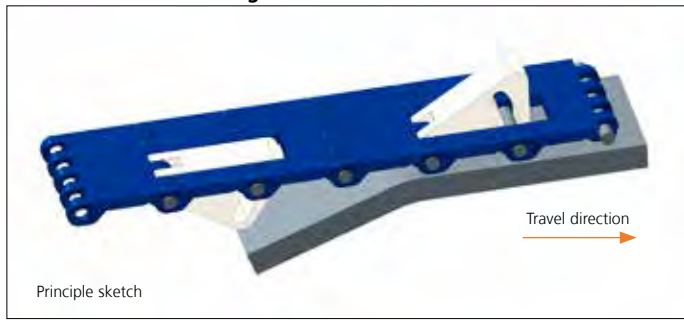


Type	Recommended Material & color	G		J		K		H	
		mm	in	mm	in	mm	in	mm	in
Bottom Hold Down	POM-D W	3.5	0.14	26.0	1.02	12.4	0.49	16.4	0.65

Other Non Standard material and color: See uni Material and Color Overview.

Accessories

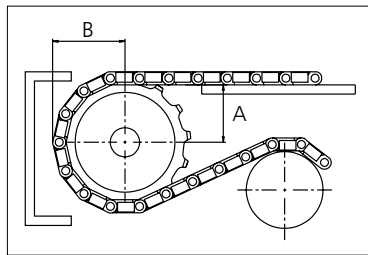
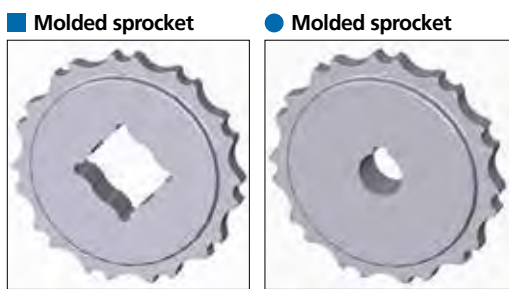
Non Standard uni AmFlight



Other Non Standard option: See uni AmFlight Overview.

Sprocket

No of teeth	Bore size													Overall diameter		Pitch-diameter		Hub-diameter		A-dimension		B-dimension		Single row/Two way	Double row/Two way	Molded PA6 LG	Machined PA6 N
	Pilot bore																										
	mm	in	19.1	0.75	0.78	0.98	1.00	1.18	1.25	1.50	1.57	2.36	2.50	3.54	mm	in	mm	in	mm	in	mm	in					
Z07						●	●	●						87.8	3.46	86.0	3.39	65.0	2.56	35.2	1.39	48.3	1.90	x		x	
Z09						●	●	●	■	●				111.4	4.39	110.6	4.35	90.0	3.54	48.0	1.89	60.0	2.36	x		x	
Z10						●	●	●	■	■	●			123.3	4.85	122.7	4.83	100.0	3.94	54.3	2.14	66.0	2.60	x		x	
Z11						●	●	●	■	■	■	●		135.2	5.32	135.0	5.31	110.0	4.33	60.5	2.38	72.0	2.83	x		x	
Z12							●	●	●	●	●	●		147.2	5.80	147.1	5.79	120.0	4.72	66.7	2.63	78.0	3.07	x		x	
Z15							●	●	●	●	●	●		183.2	7.21	183.5	7.22	120.0	4.72	85.3	3.36	96.0	3.78	x		x	



Other sprocket sizes are available upon request.
 Two-part sprocket are available upon request.
 Round bores are always delivered with keyway.
 Other bore sizes are available upon request.
 uni Retainer Rings: See uni Retainer Ring data sheet
 Width of tooth = 11.8 mm (0.47 in)
 Width of sprocket = 23.2 mm (0.91 in)

Max load per sprocket shown does not take bore size into account.
 Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni Light EP.
 For more detailed sprocket information. contact Customer Service.

Non standard material and color: See uni Material and Color Overview.

uni Light EP 18%/1301



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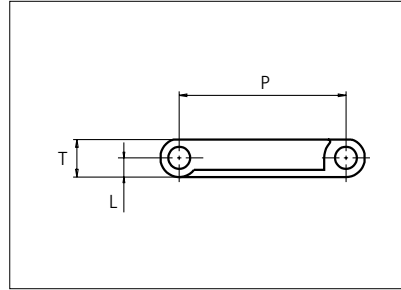
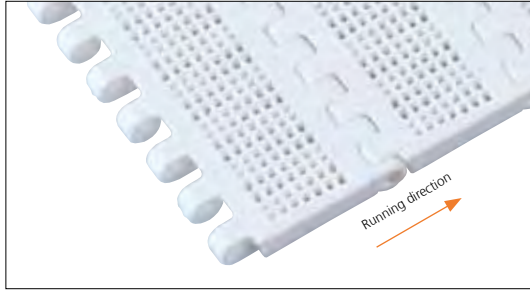
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Plastic Modular Belt

Serie **uni Light EP** Type **22%**



Straight running belt
 Nominal pitch: 38.1 mm (1.50 in)
 Surface type: Flat
 Surface opening: 22%
 Backflex radius: 75.0 mm (3.0 in)
 Pin diameter: \varnothing 5.0 mm (0.20 in)

Recommended Belt material & color	POM-D W	mm	in		mm	in	
Recommended Pin and lock material & color	PP W PP W	P (Nominal)	38.1	1.50	T	8.5	0.33
		L	4.3	0.17	-	-	-

Non standard material and color: See uni Material and Color Overview.

Alternative materials: Belt: POM-LF and PE Pin: PP **W** PA6.6 **B** PE **W** PBT **LG** and SS304 PP **W** **B** **G** PP **W**

Belt width		Permissible tensile force (Belt/pin material)						Belt weight (Belt/pin material)						*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-D/PA6.6		PP/PA6.6		PE/PA6.6		POM-D/PA6.6		PP/PA6.6		PE/PA6.6			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft	kg/m	lb/ft			
102	4.0	1046	235	523	118	314	71	0.5	0.33	0.3	0.23	0.4	0.25	2	2	2
153	6.0	1568	353	784	176	470	106	0.7	0.49	0.5	0.35	0.6	0.37	2	2	2
204	8.0	2091	470	1046	235	627	141	1.0	0.66	0.7	0.47	0.7	0.49	2	2	2
255	10.0	2614	588	1307	294	784	176	1.2	0.82	0.9	0.58	0.9	0.62	2	2	2
306	12.0	3137	705	1568	353	941	212	1.5	0.99	1.0	0.70	1.1	0.74	3	3	2
357	14.1	3659	823	1830	411	1098	247	1.7	1.15	1.2	0.82	1.3	0.86	3	3	2
408	16.1	4182	940	2091	470	1255	282	2.0	1.32	1.4	0.93	1.5	0.99	3	3	2
459	18.1	4705	1058	2352	529	1411	317	2.2	1.48	1.6	1.05	1.7	1.11	4	4	2
510	20.1	5228	1175	2614	588	1568	353	2.4	1.65	1.7	1.17	1.8	1.23	4	4	2
561	22.1	5750	1293	2875	646	1725	388	2.7	1.81	1.9	1.28	2.0	1.36	4	4	2
612	24.1	6273	1410	3137	705	1882	423	2.9	1.97	2.1	1.40	2.2	1.48	5	5	3
663	26.1	6796	1528	3398	764	2039	458	3.2	2.14	2.3	1.51	2.4	1.60	5	5	3
714	28.1	7319	1645	3659	823	2196	494	3.4	2.30	2.4	1.63	2.6	1.73	5	5	3

Additional standard belt widths are available in steps of 50.9 mm (2.00 in.) Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in.)

1987	78.2	20367	4578	10183	2289	6110	1374	9.5	6.41	6.8	4.54	7.2	4.81	14	14	7
------	------	-------	------	-------	------	------	------	-----	------	-----	------	-----	------	----	----	---

Additional standard belt widths are available in steps of 50.9 mm (2.00 in.) Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in.)

2955	116.3	30289	6809	15144	3404	9087	2043	14.2	9.53	10.0	6.75	10.6	7.15	20	20	10
------	-------	-------	------	-------	------	------	------	------	------	------	------	------	------	----	----	----

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.

*Max. Load per Drive Sprocket. Belt material: POM-D 1000 N (225 lbf).PP 600 N (135 lbf). PE 600 N (135 lbf)

**Max. Spacing between wear strips. Carry: 152 mm (6 in.); Return: 304 mm (12 in.)



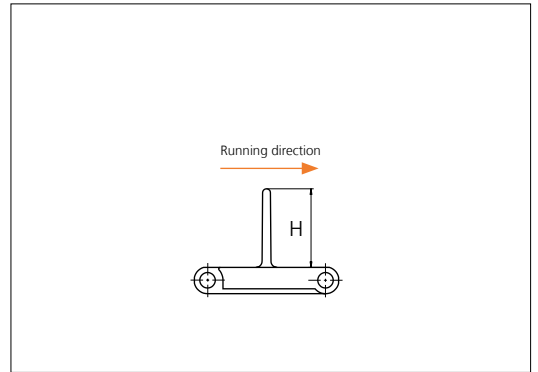
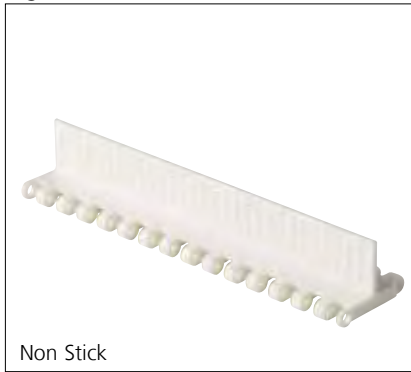
NON STANDARD

STRAIGHT RUNNING

PITCH 38.1 MM/1.50 IN

Accessories

Flight



Type	Recommended Material & color	H		Link size	Width		Indent left/right	
		mm	in		mm	in	mm	in
Non Stick	POM-D W	25.4	1.00	K750	191.0	7.52	0.0	0.00
		50.8	2.00				17.5	0.69
Flat/ Support Ribs	POM-D W	25.4	1.00	K400	101.6	4.00	0.0	0.00
				K600	152.8	6.02	0.0	0.00
		50.8	2.00	K400	101.6	4.00	0.0	0.00
				K600	152.8	6.02	0.0	0.00
76.2	3.00	K600	152.8	6.02	0.0	0.00		

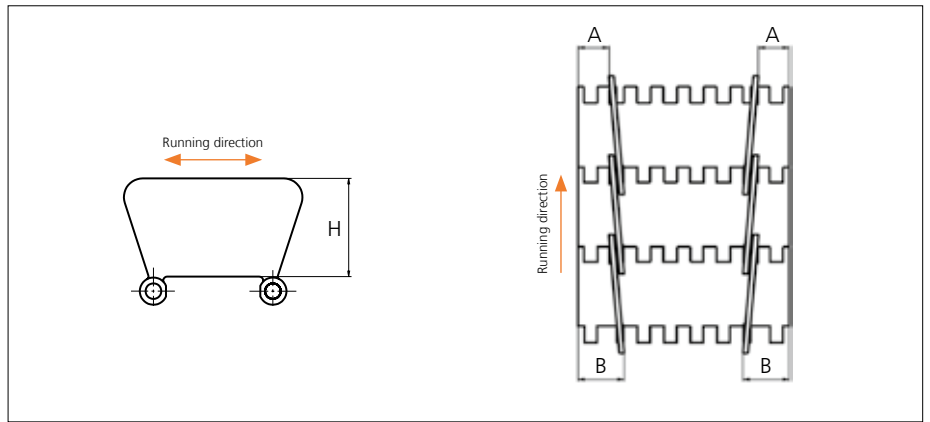
Minimum bricklaid indent for uni Light EP flights is 38.1 mm (1.50 in), increment: 12.7 mm (0.50 in).

Alternative materials: PP-I, PE

Non Standard material and color: See uni Material and Color Overview.

Accessories

Side Guard

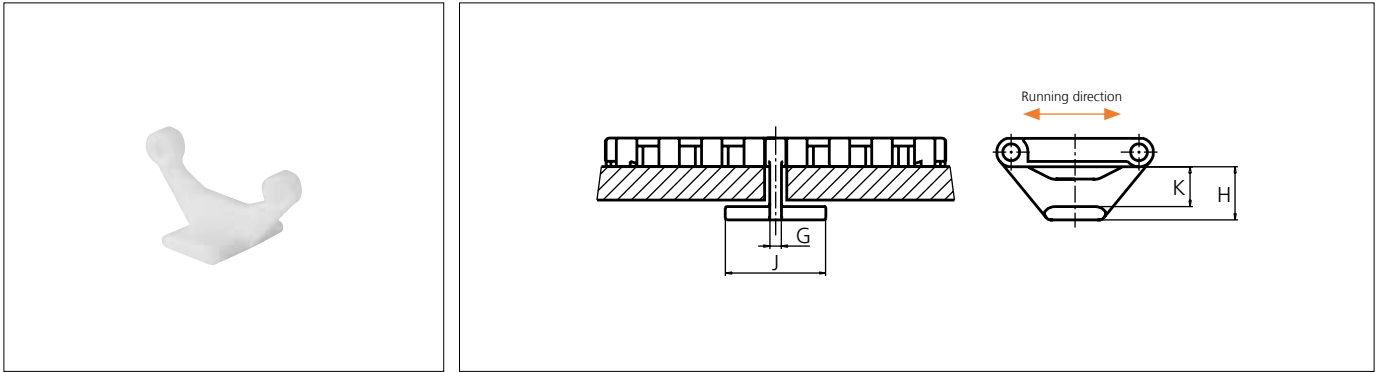


Type	Recommended Material & color	H		A		B	
		mm	in	mm	in	mm	in
Closed	POM-D W	31.7	1.25	15.0	0.59	23.0	0.91

Other Non Standard material and color: See uni Material and Color Overview.

Accessories

Tab

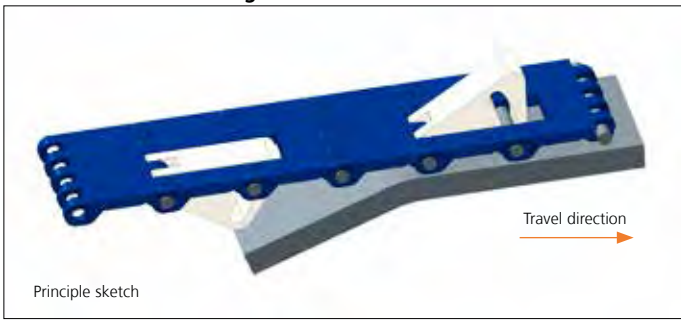


Type	Recommended Material & color	G		J		K		H	
		mm	in	mm	in	mm	in	mm	in
Bottom Hold Down	POM-D W	3.5	0.14	26.0	1.02	12.4	0.49	16.4	0.65

Other Non Standard material and color: See uni Material and Color Overview.

Accessories

Non Standard uni AmFlight



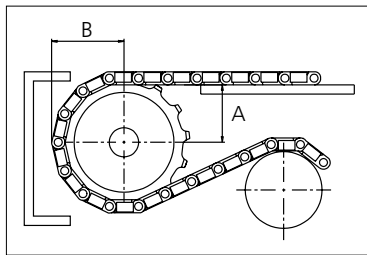
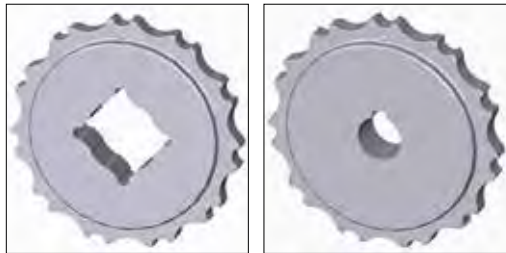
Other Non Standard option: See uni AmFlight Overview.

Sprocket

No of teeth	Bore size													Overall diameter		Pitch-diameter		Hub-diameter		A-dimension		B-dimension		Single row/Two way	Double row/Two way	Molded PA6 LG	Machined PA6 N
	Pilot bore																										
	mm	in	0.75	0.78	0.98	1.00	1.18	1.25	1.50	1.57	2.36	2.50	3.54	mm	in	mm	in	mm	in	mm	in	x	x	x	x		
Z07						●	●	●					87.8	3.46	86.0	3.39	65.0	2.56	35.2	1.39	48.3	1.90	x		x		
Z09						●	●	●	■	●			111.4	4.39	110.6	4.35	90.0	3.54	48.0	1.89	60.0	2.36	x		x		
Z10						●	●	●	■	■	●		123.3	4.85	122.7	4.83	100.0	3.94	54.3	2.14	66.0	2.60	x		x		
Z11						●	●	●	■	■	■	●	135.2	5.32	135.0	5.31	110.0	4.33	60.5	2.38	72.0	2.83	x		x		
Z12							●	●	●	●	●	●	147.2	5.80	147.1	5.79	120.0	4.72	66.7	2.63	78.0	3.07	x		x		
Z15							●	●	●	●	●	●	183.2	7.21	183.5	7.22	120.0	4.72	85.3	3.36	96.0	3.78	x		x		

■ Molded sprocket

● Molded sprocket



Other sprocket sizes are available upon request.
 Two-part sprocket are available upon request.
 Round bores are always delivered with keyway.
 Other bore sizes are available upon request.
 uni Retainer Rings: See uni Retainer Ring data sheet
 Width of tooth = 11.8 mm (0.47 in)
 Width of sprocket = 23.2 mm (0.91 in)

Max load per sprocket shown does not take bore size into account.
 Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni Light EP.
 For more detailed sprocket information. contact Customer Service.

Non standard material and color: See uni Material and Color Overview.

uni Light EP 22%/1301



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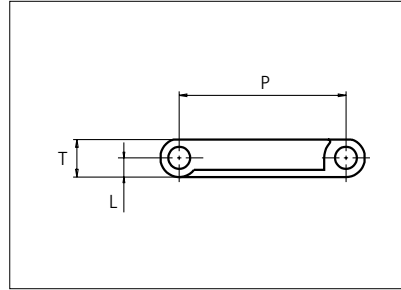
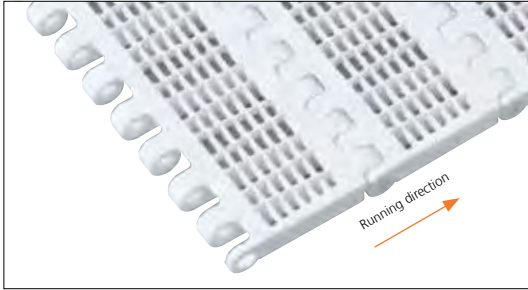
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Plastic Modular Belt

Serie **uni Light EP** Type **28%**



Straight running belt
 Nominal pitch: 38.1 mm (1.50 in)
 Surface type: Flat
 Surface opening: 28%
 Backflex radius: 75.0 mm (3.0 in)
 Pin diameter: \varnothing 5.0 mm (0.20 in)

Recommended Belt material & color	POM-D W	mm	in		mm	in
Recommended Pin and lock material & color	PP W PP W	P (Nominal)	38.1	1.50	T	8.5 0.33
		L	4.3	0.17	-	- -

Non standard material and color: See uni Material and Color Overview.

Alternative materials: Belt: POM-LF and PE Pin: PP **W** PA6.6 **B** PE **W** PBT **LG** and SS304 PP **W** **B** **G** PP **W**

Belt width		Permissible tensile force (Belt/pin material)						Belt weight (Belt/pin material)						*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-D/PA6.6		PP/PA6.6		PE/PA6.6		POM-D/PA6.6		PP/PA6.6		PE/PA6.6			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft	kg/m	lb/ft			
102	4.0	1046	235	523	118	314	71	0.5	0.33	0.3	0.23	0.4	0.25	2	2	2
153	6.0	1568	353	784	176	470	106	0.7	0.49	0.5	0.35	0.6	0.37	2	2	2
204	8.0	2091	470	1046	235	627	141	1.0	0.66	0.7	0.47	0.7	0.49	2	2	2
255	10.0	2614	588	1307	294	784	176	1.2	0.82	0.9	0.58	0.9	0.62	2	2	2
306	12.0	3137	705	1568	353	941	212	1.5	0.99	1.0	0.70	1.1	0.74	3	3	2
357	14.1	3659	823	1830	411	1098	247	1.7	1.15	1.2	0.82	1.3	0.86	3	3	2
408	16.1	4182	940	2091	470	1255	282	2.0	1.32	1.4	0.93	1.5	0.99	3	3	2
459	18.1	4705	1058	2352	529	1411	317	2.2	1.48	1.6	1.05	1.7	1.11	4	4	2
510	20.1	5228	1175	2614	588	1568	353	2.4	1.65	1.7	1.17	1.8	1.23	4	4	2
561	22.1	5750	1293	2875	646	1725	388	2.7	1.81	1.9	1.28	2.0	1.36	4	4	2
612	24.1	6273	1410	3137	705	1882	423	2.9	1.97	2.1	1.40	2.2	1.48	5	5	3
663	26.1	6796	1528	3398	764	2039	458	3.2	2.14	2.3	1.51	2.4	1.60	5	5	3
714	28.1	7319	1645	3659	823	2196	494	3.4	2.30	2.4	1.63	2.6	1.73	5	5	3

Additional standard belt widths are available in steps of 50.9 mm (2.00 in.) Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in.)

1987	78.2	20367	4578	10183	2289	6110	1374	9.5	6.41	6.8	4.54	7.2	4.81	14	14	7
------	------	-------	------	-------	------	------	------	-----	------	-----	------	-----	------	----	----	---

Additional standard belt widths are available in steps of 50.9 mm (2.00 in.) Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in.)

2955	116.3	30289	6809	15144	3404	9087	2043	14.2	9.53	10.0	6.75	10.6	7.15	20	20	10
------	-------	-------	------	-------	------	------	------	------	------	------	------	------	------	----	----	----

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.

*Max. Load per Drive Sprocket. Belt material: POM-D 1000 N (225 lbf).PP 600 N (135 lbf). PE 600 N (135 lbf)

**Max. Spacing between wear strips. Carry: 152 mm (6 in.); Return: 304 mm (12 in.)



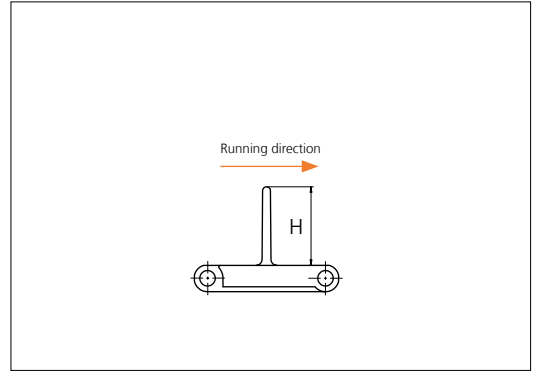
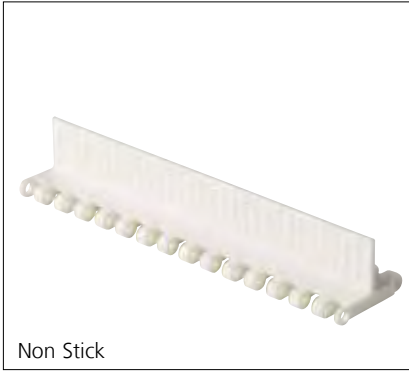
NON STANDARD

STRAIGHT RUNNING

PITCH 38.1 MM/1.50 IN

Accessories

Flight



Type	Recommended Material & color	H		Link size	Width		Indent left/right	
		mm	in		mm	in	mm	in
Non Stick	POM-D W	25.4	1.00	K750	191.0	7.52	0.0	0.00
		50.8	2.00				17.5	0.69
Flat/ Support Ribs	POM-D W	25.4	1.00	K400	101.6	4.00	0.0	0.00
				K600	152.8	6.02	0.0	0.00
		50.8	2.00	K400	101.6	4.00	0.0	0.00
				K600	152.8	6.02	0.0	0.00
76.2	3.00	K600	152.8	6.02	0.0	0.00		

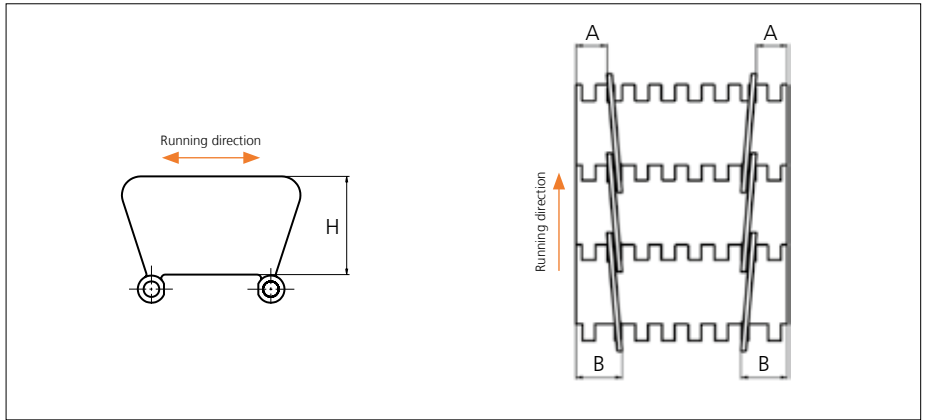
Minimum bricklaid indent for uni Light EP flights is 38.1 mm (1.50 in), increment: 12.7 mm (0.50 in).

Alternative materials: PP-I, PE

Non Standard material and color: See uni Material and Color Overview.

Accessories

Side Guard

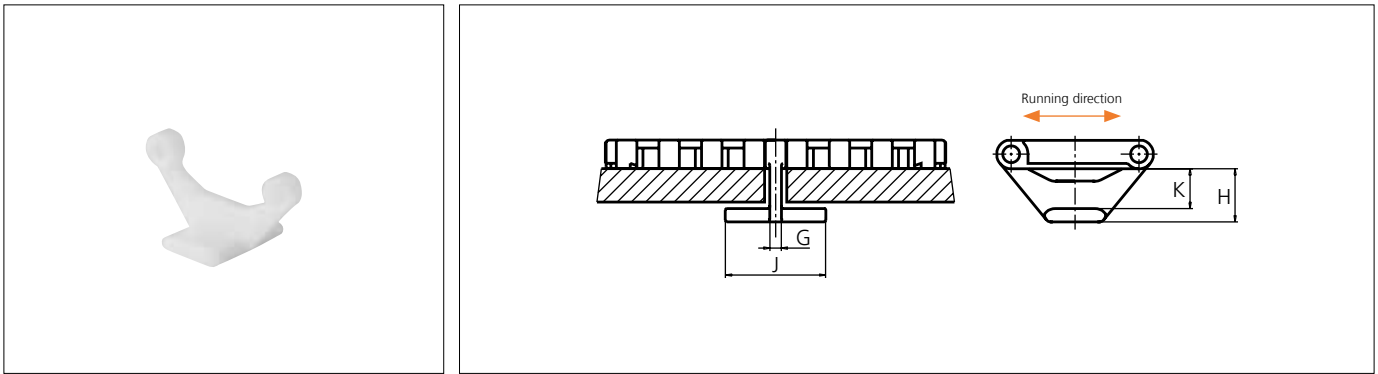


Type	Recommended Material & color	H		A		B	
		mm	in	mm	in	mm	in
Closed	POM-D W	31.7	1.25	15.0	0.59	23.0	0.91

Other Non Standard material and color: See uni Material and Color Overview.

Accessories

Tab

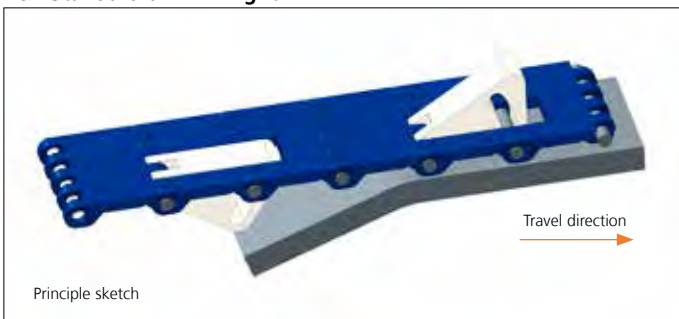


Type	Recommended Material & color	G		J		K		H	
		mm	in	mm	in	mm	in	mm	in
Bottom Hold Down	POM-D W	3.5	0.14	26.0	1.02	12.4	0.49	16.4	0.65

Other Non Standard material and color: See uni Material and Color Overview.

Accessories

Non Standard uni AmFlight



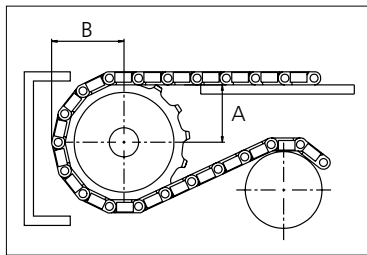
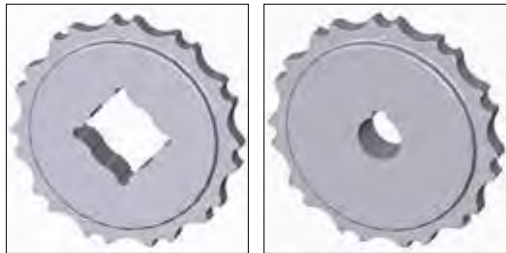
Other Non Standard option: See uni AmFlight Overview.

Sprocket

No of teeth	Bore size													Overall diameter		Pitch-diameter		Hub-diameter		A-dimension		B-dimension		Single row/Two way	Double row/Two way	Molded PA6 LG	Machined PA6 N
	Pilot bore		Bore size																								
	mm	in	19.1	0.75	0.78	0.98	1.00	1.18	1.25	1.50	1.57	2.36	2.50	3.54	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	
Z07						●	●	●						87.8	3.46	86.0	3.39	65.0	2.56	35.2	1.39	48.3	1.90	x		x	
Z09						●	●	●	■	●				111.4	4.39	110.6	4.35	90.0	3.54	48.0	1.89	60.0	2.36	x		x	
Z10						●	●	●	■	■	●			123.3	4.85	122.7	4.83	100.0	3.94	54.3	2.14	66.0	2.60	x		x	
Z11						●	●	●	■	■	■	●		135.2	5.32	135.0	5.31	110.0	4.33	60.5	2.38	72.0	2.83	x		x	
Z12							●	●	●	●	●	●		147.2	5.80	147.1	5.79	120.0	4.72	66.7	2.63	78.0	3.07	x		x	
Z15							●	●	●	●	●	●	●	183.2	7.21	183.5	7.22	120.0	4.72	85.3	3.36	96.0	3.78	x		x	

■ Molded sprocket

● Molded sprocket



Other sprocket sizes are available upon request.
 Two-part sprocket are available upon request.
 Round bores are always delivered with keyway.
 Other bore sizes are available upon request.
 uni Retainer Rings: See uni Retainer Ring data sheet
 Width of tooth = 11.8 mm (0.47 in)
 Width of sprocket = 23.2 mm (0.91 in)

Max load per sprocket shown does not take bore size into account.
 Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni Light EP.
 For more detailed sprocket information. contact Customer Service.

Non standard material and color: See uni Material and Color Overview.

uni Light EP 28%/1301



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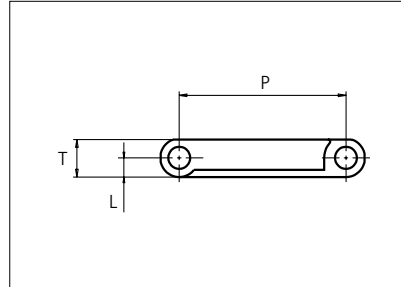
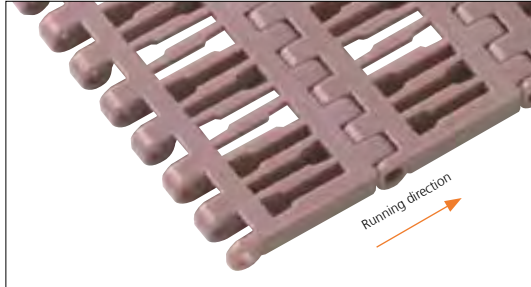
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Plastic Modular Belt

Serie **uni Light EP** Type **33%**



Straight running belt
 Nominal pitch: 38.1 mm (1.50 in)
 Surface type: Flat
 Surface opening: 33%
 Backflex radius: 75.0 mm (3.0 in)
 Pin diameter: \varnothing 5.0 mm (0.20 in)

Recommended Belt material & color	POM-LF BR		mm	in		mm	in
Recommended Pin and lock material & color	PP W PP W		P (Nominal)	38.1	1.50	T	8.5 0.33
			L	4.3	0.17	-	- -

Non standard material and color: See uni Material and Color Overview.

Alternative materials: Belt: POM-LF and PE Pin: PP **W** PA6.6 **B** PE **W** PBT **LG** and SS304 PP **W** **B** **G** PP **W**

Belt width		Permissible tensile force (Belt/pin material)						Belt weight (Belt/pin material)						*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-D/PA6.6		PP/PA6.6		PE/PA6.6		POM-D/PA6.6		PP/PA6.6		PE/PA6.6			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft	kg/m	lb/ft			
102	4.0	1046	235	523	118	314	71	0.4	0.30	0.3	0.21	0.3	0.23	2	2	2
153	6.0	1568	353	784	176	470	106	0.7	0.45	0.5	0.32	0.5	0.34	2	2	2
204	8.0	2091	470	1046	235	627	141	0.9	0.60	0.6	0.43	0.7	0.45	2	2	2
255	10.0	2614	588	1307	294	784	176	1.1	0.75	0.8	0.53	0.8	0.57	2	2	2
306	12.0	3137	705	1568	353	941	212	1.3	0.90	0.9	0.64	1.0	0.68	3	3	2
357	14.1	3659	823	1830	411	1098	247	1.6	1.06	1.1	0.74	1.2	0.79	3	3	2
408	16.1	4182	940	2091	470	1255	282	1.8	1.21	1.3	0.85	1.3	0.90	3	3	2
459	18.1	4705	1058	2352	529	1411	317	2.0	1.36	1.4	0.96	1.5	1.02	4	4	2
510	20.1	5228	1175	2614	588	1568	353	2.2	1.51	1.6	1.06	1.7	1.13	4	4	2
561	22.1	5750	1293	2875	646	1725	388	2.5	1.66	1.7	1.17	1.9	1.24	4	4	2
612	24.1	6273	1410	3137	705	1882	423	2.7	1.81	1.9	1.28	2.0	1.36	5	5	3
663	26.1	6796	1528	3398	764	2039	458	2.9	1.96	2.1	1.38	2.2	1.47	5	5	3
714	28.1	7319	1645	3659	823	2196	494	3.1	2.11	2.2	1.49	2.4	1.58	5	5	3

Additional standard belt widths are available in steps of 50.9 mm (2.00 in.) Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in.)

1987	78.2	20367	4578	10183	2289	6110	1374	8.7	5.88	6.2	4.14	6.6	4.41	14	14	7
------	------	-------	------	-------	------	------	------	-----	------	-----	------	-----	------	----	----	---

Additional standard belt widths are available in steps of 50.9 mm (2.00 in.) Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in.)

2955	116.3	30289	6809	15144	3404	9087	2043	13.0	8.74	9.2	6.16	9.8	6.55	20	20	10
------	-------	-------	------	-------	------	------	------	------	------	-----	------	-----	------	----	----	----

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.

*Max. Load per Drive Sprocket. Belt material: POM-D 1000 N (225 lbf), PP 600 N (135 lbf), PE 600 N (135 lbf)

**Max. Spacing between wear strips, Carry: 152 mm (6 in.); Return: 304 mm (12 in.)



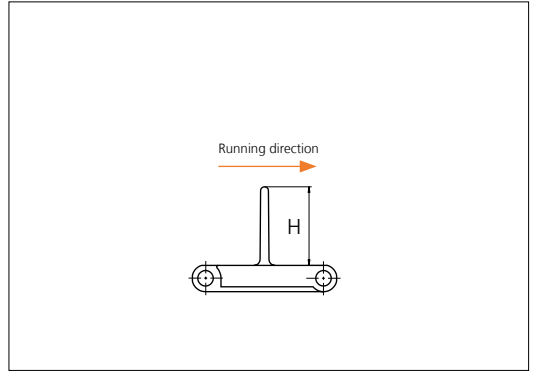
NON STANDARD

STRAIGHT RUNNING

PITCH 38.1 MM/1.50 IN

Accessories

Flight



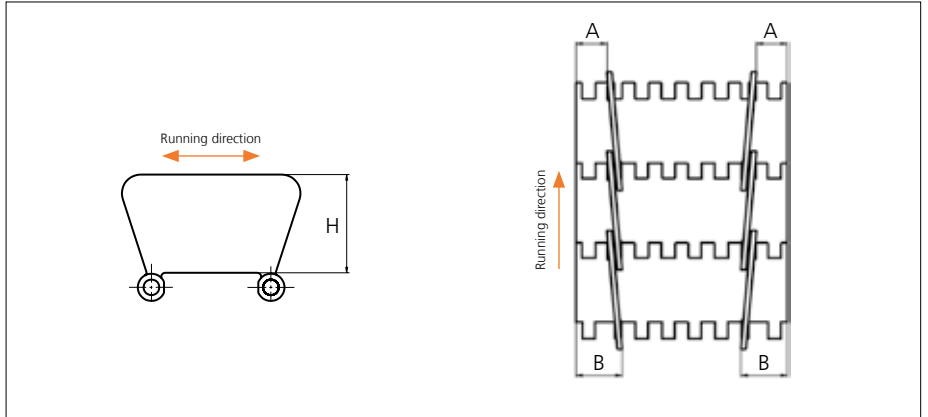
Type	Recommended Material & color	H		Link size	Width		Indent left/right	
		mm	in		mm	in	mm	in
Non Stick	POM-D W	25.4	1.00	K750	191.0	7.52	0.0	0.00
		50.8	2.00				17.5	0.69
Flat/ Support Ribs	POM-D W	25.4	1.00	K400	101.6	4.00	0.0	0.00
				K600	152.8	6.02	0.0	0.00
		50.8	2.00	K400	101.6	4.00	0.0	0.00
				K600	152.8	6.02	0.0	0.00
76.2	3.00	K600	152.8	6.02	0.0	0.00		

Minimum bricklaid indent for uni Light EP flights is 38.1 mm (1.50 in), increment: 12.7 mm (0.50 in).

Alternative materials: PP-I, PE

Accessories

Side Guard

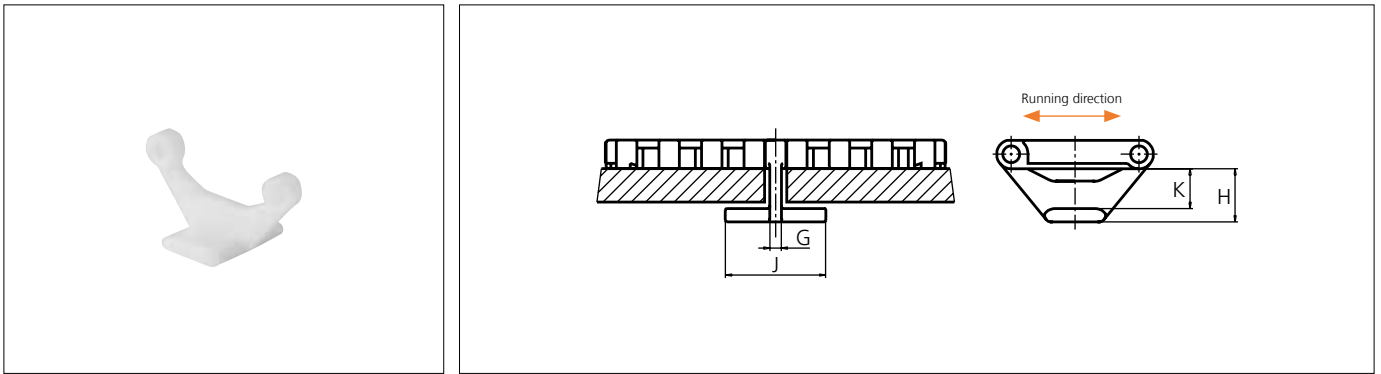


Type	Recommended Material & color	H		A		B	
		mm	in	mm	in	mm	in
Closed	POM-D W	31.7	1.25	15.0	0.59	23.0	0.91

Other Non Standard material and color: See uni Material and Color Overview.

Accessories

Tab



Type	Recommended Material & color	G		J		K		H	
		mm	in	mm	in	mm	in	mm	in
Bottom Hold Down	POM-D W	3.5	0.14	26.0	1.02	12.4	0.49	16.4	0.65

Other Non Standard material and color: See uni Material and Color Overview.

Accessories

Non Standard uni AmFlight



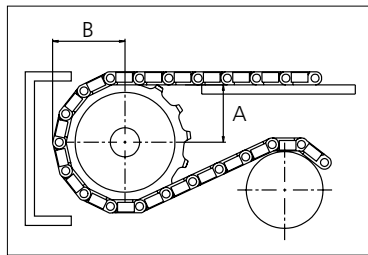
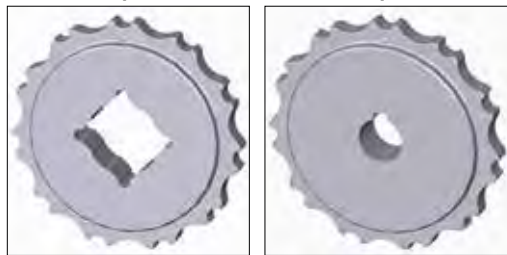
Other Non Standard option: See uni AmFlight Overview.

Sprocket

No of teeth	Bore size													Overall diameter		Pitch-diameter		Hub-diameter		A-dimension		B-dimension		Single row/Two way	Double row/Two way	Molded PA6 LG	Machined PA6 N
	Pilot bore																										
		in	0.75	0.78	0.98	1.00	1.18	1.25	1.50	1.57	2.36	2.50	3.54	mm	in	mm	in	mm	in	mm	in						
Z07					●	●	●						87.8	3.46	86.0	3.39	65.0	2.56	35.2	1.39	48.3	1.90	x		x		
Z09					●	●	●	■	●				111.4	4.39	110.6	4.35	90.0	3.54	48.0	1.89	60.0	2.36	x		x		
Z10					●	●	●	■	■	●			123.3	4.85	122.7	4.83	100.0	3.94	54.3	2.14	66.0	2.60	x		x		
Z11					●	●	●	■	■	■	●		135.2	5.32	135.0	5.31	110.0	4.33	60.5	2.38	72.0	2.83	x		x		
Z12						●	●	●	■	■	■	●	147.2	5.80	147.1	5.79	120.0	4.72	66.7	2.63	78.0	3.07	x		x		
Z15						●	●	●	■	■	■	■	183.2	7.21	183.5	7.22	120.0	4.72	85.3	3.36	96.0	3.78	x		x		

■ Molded sprocket

● Molded sprocket



Other sprocket sizes are available upon request.
 Two-part sprocket are available upon request.
 Round bores are always delivered with keyway.
 Other bore sizes are available upon request.
 uni Retainer Rings: See uni Retainer Ring data sheet
 Width of tooth = 11.8 mm (0.47 in)
 Width of sprocket = 23.2 mm (0.91 in)

Max load per sprocket shown does not take bore size into account.
 Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni Light EP.
 For more detailed sprocket information, contact Customer Service.

Non standard material and color: See uni Material and Color Overview.

uni Light EP 33%/1301



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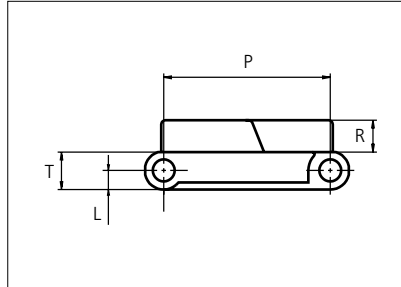
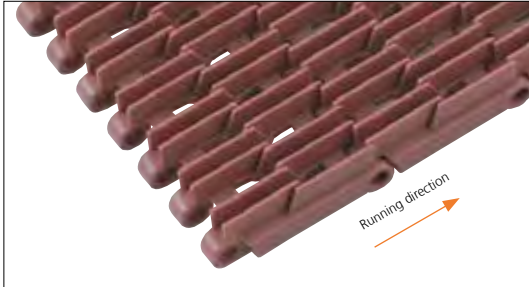
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Plastic Modular Belt

Serie **uni Light EP** Type **33% Rib**



Straight running belt
 Nominal pitch: 38.1 mm (1.50 in)
 Surface type: Rib Top
 Surface opening: 33%
 Backflex radius: 150.0 mm (5.9 in)
 Pin diameter: \varnothing 5.0 mm (0.20 in)

Recommended Belt material & color	POM-LF BR		mm	in		mm	in
Recommended Pin and lock material & color	PP W PP W		P (Nominal)	38.1	1.50	T	8.5 / 0.33
			L	4.3	0.17	R	7.3 / 0.29

Non standard material and color: See uni Material and Color Overview.

Alternative materials: Belt: POM-LF and PE Pin: PP **W** PA6.6 **B** PE **W** PBT **LG** and SS304 PP **W** **B** **G** PP **W**

Belt width		Permissible tensile force (Belt/pin material)						Belt weight (Belt/pin material)						*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-D/PA6.6		PP/PA6.6		PE/PA6.6		POM-D/PA6.6		PP/PA6.6		PE/PA6.6			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft	kg/m	lb/ft			
102	4.0	1046	235	523	118	314	71	0.6	0.40	0.4	0.27	0.4	0.29	2	2	2
153	6.0	1568	353	784	176	470	106	0.9	0.60	0.6	0.41	0.7	0.44	2	2	2
204	8.0	2091	470	1046	235	627	141	1.2	0.80	0.8	0.55	0.9	0.59	2	2	2
255	10.0	2614	588	1307	294	784	176	1.5	0.99	1.0	0.69	1.1	0.74	2	2	2
306	12.0	3137	705	1568	353	941	212	1.8	1.19	1.2	0.82	1.3	0.88	3	3	2
357	14.1	3659	823	1830	411	1098	247	2.1	1.39	1.4	0.96	1.5	1.03	3	3	2
408	16.1	4182	940	2091	470	1255	282	2.4	1.59	1.6	1.10	1.8	1.18	3	3	2
459	18.1	4705	1058	2352	529	1411	317	2.7	1.79	1.8	1.23	2.0	1.33	4	4	2
510	20.1	5228	1175	2614	588	1568	353	3.0	1.99	2.0	1.37	2.2	1.47	4	4	2
561	22.1	5750	1293	2875	646	1725	388	3.3	2.19	2.2	1.51	2.4	1.62	4	4	2
612	24.1	6273	1410	3137	705	1882	423	3.5	2.39	2.4	1.65	2.6	1.77	5	5	3
663	26.1	6796	1528	3398	764	2039	458	3.8	2.58	2.7	1.78	2.9	1.92	5	5	3
714	28.1	7319	1645	3659	823	2196	494	4.1	2.78	2.9	1.92	3.1	2.06	5	5	3

Additional standard belt widths are available in steps of 50.9 mm (2.00 in.) Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in.)

1987	78.2	20367	4578	10183	2289	6110	1374	11.5	7.75	7.9	5.34	8.5	5.74	14	14	7
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Additional standard belt widths are available in steps of 50.9 mm (2.00 in.) Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in.)

2955	116.3	30289	6809	15144	3404	9087	2043	17.1	11.52	11.8	7.94	12.7	8.54	20	20	10
------	-------	-------	------	-------	------	------	------	------	-------	------	------	------	------	----	----	----

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.

*Max. Load per Drive Sprocket. Belt material: POM-D 1000 N (225 lbf), PP 600 N (135 lbf), PE 600 N (135 lbf)

**Max. Spacing between wear strips, Carry: 152 mm (6 in.); Return: 304 mm (12 in.)



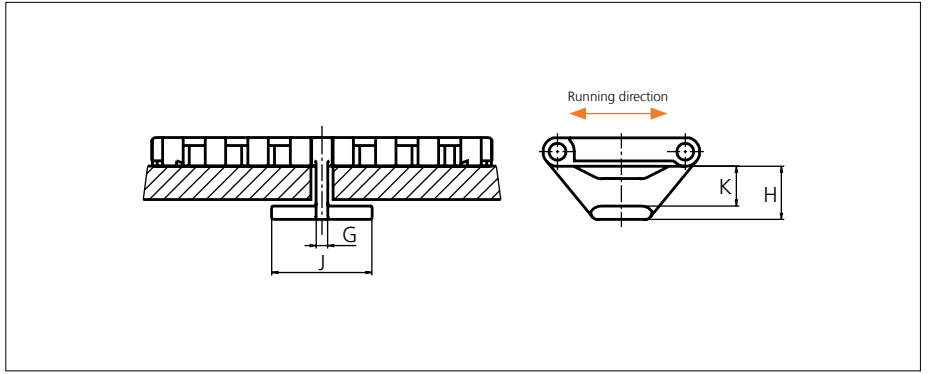
NON STANDARD

STRAIGHT RUNNING

PITCH 38.1 MM/1.50 IN

Accessories

Tab

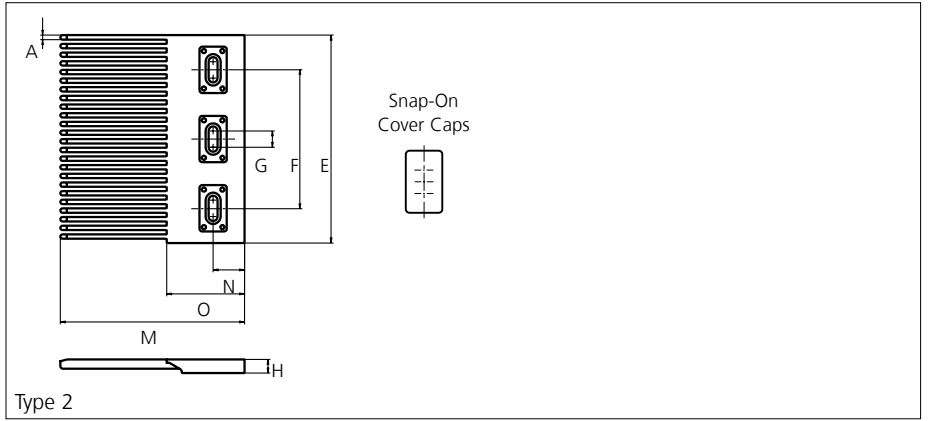
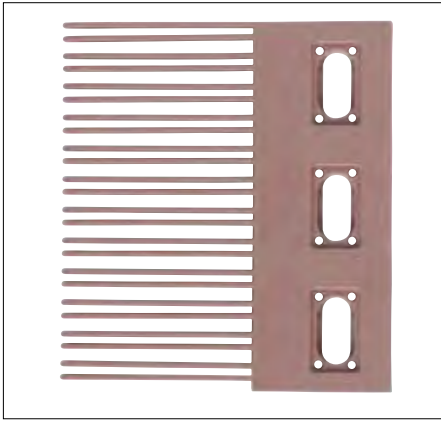


Type	Recommended Material & color	G		J		K		H	
		mm	in	mm	in	mm	in	mm	in
Bottom Hold Down	POM-D W	3.5	0.14	26.0	1.02	12.4	0.49	16.4	0.65

Other Non Standard material and color: See uni Material and Color Overview.

Accessories

Finger Plates



Type	Recommended Material & color	A		E		F		G		H		M		N		O	
		mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in
Single Sided	POM-LF BR	3.3	0.13	152.4	6.00	101.6	4.00	12.0	0.47	10.3	0.41	135.0	5.31	23.0	0.91	57.0	2.24

All uni-chains belt systems are available in a raised rib version that can be supplied with matching finger plates, also called combs.

The finger plates are supplied with cover caps which can be attached when the finger plate has been installed. The cover caps can be removed by using a screwdriver that can be inserted between the cover and finger plate.

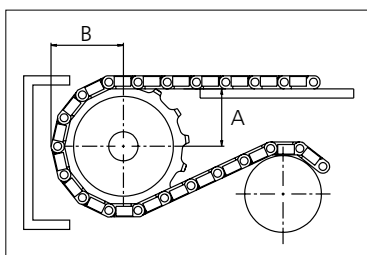
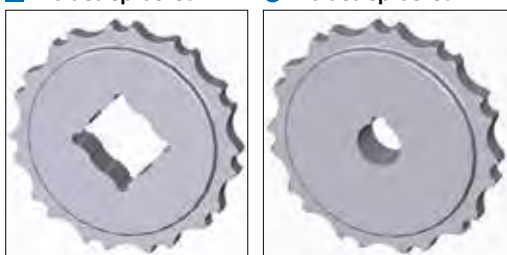
Non Standard material and color: See uni Material and Color Overview.

Sprocket

No of teeth	Bore size													Overall diameter		Pitch-diameter		Hub-diameter		A-dimension		B-dimension		Single row/Two way	Double row/Two way	Molded PA6 LG	Machined PA6 N		
	Pilot bore																												
	mm	in	0.75	0.78	0.98	1.00	1.18	1.25	1.50	1.57	2.36	2.50	3.54	mm	in	mm	in	mm	in	mm	in								
Z07						●	●	●							87.8	3.46	86.0	3.39	65.0	2.56	35.2	1.39	48.3	1.90	x		x		
Z09						●	●	●	■	●					111.4	4.39	110.6	4.35	90.0	3.54	48.0	1.89	60.0	2.36	x		x		
Z10						●	●	●	■	●	■				123.3	4.85	122.7	4.83	100.0	3.94	54.3	2.14	66.0	2.60	x		x		
Z11						●	●	●	■	●	■	■			135.2	5.32	135.0	5.31	110.0	4.33	60.5	2.38	72.0	2.83	x		x		
Z12						●	●	●	■	●	■	■	■		147.2	5.80	147.1	5.79	120.0	4.72	66.7	2.63	78.0	3.07	x		x		
Z15						●	●	●	■	●	■	■	■		183.2	7.21	183.5	7.22	120.0	4.72	85.3	3.36	96.0	3.78	x		x		

■ Molded sprocket

● Molded sprocket



Other sprocket sizes are available upon request.
 Two-part sprocket are available upon request.
 Round bores are always delivered with keyway.
 Other bore sizes are available upon request.
 uni Retainer Rings: See uni Retainer Ring data sheet
 Width of tooth = 11.8 mm (0.47 in)
 Width of sprocket = 23.2 mm (0.91 in)

Max load per sprocket shown does not take bore size into account.
 Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni Light EP.
 For more detailed sprocket information, contact Customer Service.

Non standard material and color: See uni Material and Color Overview.



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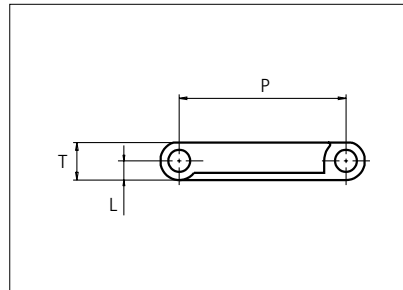
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Plastic Modular Belt

Serie **uni Light EP** Type **46%**



Straight running belt
 Nominal pitch: 38.1 mm (1.50 in)
 Surface type: Flat
 Surface opening: 46%
 Backflex radius: 75.0 mm (3.0 in)
 Pin diameter: \varnothing 5.0 mm (0.20 in)

Recommended Belt material & color	POM-D W		mm	in		mm	in
Recommended Pin and lock material & color	PP W PP W		P (Nominal)	38.1	1.50	T	8.5 0.33
			L	4.3	0.17	-	- -

Non standard material and color: See uni Material and Color Overview.

Alternative materials: Belt: POM-LF and PE Pin: PP **W** PA6.6 **B** PE **W** PBT **LG** and SS304 **W** **B** **G** PP **W**

Belt width		Permissible tensile force (Belt/pin material)						Belt weight (Belt/pin material)						*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-D/PA6.6		PP/PA6.6		PE/PA6.6		POM-D/PA6.6		PP/PA6.6		PE/PA6.6			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft	kg/m	lb/ft			
102	4.0	1046	235	523	118	314	71	0.6	0.39	0.4	0.25	0.4	0.27	2	2	2
153	6.0	1568	353	784	176	470	106	0.9	0.59	0.6	0.38	0.6	0.41	2	2	2
204	8.0	2091	470	1046	235	627	141	1.2	0.78	0.8	0.51	0.8	0.55	2	2	2
255	10.0	2614	588	1307	294	784	176	1.5	0.98	0.9	0.63	1.0	0.69	2	2	2
306	12.0	3137	705	1568	353	941	212	1.7	1.17	1.1	0.76	1.2	0.82	3	3	2
357	14.1	3659	823	1830	411	1098	247	2.0	1.37	1.3	0.89	1.4	0.96	3	3	2
408	16.1	4182	940	2091	470	1255	282	2.3	1.56	1.5	1.01	1.6	1.10	3	3	2
459	18.1	4705	1058	2352	529	1411	317	2.6	1.76	1.7	1.14	1.8	1.23	4	4	2
510	20.1	5228	1175	2614	588	1568	353	2.9	1.95	1.9	1.27	2.0	1.37	4	4	2
561	22.1	5750	1293	2875	646	1725	388	3.2	2.15	2.1	1.39	2.2	1.51	4	4	2
612	24.1	6273	1410	3137	705	1882	423	3.5	2.34	2.3	1.52	2.4	1.65	5	5	3
663	26.1	6796	1528	3398	764	2039	458	3.8	2.54	2.5	1.65	2.7	1.78	5	5	3
714	28.1	7319	1645	3659	823	2196	494	4.1	2.74	2.6	1.78	2.9	1.92	5	5	3

Additional standard belt widths are available in steps of 50.9 mm (2.00 in.) Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in.)

1987	78.2	20367	4578	10183	2289	6110	1374	11.3	7.61	7.4	4.94	7.9	5.34	14	14	7
------	------	-------	------	-------	------	------	------	------	------	-----	------	-----	------	----	----	---

Additional standard belt widths are available in steps of 50.9 mm (2.00 in.) Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in.)

2955	116.3	30289	6809	15144	3404	9087	2043	16.8	11.32	10.9	7.35	11.8	7.94	20	20	10
------	-------	-------	------	-------	------	------	------	------	-------	------	------	------	------	----	----	----

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.

*Max. Load per Drive Sprocket. Belt material: POM-D 1000 N (225 lbf). PP 600 N (135 lbf). PE 600 N (135 lbf)

**Max. Spacing between wear strips. Carry: 152 mm (6 in.); Return: 304 mm (12 in.)



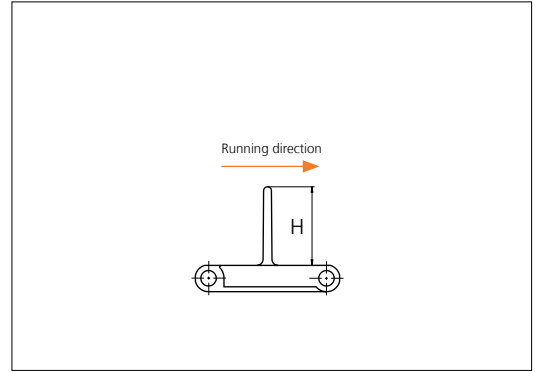
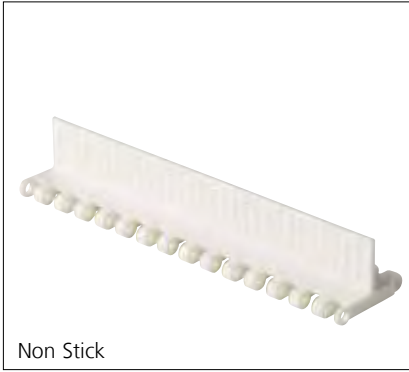
NON STANDARD

STRAIGHT RUNNING

PITCH 38.1 MM/1.50 IN

Accessories

Flight



Type	Recommended Material & color	H		Link size	Width		Indent left/right	
		mm	in		mm	in	mm	in
Non Stick	POM-D W	25.4	1.00	K750	191.0	7.52	0.0	0.00
		50.8	2.00				17.5	0.69
Flat/ Support Ribs	POM-D W	25.4	1.00	K400	101.6	4.00	0.0	0.00
				K600	152.8	6.02	0.0	0.00
		50.8	2.00	K400	101.6	4.00	0.0	0.00
				K600	152.8	6.02	0.0	0.00
76.2	3.00	K600	152.8	6.02	0.0	0.00		

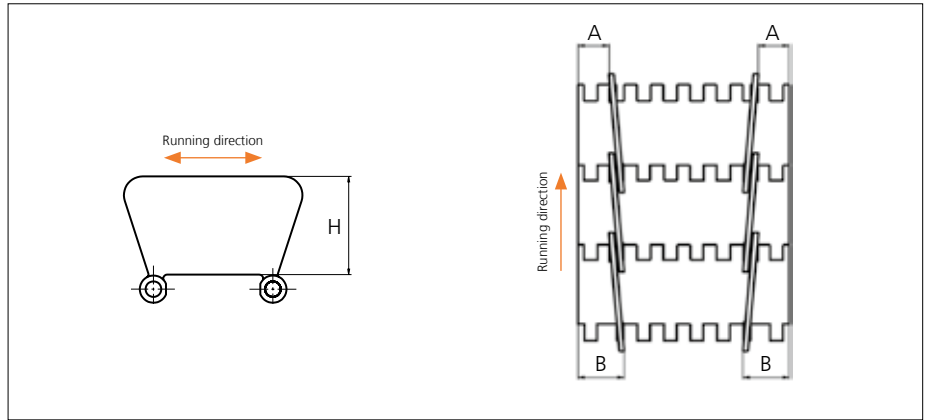
Minimum bricklaid indent for uni Light EP flights is 38.1 mm (1.50 in), increment: 12.7 mm (0.50 in).

Alternative materials: PP-I, PE

Non Standard material and color: See uni Material and Color Overview.

Accessories

Side Guard

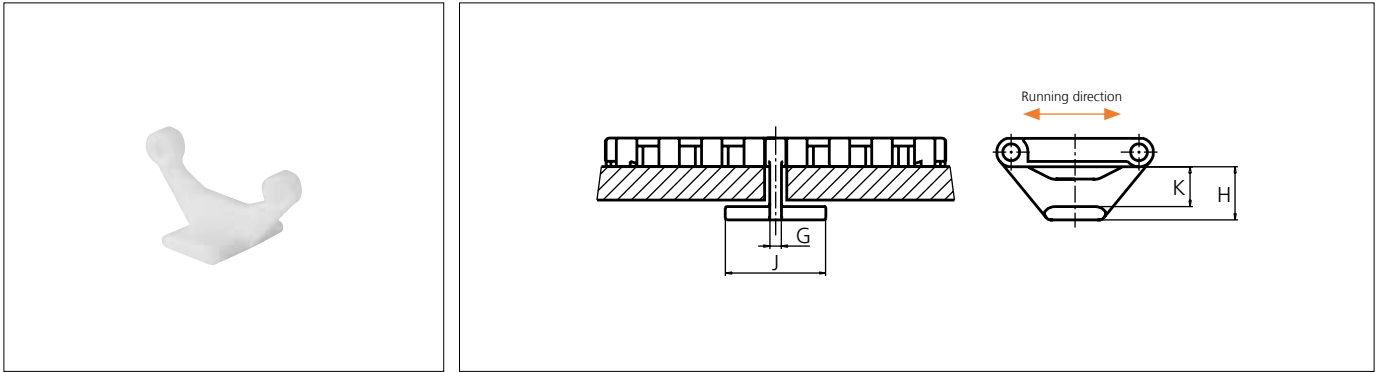


Type	Recommended Material & color	H		A		B	
		mm	in	mm	in	mm	in
Closed	POM-D W	31.7	1.25	15.0	0.59	23.0	0.91

Other Non Standard material and color: See uni Material and Color Overview.

Accessories

Tab

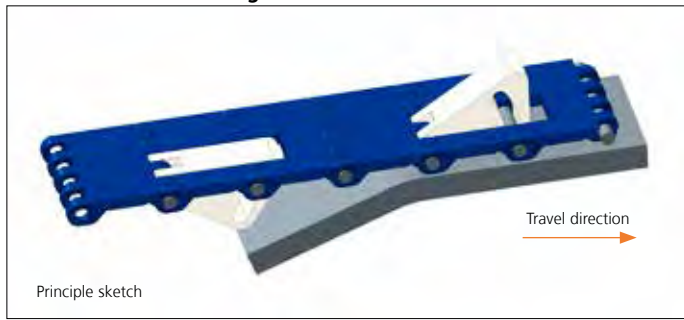


Type	Recommended Material & color	G		J		K		H	
		mm	in	mm	in	mm	in	mm	in
Bottom Hold Down	POM-D W	3.5	0.14	26.0	1.02	12.4	0.49	16.4	0.65

Other Non Standard material and color: See uni Material and Color Overview.

Accessories

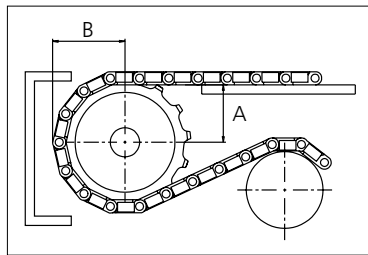
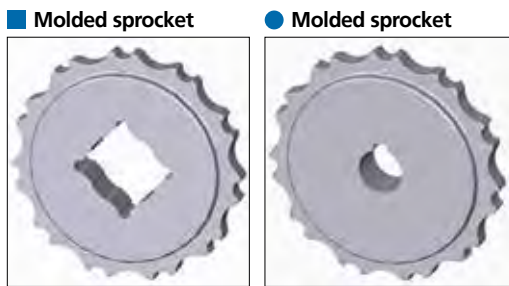
Non Standard uni AmFlight



Other Non Standard option: See uni AmFlight Overview.

Sprocket

No of teeth	Bore size													Overall diameter		Pitch-diameter		Hub-diameter		A-dimension		B-dimension		Single row/Two way	Double row/Two way	Molded PA6 LG	Machined PA6 N
	Pilot bore		Bore size																								
	mm	in	19.1	0.75	0.78	0.98	1.00	1.18	1.25	1.50	1.57	2.36	2.50	3.54	mm	in	mm	in	mm	in	mm	in	x	x	x	x	
Z07						●	●	●						87.8	3.46	86.0	3.39	65.0	2.56	35.2	1.39	48.3	1.90	x		x	
Z09						●	●	●	■	●				111.4	4.39	110.6	4.35	90.0	3.54	48.0	1.89	60.0	2.36	x		x	
Z10						●	●	●	■	■	●			123.3	4.85	122.7	4.83	100.0	3.94	54.3	2.14	66.0	2.60	x		x	
Z11						●	●	●	■	■	■	●		135.2	5.32	135.0	5.31	110.0	4.33	60.5	2.38	72.0	2.83	x		x	
Z12							●	●	●	●	●	●		147.2	5.80	147.1	5.79	120.0	4.72	66.7	2.63	78.0	3.07	x		x	
Z15							●	●	●	●	●	●	●	183.2	7.21	183.5	7.22	120.0	4.72	85.3	3.36	96.0	3.78	x		x	



Other sprocket sizes are available upon request.
 Two-part sprocket are available upon request.
 Round bores are always delivered with keyway.
 Other bore sizes are available upon request.
 uni Retainer Rings: See uni Retainer Ring data sheet
 Width of tooth = 11.8 mm (0.47 in)
 Width of sprocket = 23.2 mm (0.91 in)

Max load per sprocket shown does not take bore size into account.
 Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni Light EP.
 For more detailed sprocket information, contact Customer Service.

Non standard material and color: See uni Material and Color Overview.



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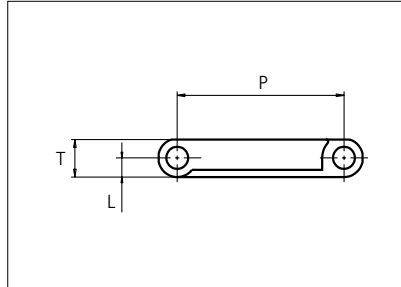
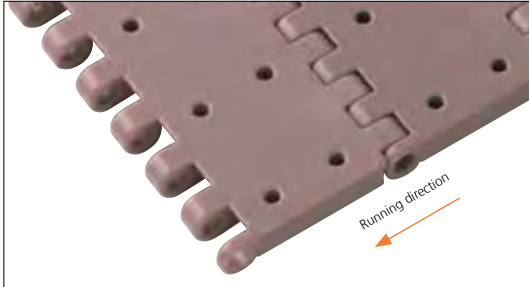
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Plastic Modular Belt

Serie **uni Light EP** Type **Vacuum**



Straight running belt
 Nominal pitch: 38.1 mm (1.50 in)
 Surface type: Flat
 Surface opening: Closed
 Backflex radius: 75.0 mm (3.0 in)
 Pin diameter: \varnothing 3.2 mm (0.13 in)

Recommended Belt material & color	POM-LF BR		mm	in		mm	in
Recommended Pin and lock material & color	PP W PP W		P (Nominal)	38.1	1.50	T	8.5 0.33
			L	4.3	0.17	-	- -

Non standard material and color: See uni Material and Color Overview.

Alternative materials: Belt: POM-LF and PE Pin: PP **W** PA6.6 **B** PE **W** PBT **LG** and SS304 PP **W** **B** **G** PP **W**

Belt width		Permissible tensile force (Belt/pin material)						Belt weight (Belt/pin material)						*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-D/PA6.6		PP/PA6.6		PE/PA6.6		POM-D/PA6.6		PP/PA6.6		PE/PA6.6			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft	kg/m	lb/ft			
102	4,0	1046	235	523	118	314	71	0,6	0,39	0,4	0,25	0,4	0,27	2	2	2
153	6,0	1568	353	784	176	470	106	0,9	0,59	0,6	0,38	0,6	0,41	2	2	2
204	8,0	2091	470	1046	235	627	141	1,2	0,78	0,8	0,51	0,8	0,55	2	2	2
255	10,0	2614	588	1307	294	784	176	1,5	0,98	0,9	0,63	1,0	0,69	2	2	2
306	12,0	3137	705	1568	353	941	212	1,7	1,17	1,1	0,76	1,2	0,82	3	3	2
357	14,1	3659	823	1830	411	1098	247	2,0	1,37	1,3	0,89	1,4	0,96	3	3	2
408	16,1	4182	940	2091	470	1255	282	2,3	1,56	1,5	1,01	1,6	1,10	3	3	2
459	18,1	4705	1058	2352	529	1411	317	2,6	1,76	1,7	1,14	1,8	1,23	4	4	2
510	20,1	5228	1175	2614	588	1568	353	2,9	1,95	1,9	1,27	2,0	1,37	4	4	2
561	22,1	5750	1293	2875	646	1725	388	3,2	2,15	2,1	1,39	2,2	1,51	4	4	2
612	24,1	6273	1410	3137	705	1882	423	3,5	2,34	2,3	1,52	2,4	1,65	5	5	3
663	26,1	6796	1528	3398	764	2039	458	3,8	2,54	2,5	1,65	2,7	1,78	5	5	3
714	28,1	7319	1645	3659	823	2196	494	4,1	2,74	2,6	1,78	2,9	1,92	5	5	3

Additional standard belt widths are available in steps of 50.9 mm (2.00 in.) Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in.)

1987	78,2	20367	4578	10183	2289	6110	1374	11,3	7,61	7,4	4,94	7,9	5,34	14	14	7
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Additional standard belt widths are available in steps of 50.9 mm (2.00 in.) Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in.)

2955	116,3	30289	6809	15144	3404	9087	2043	16,8	11,32	10,9	7,35	11,8	7,94	20	20	10
------	-------	-------	------	-------	------	------	------	------	-------	------	------	------	------	----	----	----

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.

*Max. Load per Drive Sprocket. Belt material: POM-D 1000 N (225 lbf), PP 600 N (135 lbf), PE 600 N (135 lbf)

**Max. Spacing between wear strips, Carry: 152 mm (6 in.); Return: 304 mm (12 in.)



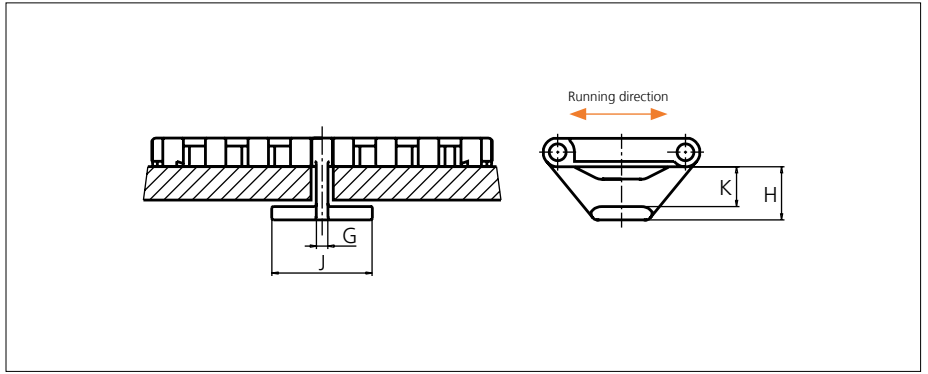
NON STANDARD

STRAIGHT RUNNING

PITCH 38.1 MM/1.50 IN

Accessories

Tab

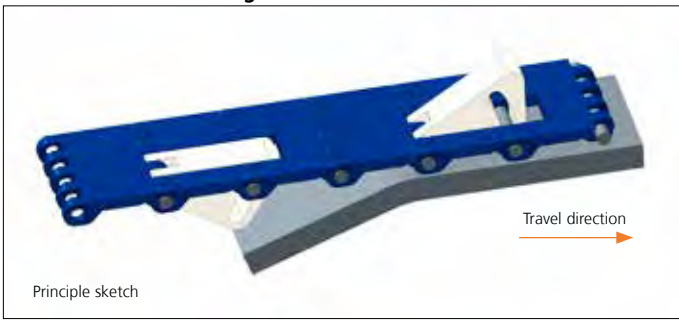


Type	Recommended Material & color	G		J		K		H	
		mm	in	mm	in	mm	in	mm	in
Bottom Hold Down	POM-D W	3.5	0.14	26.0	1.02	12.4	0.49	16.4	0.65

Other Non Standard material and color: See uni Material and Color Overview.

Accessories

Non Standard uni AmFlight



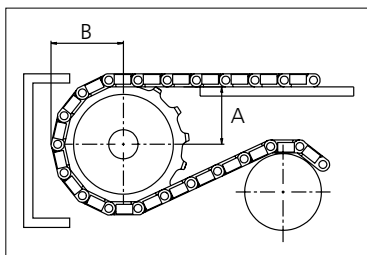
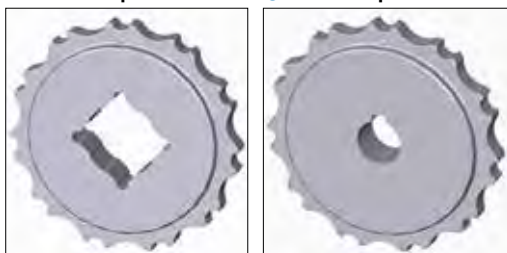
Other Non Standard option: See uni AmFlight Overview.

Sprocket

No of teeth	Bore size													Overall diameter		Pitch-diameter		Hub-diameter		A-dimension		B-dimension		Single row/Two way	Double row/Two way	Material	
	Pilot bore		19.1	20.0	25.0	25.4	30.0	31.8	38.1	40.0	60.0	63.5	90.0													mm	in
	mm	in												PA6	PA6 LG												
Z07						●	●	●					87.8	3.46	86.0	3.39	65.0	2.56	35.2	1.39	48.3	1.90	x		x		
Z09						●	●	●	■	●			111.4	4.39	110.6	4.35	90.0	3.54	48.0	1.89	60.0	2.36	x		x		
Z10						●	●	●	■	●	■		123.3	4.85	122.7	4.83	100.0	3.94	54.3	2.14	66.0	2.60	x		x		
Z11						●	●	●	■	●	■	■	135.2	5.32	135.0	5.31	110.0	4.33	60.5	2.38	72.0	2.83	x		x		
Z12						●	●	●	■	●	■	■	147.2	5.80	147.1	5.79	120.0	4.72	66.7	2.63	78.0	3.07	x		x		
Z15						●	●	●	■	●	■	■	183.2	7.21	183.5	7.22	120.0	4.72	85.3	3.36	96.0	3.78	x		x		

■ Molded sprocket

● Molded sprocket



Other sprocket sizes are available upon request.
 Two-part sprocket are available upon request.
 Round bores are always delivered with keyway.
 Other bore sizes are available upon request.
 uni Retainer Rings: See uni Retainer Ring data sheet
 Width of tooth = 11.8 mm (0.47 in)
 Width of sprocket = 23.2 mm (0.91 in)

Max load per sprocket shown does not take bore size into account.
 Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni Light EP.
 For more detailed sprocket information, contact Customer Service.

Non standard material and color: See uni Material and Color Overview.



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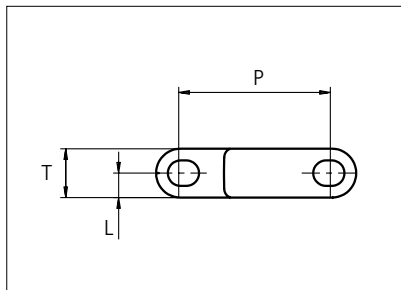
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Plastic Modular Belt

Serie **uni L-SNB** Type **36%**



Straight Running
 Nominal pitch: 50.0 mm (1.97 in)
 Surface type: Flat
 Surface opening: 36%
 Backflex radius: 70.0 mm (2.80 in)
 Pin diameter: 8.0 mm (0.31 in)

Belt material & color	PP W	PP N	mm	in	mm	in		
	Pin and lock material & color	PP W PP W	PP W PP N	P (Nominal)	50.0	1.97	L	8.0
			T	16.0	0.63	-	-	-

Non standard material and color: See uni Material and Color Overview.

Alternative pin and lock materials: Pin: PE **W** SS304 PP **G**

Belt width		Permissible tensile force (Belt/pin material)		Belt weight (Belt/pin material)		*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		PP		PP			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	kg/m	lb/ft			
153	6.0	2678	602	1.5	1.01	2	2	2
229	9.0	4009	901	2.2	1.51	2	2	2
305	12.0	5340	1200	3.0	2.01	3	3	2
381	15.0	6671	1500	3.7	2.51	3	3	2
457	18.0	8003	1799	4.5	3.01	4	4	2
533	21.0	9334	2098	5.2	3.51	4	4	2
609	24.0	10665	2398	6.0	4.01	5	5	3
686	27.0	11996	2697	6.7	4.51	5	5	3
762	30.0	13328	2996	7.5	5.02	6	6	3
838	33.0	14659	3295	8.2	5.52	6	6	3
914	36.0	15990	3595	9.0	6.02	7	7	4
990	39.0	17322	3894	9.7	6.52	7	7	4

Additional standard belt widths are available in steps of 76.1 mm (3.00 in).

1980	78.0	34650	7789	19.4	13.04	14	14	7
------	------	-------	------	------	-------	----	----	---

Additional standard belt widths are available in steps of 76.1 mm (3.00 in).

2969	116.9	51958	11680	29.1	19.55	20	20	10
------	-------	-------	-------	------	-------	----	----	----

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.

*Max. Load per Drive Sprocket. Belt material PP with snub roller 2000 N (450 lbf), PP without snub roller 1250 N (281 lbf)

**Max. Spacing between wear strips, Carry: 152 mm (6 in); Return: 304 mm (12 in)

***Load capacity per row of reinforcement links in the belt: 2500 N (562 lbf)

***Example: Belt with 8 rows of reinforcement links, permissible load is 8 x 2500 N (562 lbf) = 20000 N (4496 lbf)

= Single Link



STANDARD

STRAIGHT RUNNING

PITCH 50.0 MM/1.97 IN

Accessories

Reinforcement Link



The use of uni-chains belts with the SS reinforcement /pitch control links in blanchers, cookers and other high temperature applications will reduce belt elongation due to temperature by more than 90%. This will simplify the belt take-up system and reduce maintenance.

uni-chains recommends three reinforcement links per K1200 module.

Note: Reinforcement links require the use of SS pins.

Type	Material & color	N/row	Lbf/row
Steel Link	SS316	2500	562

Non Standard material and color: See uni Material and Color Overview.

Sprocket

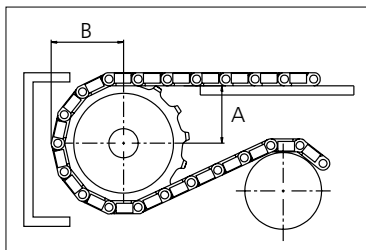
No of teeth	Bore size													Overall diameter		Pitch-diameter		Hub-diameter		A-dimension		B-dimension		Single row/One way	Double row/Two way	Material	
	Pilot bore		19.1	20.0	25.0	25.4	30.0	31.8	38.1	40.0	60.0	63.5	90.0													mm	in
	mm	in												PA6	PA6 LG												
Z06	x					●	●	■	●					92.5	3.64	100.0	3.94	70.0	2.76	35.3	1.39	58.0	2.28	x		x	
Z08	x					●	●	■	●					128.7	5.07	130.7	5.15	70.0	2.76	52.4	2.06	73.3	2.89	x		x	
Z10	x					●	●	■	●					159.8	6.29	161.8	6.37	70.0	2.76	68.9	2.71	88.9	3.50	x		x	
Z10												■		159.8	6.29	161.8	6.37	120.0	4.72	68.9	2.71	88.9	3.50	x			x
Z12	x					●		■	●					192.5	7.58	193.2	7.61	70.0	2.76	85.3	3.36	104.6	4.12	x		x	
Z12												■		192.5	7.58	193.2	7.61	120.0	4.72	85.3	3.36	104.6	4.12	x			x
Z16	x					●		■	●			■		257.3	10.13	256.3	10.09	120.0	4.72	117.7	4.63	126.1	4.96	x			x

■ Molded sprocket

● Molded sprocket

■ Machined sprocket

● Machined sprocket



Other sprocket sizes are available upon request.
 Two-part sprocket are available upon request.
 Round bores are always delivered with keyway.
 Other bore sizes are available upon request.
 uni Retainer Rings: See uni Retainer Ring data sheet
 Width of tooth = 7.0 mm (0.28 in)
 Width of sprocket = 42.3 mm (1.67 in)

Max load per sprocket shown does not take bore size into account.
 Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni L-SNB.
 For more detailed sprocket information, contact Customer Service.

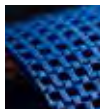
Non standard material and color: See uni Material and Color Overview.



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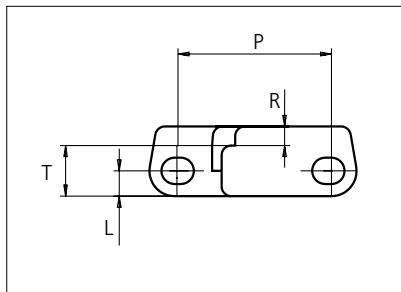
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Plastic Modular Belt

Serie **uni L-SNB** Type **Rib 36%**



Straight running belt
 Nominal pitch: 50.0 mm (1.97 in)
 Surface type: Rib Top
 Surface opening: 36%
 Backflex radius: 140.0 mm (5.50 in)
 Pin diameter: \varnothing 8.0 mm (0.31 in)

Belt material & color	POM-LF BR	PP G	PP-HW LB	mm	in	mm	in		
Pin and lock material & color	PP W	PP G	PP-HW LB	P (Nominal)	50.0	1.97	T	16.0	0.63
				R	6.0	0.23	L	8.0	0.31

Non standard material and color: See uni Material and Color Overview.

Alternative pin and lock materials: Pin: PE **W** SS304

Belt width		Permissible tensile force (Belt/pin material)				Belt weight (Belt/pin material)				*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		PP/PP		POM/LF-PP		PP/PP		POM/LF-PP			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft			
153	6.0	4559	1025	8415	1892	1.5	1.01	2.3	1.52	2	2	2
229	9.0	6826	1535	12599	2832	2.2	1.51	3.4	2.28	2	2	2
305	12.0	9093	2044	16783	3773	3.0	2.01	4.5	3.04	3	3	2
381	15.0	11360	2554	20967	4713	3.7	2.51	5.6	3.79	3	3	2
457	18.0	13627	3063	25151	5654	4.5	3.01	6.8	4.55	4	4	2
533	21.0	15894	3573	29335	6595	5.2	3.51	7.9	5.31	4	4	2
609	24.0	18161	4083	33519	7535	6.0	4.01	9.0	6.06	5	5	3
686	27.0	20428	4592	37703	8476	6.7	4.51	10.1	6.82	5	5	3
762	30.0	22695	5102	41887	9416	7.5	5.02	11.3	7.57	6	6	3
838	33.0	24962	5611	46071	10357	8.2	5.52	12.4	8.33	6	6	3
914	36.0	27229	6121	50255	11297	9.0	6.02	13.5	9.09	7	7	4
990	39.0	29496	6631	54439	12238	9.7	6.52	14.6	9.84	7	7	4

Additional standard belt widths are available in steps of 76.1 mm (3.00 in.)

1980	78.0	59004	13264	108900	24481	19.4	13.04	29.3	19.69	14	14	7
------	------	-------	-------	--------	-------	------	-------	------	-------	----	----	---

Additional standard belt widths are available in steps of 76.1 mm (3.00 in.)

2969	116.9	88476	19889	163295	36709	29.1	19.55	43.9	29.53	20	20	10
------	-------	-------	-------	--------	-------	------	-------	------	-------	----	----	----

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.

*Max. Load per Drive Sprocket. Belt material: PP-HW with snub roller 2000 N (450 lbf), PP-HW without snub roller 1250 N (281 lbf)

**Max. Spacing between wear strips, Carry: 152 mm (6 in.) ; Return: 304 mm (12 in.)

***Load capacity per row of reinforcement links in the belt: 2500 N (562 lbf)

***Example: Belt with 8 rows of reinforcement links, permissible load is 8 x 2500 N (562 lbf) = 20000 N (4496 lbf)

= Single Link



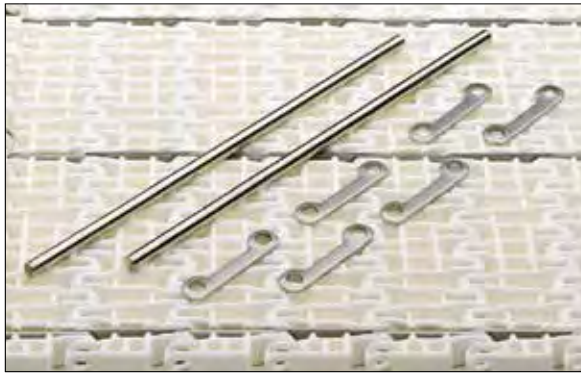
STANDARD

STRAIGHT RUNNING

PITCH 50.0 MM/1.97 IN

Accessories

Reinforcement Link



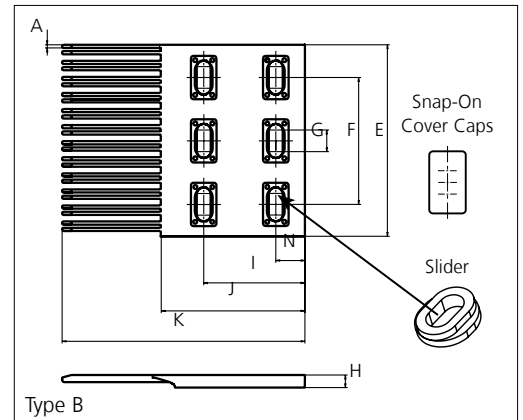
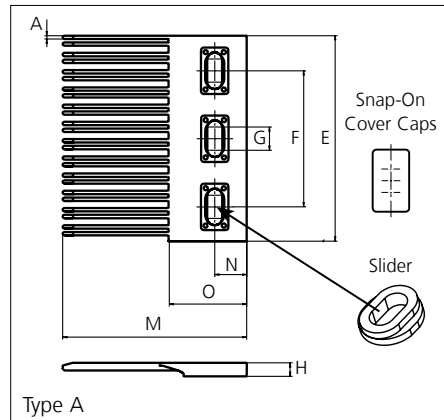
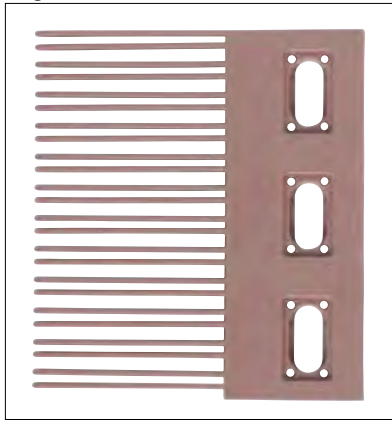
The use of uni-chains belts with the SS reinforcement /pitch control links in blanchers, cookers and other high temperature applications will reduce belt elongation due to temperature by more than 90%. This will simplify the belt take-up system and reduce maintenance. uni-chains recommends three reinforcement links per K1200 module.
Note: Reinforcement links require the use of SS pins.

Type	Material & color	N/row	Lbf/row
Steel Link	SS316	2500	562

Non Standard material and color: See uni Material and Color Overview.

Accessories

Finger Plates



Type	Material & color	A		E		F		G							
		mm	in	mm	in	mm	in	mm	in						
Single Sided 150x149	POM-LF BR POM-DI G	2.5	0.10	152.1	5.99	100.3	3.95	12.0	0.47						
Single Sided 120x149															
		H		I		J		K		M		N		O	
		mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in
		10.0	0.39	80.0	3.15	114.0	4.49	192.0	7.56	135.0	5.31	23.0	0.91	57.0	6.18

All uni-chains belt systems are available in a raised rib version that can be supplied with matching finger plates, also called combs.

The finger plates are supplied with cover caps which can be attached when the finger plate has been installed. The cover caps can be removed by using a screwdriver that can be inserted between the cover and finger plate. In order to adjust to belt width variations caused by temperature fluctuations, a slider facilitates the sideways movement of the finger plates.

Non Standard material and color: See uni Material and Color Overview.

Sprocket

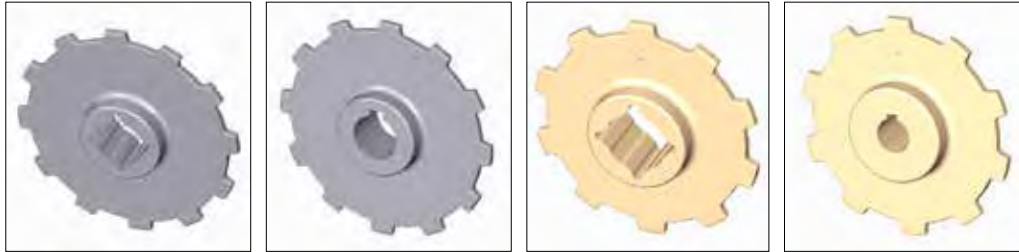
No of teeth	Bore size													Overall diameter		Pitch-diameter		Hub-diameter		A-dimension		B-dimension		Single row/One way	Double row/Two way	Material		
	Pilot bore	mm	in	0.75	0.78	0.98	1.00	1.18	1.25	1.50	1.57	2.36	2.50													3.54	mm	in
														PA6	PA6 LG													
Z06	x							●	●	■	●				92.5	3.64	100.0	3.94	70.0	2.76	35.3	1.39	58.0	2.28	x		x	
Z08	x							●	●	■	●				128.7	5.07	130.7	5.15	70.0	2.76	52.4	2.06	73.3	2.89	x		x	
Z10	x							●	●	■	●				159.8	6.29	161.8	6.37	70.0	2.76	68.9	2.71	88.9	3.50	x		x	
Z10													■	159.8	6.29	161.8	6.37	120.0	4.72	68.9	2.71	88.9	3.50	x			x	
Z12	x							●		■	●				192.5	7.58	193.2	7.61	70.0	2.76	85.3	3.36	104.6	4.12	x		x	
Z12													■	192.5	7.58	193.2	7.61	120.0	4.72	85.3	3.36	104.6	4.12	x			x	
Z16	x							●	■	●			■	257.3	10.13	256.3	10.09	120.0	4.72	117.7	4.63	126.1	4.96	x			x	

■ Molded sprocket

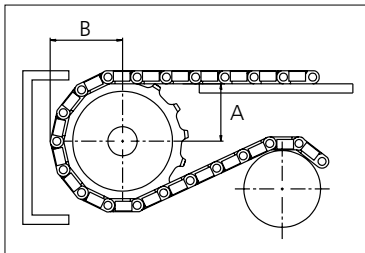
● Molded sprocket

■ Machined sprocket

● Machined sprocket



Non standard material and color: See uni Material and Color Overview.



Other sprocket sizes are available upon request.
 Two-part sprocket are available upon request.
 Round bores are always delivered with keyway.
 Other bore sizes are available upon request.
 uni Retainer Rings: See uni Retainer Ring data sheet
 Width of tooth = 7.0 mm (0.28 in)
 Width of sprocket = 42.3 mm (1.67 in)

Max load per sprocket shown does not take bore size into account.
 Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni L-SNB.
 For more detailed sprocket information, contact Customer Service.



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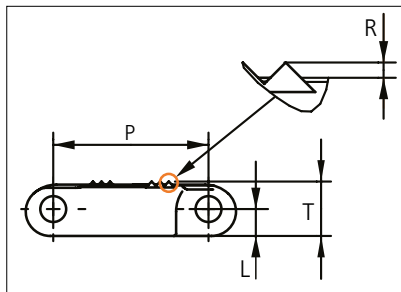
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Plastic Modular Belt

Series **uni LPB** Type **Rough** Material **POM-NLAS**



Straight running belt
 Nominal pitch: 25.4 mm (1.00 in)
 Surface type: Rough (R10)
 Surface opening: Closed
 Backflex radius: 25.0 mm (0.98 in)
 Pin diameter: 4.0 mm (0.16 in)

Belt material & color	POM-NLAS K		mm	in		mm	in
		P (Nominal)	25.4	1.00	R	0.9	0.04
Pin material & color	PA6.6 B						
		L	4.4	0.17	T	8.9	0.35

Non standard material and color: See uni Material and Color Overview.

Alternative pin and lock materials: Lockpin: PBT **LG**

Belt width		Permissible tensile force (Belt/pin material)		***Belt weight (Belt/pin material)		Min No drive sprocket per shaft	Number of wear strips (min no)	
		POM-NLAS/PA66		POM-NLAS/PA66			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	Kg/m	lb/ft			
153	6.0	5355	1204	1.0	0.68	2	1	1
229	9.0	8015	1802	1.5	1.02	2	1	1
305	12.0	10675	2400	2.0	1.35	3	3	2
381	15.0	13335	2998	2.5	1.69	3	3	2
457	18.0	15995	3596	3.0	2.03	4	4	2
533	21.0	18655	4194	3.5	2.36	4	4	2
609	24.0	21315	4792	4.0	2.70	5	5	3
685	27.0	23975	5390	4.5	3.04	5	5	3
761	30.0	26635	5988	5.0	3.38	6	6	3
837	33.0	29295	6586	5.5	3.71	6	6	3
913	35.9	31955	7183	6.0	4.05	7	7	4
989	38.9	34615	7781	6.5	4.39	7	7	4

Additional standard belt widths are available in steps of 76.0 mm (2.99 in). Additional non-standard belt widths are available in steps of 76.0 mm (2.99 in).

1978	77.9	69230	15563	13.1	8.77	14	14	7
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Additional standard belt widths are available in steps of 76.0 mm (2.99 in). Additional non-standard belt widths are available in steps of 76.0 mm (2.99 in).

2966	116.8	103810	23336	19.6	13.16	20	20	10
------	-------	--------	-------	------	-------	----	----	----

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.

*Max. Load per Drive Sprocket. Belt material: POM-NLAS 2300 N (517 lbf).

**Full Carry way support (FS) deck of wearstrip material recommended for safe walk belts.

***Return belt support via free running gravity rollers recommended to avoid marking safe walk belt surface.

Surface grip in material NLAS (R10).

□ = Single Link



STANDARD

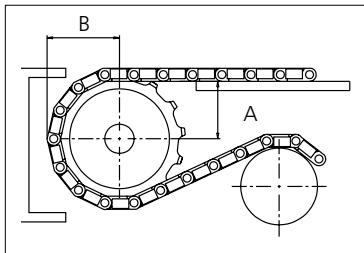
STRAIGHT RUNNING

PITCH 25.4 MM/1.00 IN

Sprocket

No of teeth	Bore size									Overall diameter		Pitch-diameter		Hub-diameter		A-dimension		B-dimension		Single row/Two way	Double row/Two way	Molded PA6 LG	Machined PA6 N
	Pilot bore	in	1.00	1.18	1.25	1.50	1.57	2.36	2.50														
	mm	25.4	30.0	31.8	38.1	40.0	60.0	63.5	mm	in	mm	in	mm	in	mm	in	mm	in					
Z10	x		●	●	●	■	●			80.3	3.16	82.2	3.24	65.0	2.56	34.7	1.36	45.5	1.79	x		x	
Z12	x		●	●	●	■	●			96.8	3.81	98.1	3.86	70.0	2.76	43.0	1.69	53.5	2.11	x		x	
Z15	x			●	●	●	●	■	■	121.5	4.78	122.2	4.81	¹ 70.0 ² 100.0 ² 104.0	2.76 3.94 4.09	55.4	2.18	65.5	2.58	x		x	
Z18	x			●	●	●	●	■	■	146.0	5.75	146.3	5.76	¹ 70.0 ² 104.0 ¹ 120.0	2.76 4.09 4.72	67.6	2.66	77.5	3.05	x		x	
Z19	x			●	●	●	■	■	■	154.2	6.07	154.3	6.07	¹ 70.0 ¹ 120.0	2.76 4.72	71.7	2.82	81.6	3.21	x		x	

● Moulded sprocket ■ Moulded sprocket ■ Moulded sprocket



Same sprocket type as for the uni QNB serie.
Other sprocket sizes are available upon request.
Two-part sprockets are available upon request.
Round bores are always delivered with keyway.
Other bore sizes are available upon request.
uni Retainer Rings: See uni Retainer Ring data sheet.
Width of tooth = 10.0 mm (0.39 in)
Width of sprocket = 25.0 mm (0.98 in)

Max load per sprocket shown does not take bore size into account.
Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni LPB.
For more detailed sprocket information, contact Customer Service.

Non standard material and color: See uni Material and Color Overview.

uni LPB Rough/141222



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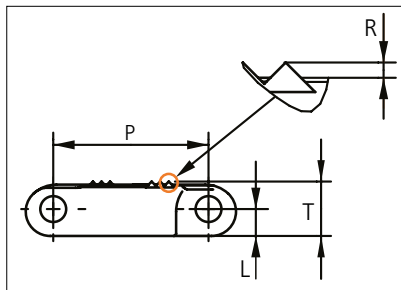
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Plastic Modular Belt

Series **uni LPB** Type **Rough** Material **POX-FREC**



Straight running belt
 Nominal pitch: 25.4 mm (1.00 in)
 Surface type: Rough (R11)
 Surface opening: Closed
 Backflex radius: 25.0 mm (0.98 in)
 Pin diameter: 4.0 mm (0.16 in)

Belt material & color	POX-FREC K		mm	in		mm	in
		P (Nominal)	25.4	1.00	R	0.9	0.04
Pin material & color	PA6.6 B						
		L	4.4	0.17	T	8.9	0.35

Non standard material and color: See uni Material and Color Overview.

Alternative pin and lock materials: Lockpin: PBT **LG**

Belt width		Permissible tensile force (Belt/pin material)		***Belt weight (Belt/pin material)		Min No drive sprocket per shaft	Number of wear strips (min no)	
		POX-FREC/PA66		POX-FREC/PA66			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	Kg/m	lb/ft			
153	6.0	3481	782	1.0	0.65	2	1	1
229	9.0	5210	1171	1.4	0.97	2	1	1
306	12.0	6962	1565	1.9	1.30	3	3	2
382	15.0	8691	1954	2.4	1.62	3	3	2
458	18.0	10420	2342	2.9	1.94	4	4	2
534	21.0	12149	2731	3.4	2.26	4	4	2
611	24.1	13900	3125	3.8	2.59	5	5	3
687	27.0	15629	3513	4.3	2.91	5	5	3
763	30.0	17358	3902	4.8	3.23	6	6	3
839	33.0	19087	4291	5.3	3.55	6	6	3
916	36.1	20839	4685	5.8	3.88	7	7	4
992	39.1	22568	5073	6.2	4.20	7	7	4

Additional standard belt widths are available in steps of 76.5 mm (3.01 in). Additional non-standard belt widths are available in steps of 76.5 mm (3.01 in).

1983	78.1	45113	10141	12.5	8.40	14	14	7
------	------	-------	-------	------	------	----	----	---

Additional standard belt widths are available in steps of 76.5 mm (3.01 in). Additional non-standard belt widths are available in steps of 76.5 mm (3.01 in).

2974	117.1	67659	15210	18.7	12.59	20	20	10
------	-------	-------	-------	------	-------	----	----	----

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.

*Max. Load per Drive Sprocket. Belt material: POX-FREC 2300 N (517 lbf).

**Full Carry way support (FS) deck of wearstrip material recommended for safe walk belts.

***Return belt support via free running gravity rollers recommended to avoid marking safe walk belt surface.

Surface grip in material POX-FREC (R11).

□ = Single Link



STANDARD

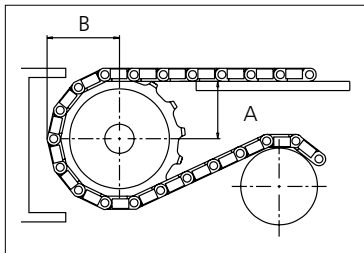
STRAIGHT RUNNING

PITCH 25.4 MM/1.00 IN

Sprocket

No of teeth	Bore size									Overall diameter		Pitch-diameter		Hub-diameter		A-dimension		B-dimension		Single row/Two way	Double row/Two way	Molded PA6 LG	Machined PA6 N
	Pilot bore	in	1.00	1.18	1.25	1.50	1.57	2.36	2.50														
	mm	25.4	30.0	31.8	38.1	40.0	60.0	63.5	mm	in	mm	in	mm	in	mm	in	mm	in					
Z10	x		●	●	●	■	●			80.3	3.16	82.2	3.24	65.0	2.56	34.7	1.36	45.5	1.79	x		x	
Z12	x		●	●	●	■	●			96.8	3.81	98.1	3.86	70.0	2.76	43.0	1.69	53.5	2.11	x		x	
Z15	x			●	●	●	■	●	■	121.5	4.78	122.2	4.81	¹ 70.0 ² 100.0 ² 104.0	2.76 3.94 4.09	55.4	2.18	65.5	2.58	x		x	
Z18	x			●	●	●	■	●	■	146.0	5.75	146.3	5.76	¹ 70.0 ² 104.0 ¹ 120.0	2.76 4.09 4.72	67.6	2.66	77.5	3.05	x		x	
Z19	x			●	●	●	■	●	■	154.2	6.07	154.3	6.07	¹ 70.0 ¹ 120.0	2.76 4.72	71.7	2.82	81.6	3.21	x		x	

● Moulded sprocket ■ Moulded sprocket ■ Moulded sprocket



Same sprocket type as for the uni QNB serie.
Other sprocket sizes are available upon request.
Two-part sprockets are available upon request.
Round bores are always delivered with keyway.
Other bore sizes are available upon request.
uni Retainer Rings: See uni Retainer Ring data sheet.
Width of tooth = 10.0 mm (0.39 in)
Width of sprocket = 25.0 mm (0.98 in)

Max load per sprocket shown does not take bore size into account.
Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni LPB.
For more detailed sprocket information, contact Customer Service.

Non standard material and color: See uni Material and Color Overview.

uni LPB Rough/1403



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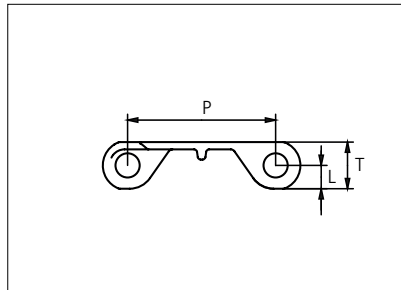
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Plastic Modular Belt

Series **uni ULB** Type **C**



Straight running belt
 Nominal pitch: 50.8 mm (2.00 in)
 Surface type: Flat
 Surface opening: Closed
 Backflex radius: 65.0 mm (2.6 in)
 Pin diameter: 8 mm (0.31 in)

Belt material & color	POM-D W B	PP-I W B	PE-I N B	P (Nominal)	mm	in	T	mm	in
					50.8	2.00		16.0	0.63
Pin material & color	PP W		PE W	L	8.0	0.31	-	-	-

Non standard material and color: See uni Material and Color Overview.

Belt width		Permissible tensile force (Belt/pin material)						Belt weight (Belt/pin material)						*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-D/PA66		PP-I/PP		PE-I/PE		POM-D/PA66		PP-I/PP		PE-I/PE			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	N	lbf	N	lbf	Kg/m	lb/ft	Kg/m	lb/ft	Kg/m	lb/ft			
151	5.9	861	193	468	105	453	102	1.0	0.71	0.7	0.47	0.7	0.50	2	2	2
302	11.9	1721	387	936	210	906	204	2.1	1.41	1.4	0.93	1.5	0.99	3	3	2
453	17.8	2582	580	1404	316	1359	306	3.1	2.12	2.1	1.40	2.2	1.49	4	4	2
604	23.8	3443	774	1872	421	1812	407	4.2	2.82	2.8	1.87	3.0	1.99	5	5	3
755	29.7	4304	967	2341	526	2265	509	5.2	3.53	3.5	2.33	3.7	2.49	6	6	3
906	35.7	5164	1161	2809	631	2718	611	6.3	4.23	4.2	2.80	4.4	2.98	7	7	4
1057	41.6	6025	1354	3277	737	3171	713	7.3	4.94	4.9	3.27	5.2	3.48	8	8	4
1208	47.6	6886	1548	3745	842	3624	815	8.4	5.64	5.6	3.73	5.9	3.98	9	9	5
1359	53.5	7746	1741	4213	947	4077	917	9.4	6.35	6.3	4.20	6.7	4.48	10	10	5
1510	59.4	8607	1935	4681	1052	4530	1018	10.5	7.05	6.9	4.67	7.4	4.97	11	11	6
1661	65.4	9468	2128	5149	1158	4983	1120	11.5	7.76	7.6	5.13	8.1	5.47	12	12	6

Additional standard belt widths are available in steps of 151.0 mm (5.94 in).

1963	77.3	11189	2515	6085	1368	5889	1324	13.6	9.17	9.0	6.07	9.6	6.46	14	14	7
------	------	-------	------	------	------	------	------	------	------	-----	------	-----	------	----	----	---

General belt tolerance is +0/-0.4% at 23°C/73°F. For exact belt width contact Customer Service. Non standard belt width on request.

The belt width in PP-I is 0.3 % wider than the belt width in the table

*Max. Load per Drive Sprocket. Belt material: POM-DI with snub roller 1000 N (225 lbf) without snub roller 625 N (140 lbf).

**Max. Spacing between wear strips, Carry: 152 mm (6 in); Return: 304 mm (12 in).

= Single Link



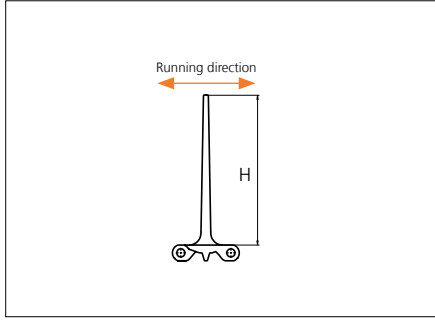
STANDARD

STRAIGHT RUNNING

PITCH 50.8 MM/2.00 IN

Accessories

Flight



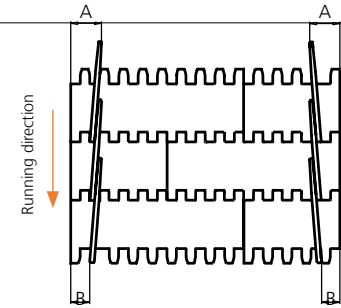
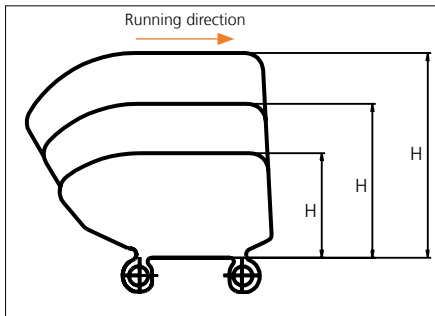
Type	Material & color	H		Link size	Width		Indent both sides			
		mm	in		mm	in	mm	in		
Flat	PE-I	5.0	0.20	K600	151.0	5.94	3.0	0.12		
	PP-I	10.0	0.39							
	PE-I									
	POM-D PP-I PE-I	25.4	1.00				0.0	0.0		
		50.8	2.00							
		76.2	3.00							
		101.6	4.00							
		101.6	4.00						34.0*	1.34
		152.4	6.00						0.0	0.00

*Indent only in one side.

Depending on height and spacing the use of product supports may influence the backflex radius. Other flights are available: see uni MPB Flights datasheet.

Accessories

Side Guard

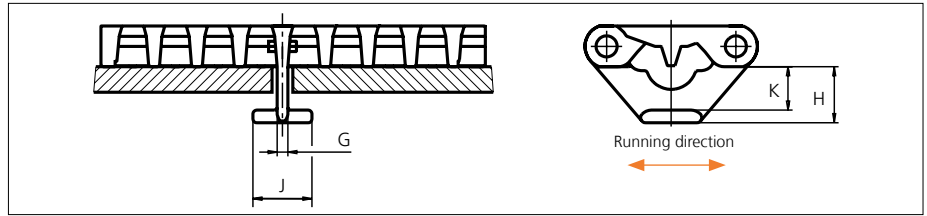


Type	Side Guard Material & color	H		A		B	
		mm	in	mm	in	mm	in
Closed	PE-I	50.8	2.00	32.0	1.26	16.0	0.63
	PP-I	76.2	3.00				
	101.6	4.00					

*34.0 mm (1.34 in) combined with flight. Increment: 8.4 mm (0.33 in).
 Note: Backflex radius when Side Guards are used: 200.0 mm (7.90 in)

Accessories

Tab



Type	Tab Material & color	G		J		K		H	
		mm	in	mm	in	mm	in	mm	in
Bottom Hold Down	POM-DI w	4.2	0.17	23.2	0.91	17.0	0.67	22.0	0.87

Note: When using tabs, please verify sufficient clearance to the shaft. Max. shaft diameter = Sprocket pitch diameter - 63.5 mm (2.50 in). When using square shafts, please verify that the diagonal does not exceed max. diameter. Example: Sprocket z = 6: Max. shaft diameter 101.6 - 63.5 = ø38.1 mm (4.00 - 2.50 = ø1.4 in).

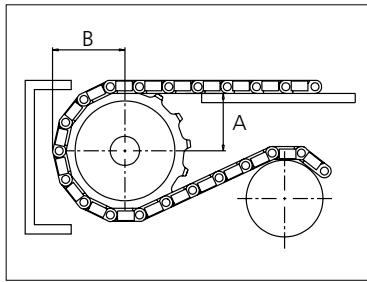
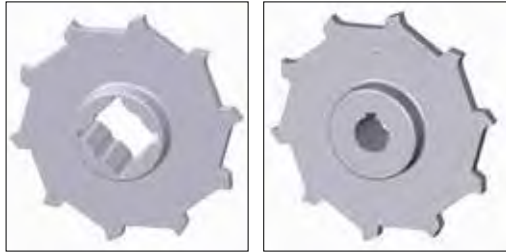
Note: When using a belt system with tabs, the temperature should be constant. Please note that the tabs are not always placed in the middle of the belt.

Non Standard material and color: See uni Material and Color Overview.

Sprocket

No. of teeth	Bore size													Overall diameter		Pitch diameter		Hub diameter		Dimension A		Dimension B		Single row/One way	PA6 LG		PA6 N	
	Pilot bore		0.75	0.78	0.98	1.00	1.18	1.25	1.50	1.57	2.36	2.50	3.54												Molded	Machined	Machined	
	mm	in	19.1	20.0	25.0	25.4	30.0	31.8	38.1	40.0	60.0	63.5	90.0	mm	in	mm	in	mm	in	mm	in	x	x		x			
Z06	x				●	●	●	■	■				99.5	3.92	101.6	4.00	65.0	2.56	36.0	1.42	59.3	2.33	x	x				
Z08	x				●	●	●	■	■				132.9	5.23	132.8	5.23	65.0	2.56	53.3	2.10	74.9	2.95	x	x				
Z10	x				●	●	●	■	■				166.3	6.55	164.4	6.47	65.0	2.56	70.2	2.76	90.7	3.57	x	x				
Z10										■	■		166.3	6.55	164.4	6.47	120.0	4.72	70.2	2.76	90.7	3.57	x	x				
Z12	x				●	●	●	■	■	■	■		198.6	7.82	196.3	7.73	120.0	4.72	86.8	3.42	106.6	4.20	x	x				
Z16	x				●	●	●	■	■	■	■		263.8	10.39	260.4	10.25	160.0	5.90	119.7	4.71	138.7	5.46		x				

■ Molded sprocket **● Molded sprocket**



Other sprocket sizes are available upon request.
 Two-part sprocket are available upon request.
 Round bores are always delivered with keyway.
 Other bore sizes are available upon request.
 uni Retainer Rings: See uni Retainer Ring data sheet
 Width of sprocket = Single row: 42.3 mm (1.66 in)
 Double row: 50.0 mm (1.96 in)
 Width of tooth = Single row: 9.5 mm (0.37 in)
 Double row: 17.0 mm (0.66 in)

Max. load per sprocket shown does not take bore size into account.
 Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni ULB.
 For more detailed sprocket information, contact Customer Service.

Non standard material and color: See uni Material and Color Overview.

uni ULB C/150112



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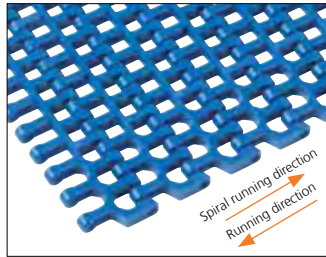
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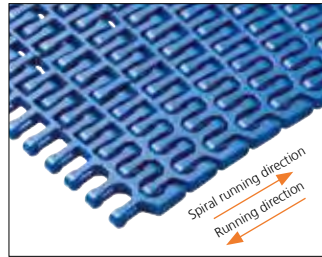


Plastic Modular Belt

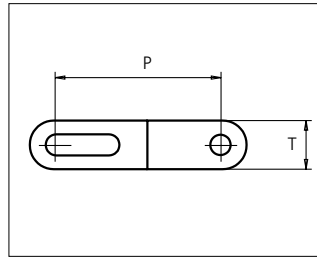
Series uni Flex L-ASB



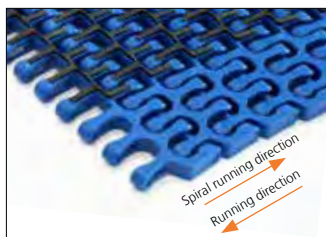
50% Open Radius 1.6



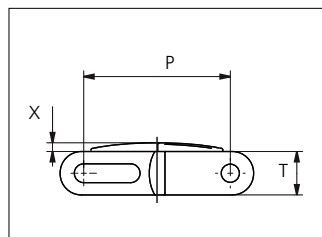
47% Open Radius 2.2



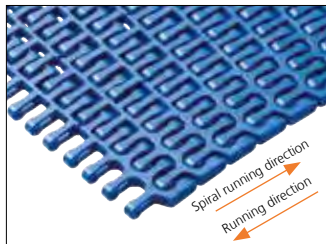
Sideflexing belt
 Nominal pitch: 50.8 mm (2.00 in)
 Surface type: Flat
 Surface opening: 47%/50%
 Backflex radius: 100.0 mm (3.94 in)
 Pin diameter: 6 mm (0.24 in)
 Min. inside radius: R1.6 x belt width, R2.2 x belt width



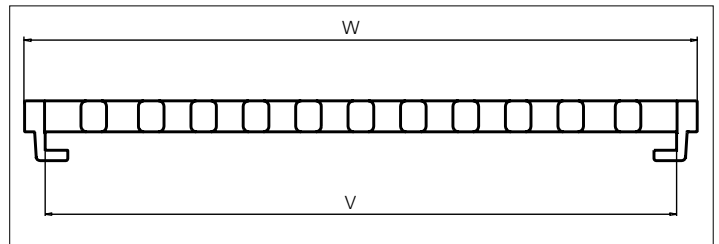
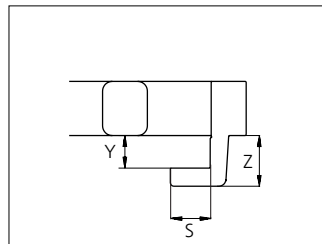
47/50% Open Rubber Top Radius 2.2



uni Flex L-ASB Rubber Top Radius 2.2: Indent min. 71.0 mm (2.80 in) and Increment 25.4 mm (1.00)
 uni Flex L-ASB Rubber Top R1.6: Indent min. 97.0 mm (3.82 in) and Increment 25.4 mm (1.00 in).



47% Open Tab Radius 2.2



Type	Belt materials and colors	Pin materials and colors
47% Open Radius 2.2 47% Open Tab Radius 2.2 50% Open Radius 1.6	POM-D B W PP B W	PA6.6 B
47% Open Rubber Top Radius 2.2 47% Open Rubber Top Tab Radius 2.2 50% Open Rubber Top Radius 1.6	PP B + 03 K	

	mm	in		mm	in
P (Nominal)	50.8	2.00	W	325.9	12.83
S	11.0	0.43	X	3.0	0.12
T	15.0	0.59	Y	9.0	0.35
V	306.5	12.07	Z	14.0	0.55

Non standard material and color: See uni Material and Color Overview.

Alternative pin and lock materials:

⚡ Snap Pin A1: PP **W** PBT **LG** PA6.6 **B**

⚡ Lockpin: PBT **LG**



STANDARD

SIDE FLEXING

PITCH 50.8 MM/2.00 IN

uni Flex L-ASB 50% Open Radius 1.6


Belt width		Permissible tensile force (Belt/pin material)								Belt weight (Belt/pin material)				*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-D/PA6.6				PP/PA6.6				POM-D/PA6.6		PP/PA6.6			**Carry (pcs)	**Return (pcs)
		Straight sections		Curve sections		Straight sections		Curve sections		kg/m	lb/ft	kg/m	lb/ft			
mm	in	N	lbf	N	lbf	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft			
250	9.8	10000	2248	2440	549	5000	1124	1440	324	2.5	1.65	1.5	1.01	2	2	2
326	12.8	13040	2931	2440	549	6520	1466	1440	324	3.2	2.15	2.0	1.31	3	3	2
403	15.9	16120	3624	3110	699	8060	1812	1960	441	3.9	2.65	2.4	1.63	3	3	2
479	18.9	19160	4307	3110	699	9580	2154	1960	441	4.7	3.15	2.9	1.93	5	4	2
555	21.9	22200	4991	3110	699	11100	2495	1960	441	5.4	3.66	3.3	2.24	5	4	2
631	24.8	25240	5674	3110	699	12620	2837	1960	441	6.2	4.16	3.8	2.54	5	5	3
708	27.9	28320	6366	3110	699	14160	3183	1960	441	6.9	4.66	4.2	2.85	5	5	3
784	30.9	31360	7050	3110	699	15680	3525	1960	441	7.7	5.16	4.7	3.16	7	6	3
860	33.9	34400	7733	3110	699	17200	3867	1960	441	8.4	5.66	5.2	3.47	7	6	3
936	36.9	37440	8417	3110	699	18720	4208	1960	441	9.2	6.16	5.6	3.77	7	7	4
1013	39.9	40520	9109	3110	699	20260	4554	1960	441	9.9	6.67	6.1	4.08	7	7	4

Additional non-standard belt widths are available in steps of 25.4 mm (1.00 in).

General belt tolerance is +0/-0.4% at 23°C/73°F. For exact belt width contact Customer Service. Non standard belt width on request.

*Max. Load per Drive Sprocket. Belt material: POM-D 2500 N (562 lbf), PP 1200 N (270 lbf).

**Max. Spacing between wear strips, Carry: 152 mm (6 in); Return: 304 mm (12 in).

 = Single Link

uni Flex L-ASB 47% Open Radius 2.2

Belt width		Permissible tensile force (Belt/pin material)								Belt weight (Belt/pin material)				*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-D/PA6.6				PP/PA6.6				POM-D/PA6.6		PP/PA6.6			**Carry (pcs)	**Return (pcs)
		Straight sections		Curve sections		Straight sections		Curve sections		kg/m	lb/ft	kg/m	lb/ft			
mm	in	N	lbf	N	lbf	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft			
250	9.8	10000	2248	2440	549	5000	1124	1440	324	2.5	1.65	1.5	1.01	2	2	2
326	12.8	13040	2931	2440	549	6520	1466	1440	324	3.2	2.15	2.0	1.31	3	3	2
403	15.9	16120	3624	3110	699	8060	1812	1960	441	3.9	2.65	2.4	1.63	3	3	2
479	18.9	19160	4307	3110	699	9580	2154	1960	441	4.7	3.15	2.9	1.93	5	4	2
555	21.9	22200	4991	3110	699	11100	2495	1960	441	5.4	3.66	3.3	2.24	5	4	2
631	24.8	25240	5674	3110	699	12620	2837	1960	441	6.2	4.16	3.8	2.54	5	5	3
708	27.9	28320	6366	3110	699	14160	3183	1960	441	6.9	4.66	4.2	2.85	5	5	3
784	30.9	31360	7050	3110	699	15680	3525	1960	441	7.7	5.16	4.7	3.16	7	6	3
860	33.9	34400	7733	3110	699	17200	3867	1960	441	8.4	5.66	5.2	3.47	7	6	3
936	36.9	37440	8417	3110	699	18720	4208	1960	441	9.2	6.16	5.6	3.77	7	7	4
1013	39.9	40520	9109	3110	699	20260	4554	1960	441	9.9	6.67	6.1	4.08	7	7	4
1089	42.9	43560	9792	3110	699	21780	4896	1960	441	10.7	7.17	6.5	4.39	9	8	4

Additional standard belt widths are available in steps of 76.2 mm (3.00 in) Additional non-standard belt widths are available in steps of 25.4 mm (1.00 in)

1699	66.9	67960	15277	3110	699	33980	7639	1960	441	16.7	11.19	10.2	6.85	13	12	6
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Additional standard belt widths are available in steps of 76.2 mm (3.00 in) Additional non-standard belt widths are available in steps of 25.4 mm (1.00 in)

1927	75.9	77080	17328	3110	699	38540	8664	1960	441	18.9	12.69	11.6	7.77	13	13	7
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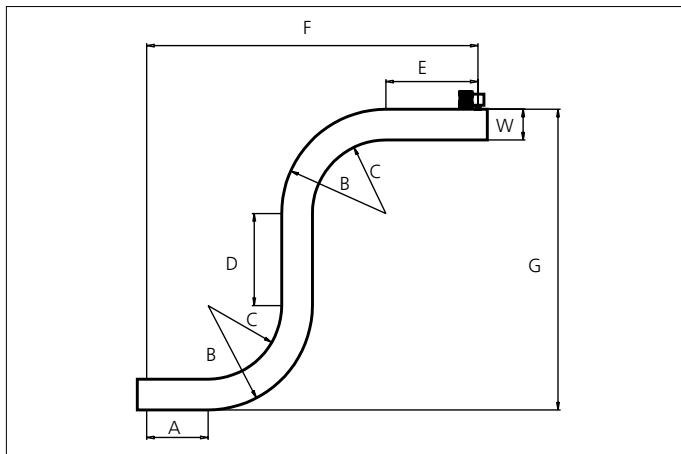
General belt tolerance is +0/-0.4% at 23°C/73°F. For exact belt width contact Customer Service. Non standard belt width on request.

*Max. Load per Drive Sprocket. Belt material: POM-D 2500 N (562 lbf), PP 1200 N (270 lbf).

**Max. Spacing between wear strips, Carry: 152 mm (6 in); Return: 304 mm (12 in).

 = Single Link

Design Guidelines



	47% Open Radius 2.2 47% Open Radius 2.2	50% Open Radius 1.6 (inside)
A	min. 1.5 x W	min. 1.5 x W
B	min. 3.2 x W	min. 2.6 x W
C	min. 2.2 x W	min. 1.6 x W
D	min. 2.0 x W	min. 2.0 x W
E	min. 2.0 x W	min. 2.0 x W
F	min. 8.9 x W	min. 7.7 x W
G	min. 8.4 x W	min. 7.2 x W

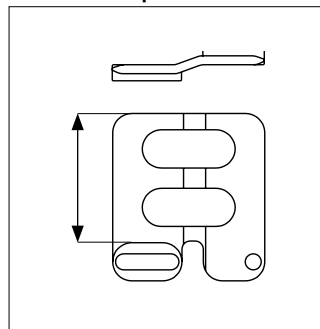
uni Flex L-ASB R1.6 can not be used in S-conveyors.

Accessories

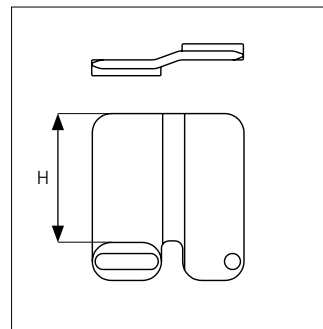
Side Guard



Side Guard Open



Side Guard

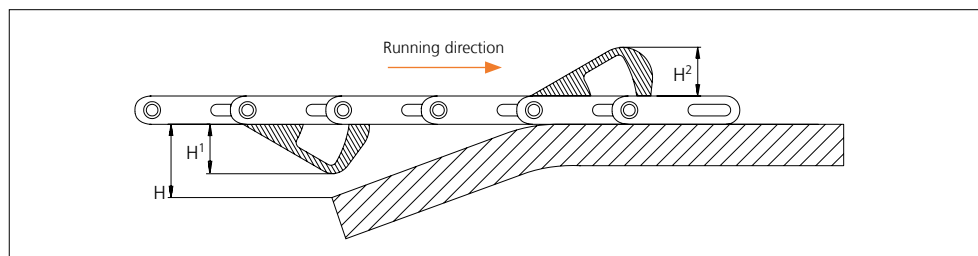
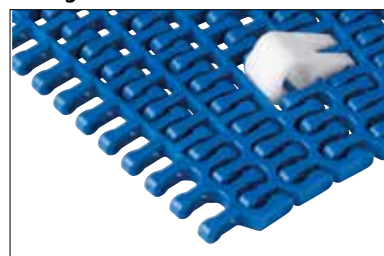


Type	Side Guard Material & color	H	
		mm	in
Side Guard	POM-D B W	10.0	0.39
		25.4	1.00
		50.0	1.97
Side Guard Open		50.0	1.97

* Min. indent for Side Guard is: 80.0 mm (3.15 in) and Increment 25.4 mm (1.00 in)
Non Standard material and color: See uni Material and Color Overview.

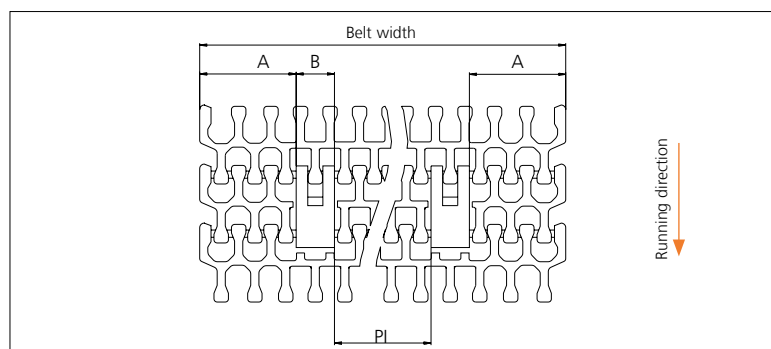
Accessories

AmFlight



Type	Material & color	H	H ¹		H ²	
			mm	in	mm	in
AmFlight	PE W	H > H ¹	25.4	1.00	26.0	1.02

Other Non Standard option: See uni AmFlight Overview.



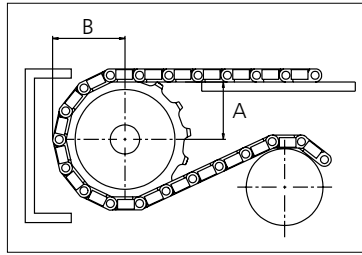
	mm	in
A min	83.0	3.27
B	33.0	1.30
PI min	68.5	2.70

Increment: 25.4 mm (1.00 in)

Sprocket

No. of teeth	Bore size													Overall diameter		Pitch diameter		Hub diameter		Dimension A		Dimension B		Single row/Two way	Double row/Two way	Molded PA6 LG	Machined PA6 N
	Pilot Bore	in	0.75	0.79	0.98	1.00	1.18	1.25	1.50	1.57	2.36	2.50	3.54														
	mm	19.1	20.0	25.0	25.4	30.0	31.8	38.1	40.0	60.0	63.5	90.0	mm	in	mm	in	mm	in	mm	in							
Z08	x				●	●			●				134.6	5.30	131.5	5.18	107.6	4.23	54.4	2.15	74.9	2.95	x			x	
Z10	x				●	●	●		●				168.3	6.63	164.0	6.46	141.3	5.56	71.4	2.81	90.8	3.57	x			x	
Z12	x				●		●	●	●	●		■	203.5	8.01	196.5	7.74	176.5	6.94	88.2	3.47	106.8	4.20	x			x	
Z15	x				●		●	●	●	●		■	253.4	9.98	245.4	9.66	226.4	8.91	113.2	4.46	131.0	5.16	x			x	

■ Machined sprocket ● Machined sprocket



Non standard material and color: See uni Material and Color Overview.

Other sprocket sizes are available upon request

Two-part sprocket are available upon request

Other bore sizes are available upon request

uni Retainer Rings: See uni Retainer Ring data sheet

Width of tooth = 15.0 mm (0.59 in)

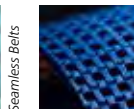
Width of sprocket = 30.0 mm (1.18 in)

Max. load per sprocket shown does not take bore size into account.

Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni Flex L-ASB.

For more detailed sprocket information, contact Customer Service.



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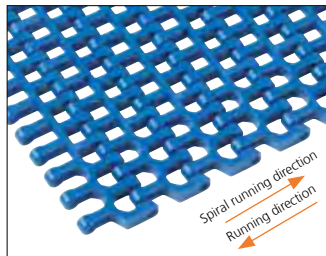
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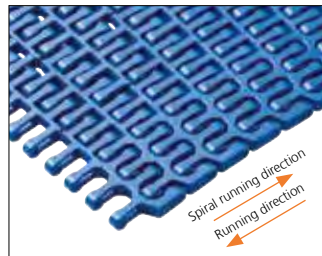


Plastic Modular Belt

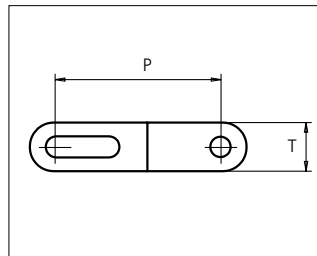
Series uni Flex L-ASB



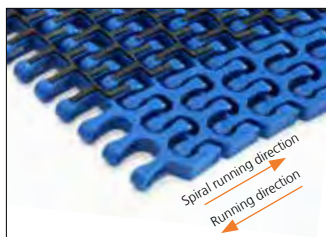
50% Open Radius 1.6



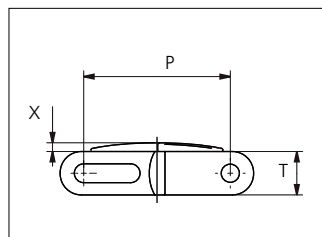
47% Open Radius 2.2



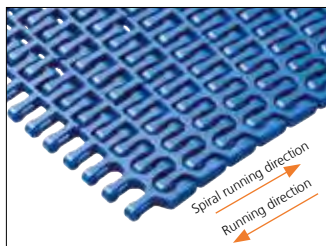
Sideflexing belt
 Nominal pitch: 50.8 mm (2.00 in)
 Surface type: Flat
 Surface opening: 47%/50%
 Backflex radius: 100.0 mm (3.94 in)
 Pin diameter: 6 mm (0.24 in)
 Min. inside radius: R1.6 x belt width, R2.2 x belt width



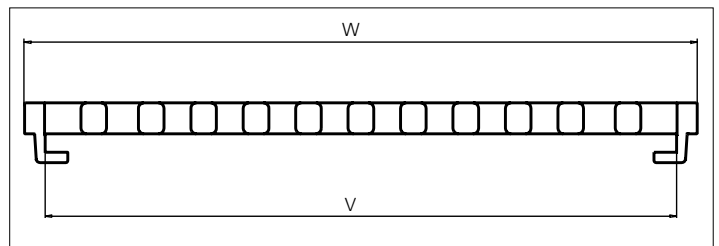
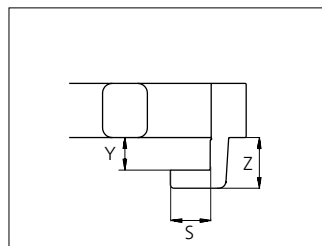
47/50% Open Rubber Top Radius 2.2



uni Flex L-ASB Rubber Top Radius 2.2: Indent min. 71.0 mm (2.80 in) and Increment 25.4 mm (1.00)
 uni Flex L-ASB Rubber Top R1.6: Indent min. 97.0 mm (3.82 in) and Increment 25.4 mm (1.00 in).



47% Open Tab Radius 2.2



Type	Belt materials and colors	Pin materials and colors
47% Open Radius 2.2 47% Open Tab Radius 2.2 50% Open Radius 1.6	POM-D B W	PA6.6 B
	PP B W	
47% Open Rubber Top Radius 2.2 47% Open Rubber Top Tab Radius 2.2 50% Open Rubber Top Radius 1.6	PP B + 03 K	

	mm	in		mm	in
P (Nominal)	50.8	2.00	W	325.9	12.83
S	11.0	0.43	X	3.0	0.12
T	15.0	0.59	Y	9.0	0.35
V	306.5	12.07	Z	14.0	0.55

Non standard material and color: See uni Material and Color Overview.

Alternative pin and lock materials:

⚡ Snap Pin A1: PP **W** PBT **LG** PA6.6 **B**

⚡ Lockpin: PBT **LG**



STANDARD

SIDE FLEXING

PITCH 50.8 MM/2.00 IN

uni Flex L-ASB 50% Open Radius 1.6


Belt width		Permissible tensile force (Belt/pin material)								Belt weight (Belt/pin material)				*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-D/PA6.6				PP/PA6.6				POM-D/PA6.6		PP/PA6.6			**Carry (pcs)	**Return (pcs)
		Straight sections		Curve sections		Straight sections		Curve sections		kg/m	lb/ft	kg/m	lb/ft			
mm	in	N	lbf	N	lbf	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft			
250	9.8	10000	2248	2440	549	5000	1124	1440	324	2.5	1.65	1.5	1.01	2	2	2
326	12.8	13040	2931	2440	549	6520	1466	1440	324	3.2	2.15	2.0	1.31	3	3	2
403	15.9	16120	3624	3110	699	8060	1812	1960	441	3.9	2.65	2.4	1.63	3	3	2
479	18.9	19160	4307	3110	699	9580	2154	1960	441	4.7	3.15	2.9	1.93	5	4	2
555	21.9	22200	4991	3110	699	11100	2495	1960	441	5.4	3.66	3.3	2.24	5	4	2
631	24.8	25240	5674	3110	699	12620	2837	1960	441	6.2	4.16	3.8	2.54	5	5	3
708	27.9	28320	6366	3110	699	14160	3183	1960	441	6.9	4.66	4.2	2.85	5	5	3
784	30.9	31360	7050	3110	699	15680	3525	1960	441	7.7	5.16	4.7	3.16	7	6	3
860	33.9	34400	7733	3110	699	17200	3867	1960	441	8.4	5.66	5.2	3.47	7	6	3
936	36.9	37440	8417	3110	699	18720	4208	1960	441	9.2	6.16	5.6	3.77	7	7	4
1013	39.9	40520	9109	3110	699	20260	4554	1960	441	9.9	6.67	6.1	4.08	7	7	4

Additional non-standard belt widths are available in steps of 25.4 mm (1.00 in).

General belt tolerance is +0/-0.4% at 23°C/73°F. For exact belt width contact Customer Service. Non standard belt width on request.

*Max. Load per Drive Sprocket. Belt material: POM-D 2500 N (562 lbf), PP 1200 N (270 lbf).

**Max. Spacing between wear strips, Carry: 152 mm (6 in); Return: 304 mm (12 in).

 = Single Link

uni Flex L-ASB 47% Open Radius 2.2

Belt width		Permissible tensile force (Belt/pin material)								Belt weight (Belt/pin material)				*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-D/PA6.6				PP/PA6.6				POM-D/PA6.6		PP/PA6.6			**Carry (pcs)	**Return (pcs)
		Straight sections		Curve sections		Straight sections		Curve sections		kg/m	lb/ft	kg/m	lb/ft			
mm	in	N	lbf	N	lbf	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft			
250	9.8	10000	2248	2440	549	5000	1124	1440	324	2.5	1.65	1.5	1.01	2	2	2
326	12.8	13040	2931	2440	549	6520	1466	1440	324	3.2	2.15	2.0	1.31	3	3	2
403	15.9	16120	3624	3110	699	8060	1812	1960	441	3.9	2.65	2.4	1.63	3	3	2
479	18.9	19160	4307	3110	699	9580	2154	1960	441	4.7	3.15	2.9	1.93	5	4	2
555	21.9	22200	4991	3110	699	11100	2495	1960	441	5.4	3.66	3.3	2.24	5	4	2
631	24.8	25240	5674	3110	699	12620	2837	1960	441	6.2	4.16	3.8	2.54	5	5	3
708	27.9	28320	6366	3110	699	14160	3183	1960	441	6.9	4.66	4.2	2.85	5	5	3
784	30.9	31360	7050	3110	699	15680	3525	1960	441	7.7	5.16	4.7	3.16	7	6	3
860	33.9	34400	7733	3110	699	17200	3867	1960	441	8.4	5.66	5.2	3.47	7	6	3
936	36.9	37440	8417	3110	699	18720	4208	1960	441	9.2	6.16	5.6	3.77	7	7	4
1013	39.9	40520	9109	3110	699	20260	4554	1960	441	9.9	6.67	6.1	4.08	7	7	4
1089	42.9	43560	9792	3110	699	21780	4896	1960	441	10.7	7.17	6.5	4.39	9	8	4

Additional standard belt widths are available in steps of 76.2 mm (3.00 in) Additional non-standard belt widths are available in steps of 25.4 mm (1.00 in)

1699	66.9	67960	15277	3110	699	33980	7639	1960	441	16.7	11.19	10.2	6.85	13	12	6
------	------	-------	-------	------	-----	-------	------	------	-----	------	-------	------	------	----	----	---


Additional standard belt widths are available in steps of 76.2 mm (3.00 in) Additional non-standard belt widths are available in steps of 25.4 mm (1.00 in)

1927	75.9	77080	17328	3110	699	38540	8664	1960	441	18.9	12.69	11.6	7.77	13	13	7
------	------	-------	-------	------	-----	-------	------	------	-----	------	-------	------	------	----	----	---

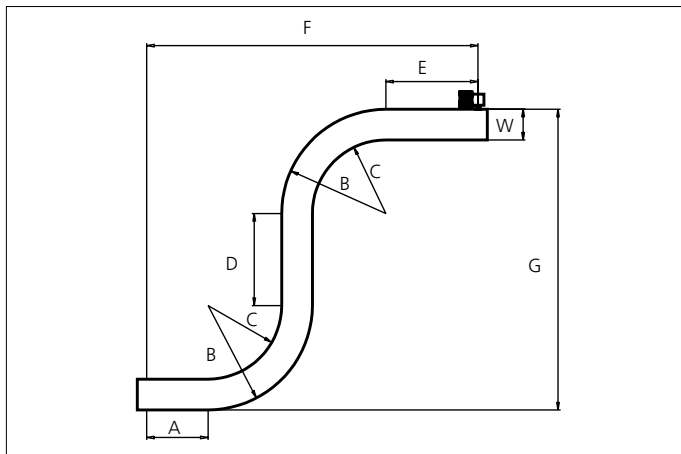
General belt tolerance is +0/-0.4% at 23°C/73°F. For exact belt width contact Customer Service. Non standard belt width on request.

*Max. Load per Drive Sprocket. Belt material: POM-D 2500 N (562 lbf), PP 1200 N (270 lbf).

**Max. Spacing between wear strips, Carry: 152 mm (6 in); Return: 304 mm (12 in).

 = Single Link

Design Guidelines



	47% Open Radius 2.2 47% Open Radius 2.2	50% Open Radius 1.6 (inside)
A	min. 1.5 x W	min. 1.5 x W
B	min. 3.2 x W	min. 2.6 x W
C	min. 2.2 x W	min. 1.6 x W
D	min. 2.0 x W	min. 2.0 x W
E	min. 2.0 x W	min. 2.0 x W
F	min. 8.9 x W	min. 7.7 x W
G	min. 8.4 x W	min. 7.2 x W

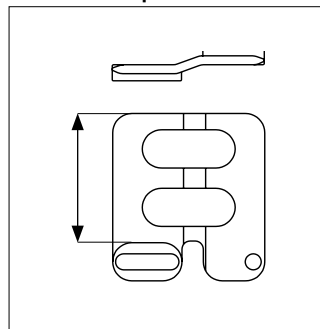
uni Flex L-ASB R1.6 can not be used in S-conveyors.

Accessories

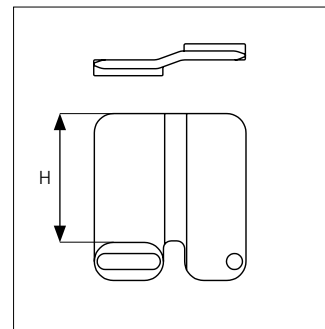
Side Guard



Side Guard Open



Side Guard

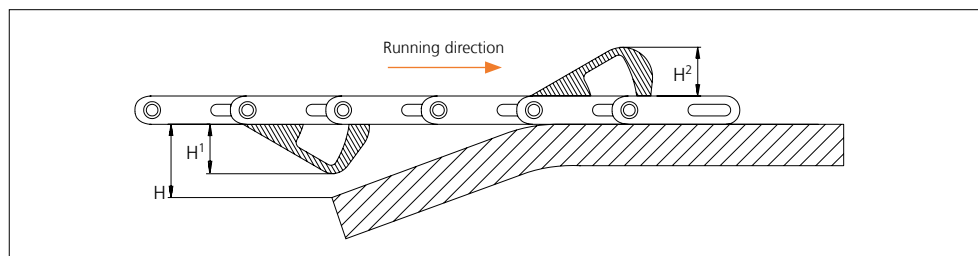
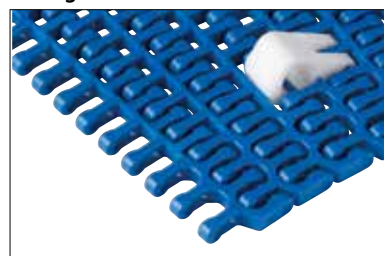


Type	Side Guard Material & color	H	
		mm	in
Side Guard	POM-D B W	10.0	0.39
		25.4	1.00
		50.0	1.97
Side Guard Open		50.0	1.97

* Min. indent for Side Guard is: 80.0 mm (3.15 in) and Increment 25.4 mm (1.00 in)
Non Standard material and color: See uni Material and Color Overview.

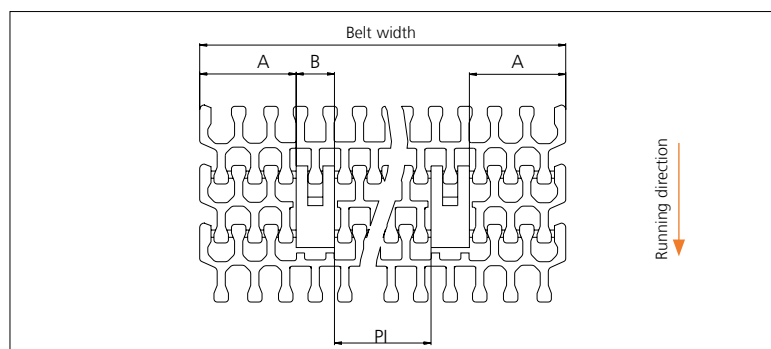
Accessories

AmFlight



Type	Material & color	H	H ¹		H ²	
			mm	in	mm	in
AmFlight	PE W	H > H ¹	25.4	1.00	26.0	1.02

Other Non Standard option: See uni AmFlight Overview.



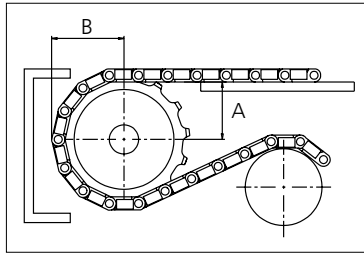
	mm	in
A min	83.0	3.27
B	33.0	1.30
PI min	68.5	2.70

Increment: 25.4 mm (1.00 in)

Sprocket

No. of teeth	Bore size													Overall diameter		Pitch diameter		Hub diameter		Dimension A		Dimension B		Single row/Two way	Double row/Two way	Molded PA6 LG	Machined PA6 N
	Pilot Bore	in	0.75	0.79	0.98	1.00	1.18	1.25	1.50	1.57	2.36	2.50	3.54														
	mm	19.1	20.0	25.0	25.4	30.0	31.8	38.1	40.0	60.0	63.5	90.0	mm	in	mm	in	mm	in	mm	in							
Z08	x				●	●			●				134.6	5.30	131.5	5.18	107.6	4.23	54.4	2.15	74.9	2.95	x			x	
Z10	x				●	●	●		●				168.3	6.63	164.0	6.46	141.3	5.56	71.4	2.81	90.8	3.57	x			x	
Z12	x				●		●	●	●	●		■	203.5	8.01	196.5	7.74	176.5	6.94	88.2	3.47	106.8	4.20	x			x	
Z15	x				●		●	●	●	●		■	253.4	9.98	245.4	9.66	226.4	8.91	113.2	4.46	131.0	5.16	x			x	

■ Machined sprocket ● Machined sprocket



Non standard material and color: See uni Material and Color Overview.

Other sprocket sizes are available upon request

Two-part sprocket are available upon request

Other bore sizes are available upon request

uni Retainer Rings: See uni Retainer Ring data sheet

Width of tooth = 15.0 mm (0.59 in)

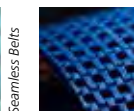
Width of sprocket = 30.0 mm (1.18 in)

Max. load per sprocket shown does not take bore size into account.

Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni Flex L-ASB.

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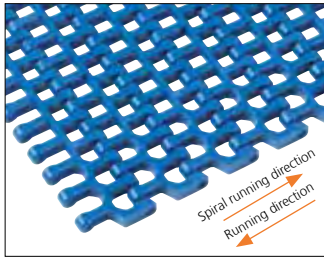
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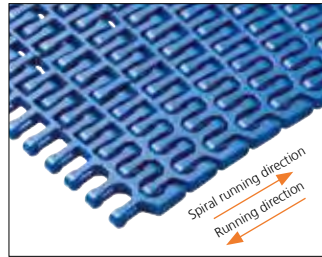


Plastic Modular Belt

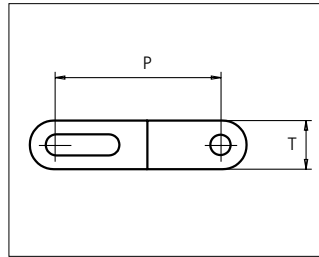
Series uni Flex L-ASB



50% Open Radius 1.6



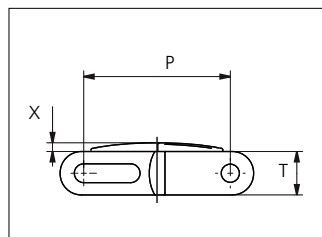
47% Open Radius 2.2



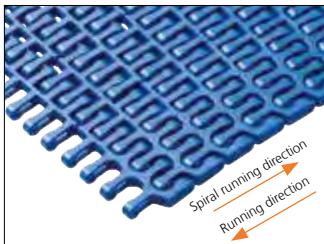
Sideflexing belt
 Nominal pitch: 50.8 mm (2.00 in)
 Surface type: Flat
 Surface opening: 47%/50%
 Backflex radius: 100.0 mm (3.94 in)
 Pin diameter: 6 mm (0.24 in)
 Min. inside radius: R1.6 x belt width, R2.2 x belt width



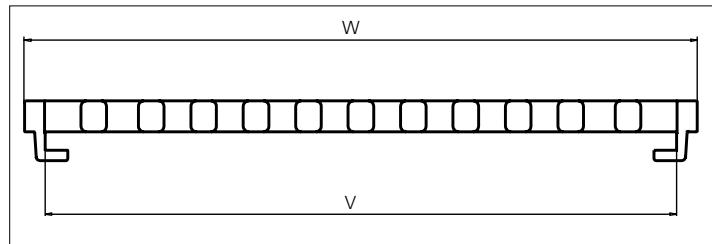
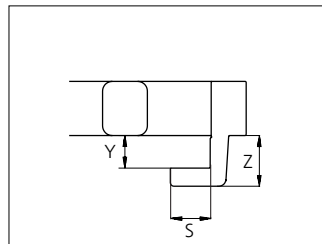
47/50% Open Rubber Top Radius 2.2



uni Flex L-ASB Rubber Top Radius 2.2: Indent min. 71.0 mm (2.80 in) and Increment 25.4 mm (1.00)
 uni Flex L-ASB Rubber Top R1.6: Indent min. 97.0 mm (3.82 in) and Increment 25.4 mm (1.00 in).



47% Open Tab Radius 2.2



Type	Belt materials and colors	Pin materials and colors
47% Open Radius 2.2 47% Open Tab Radius 2.2 50% Open Radius 1.6	POM-D B W PP B W	PA6.6 B
47% Open Rubber Top Radius 2.2 47% Open Rubber Top Tab Radius 2.2 50% Open Rubber Top Radius 1.6	PP B + 03 K	

	mm	in		mm	in
P (Nominal)	50.8	2.00	W	325.9	12.83
S	11.0	0.43	X	3.0	0.12
T	15.0	0.59	Y	9.0	0.35
V	306.5	12.07	Z	14.0	0.55

Non standard material and color: See uni Material and Color Overview.

Alternative pin and lock materials:

⚡ Snap Pin A1: PP **W** PBT **LG** PA6.6 **B**

⚡ Lockpin: PBT **LG**



STANDARD

SIDE FLEXING

PITCH 50.8 MM/2.00 IN

uni Flex L-ASB 50% Open Radius 1.6


Belt width		Permissible tensile force (Belt/pin material)								Belt weight (Belt/pin material)				*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-D/PA6.6				PP/PA6.6				POM-D/PA6.6		PP/PA6.6			**Carry (pcs)	**Return (pcs)
		Straight sections		Curve sections		Straight sections		Curve sections		kg/m	lb/ft	kg/m	lb/ft			
mm	in	N	lbf	N	lbf	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft			
250	9.8	10000	2248	2440	549	5000	1124	1440	324	2.5	1.65	1.5	1.01	2	2	2
326	12.8	13040	2931	2440	549	6520	1466	1440	324	3.2	2.15	2.0	1.31	3	3	2
403	15.9	16120	3624	3110	699	8060	1812	1960	441	3.9	2.65	2.4	1.63	3	3	2
479	18.9	19160	4307	3110	699	9580	2154	1960	441	4.7	3.15	2.9	1.93	5	4	2
555	21.9	22200	4991	3110	699	11100	2495	1960	441	5.4	3.66	3.3	2.24	5	4	2
631	24.8	25240	5674	3110	699	12620	2837	1960	441	6.2	4.16	3.8	2.54	5	5	3
708	27.9	28320	6366	3110	699	14160	3183	1960	441	6.9	4.66	4.2	2.85	5	5	3
784	30.9	31360	7050	3110	699	15680	3525	1960	441	7.7	5.16	4.7	3.16	7	6	3
860	33.9	34400	7733	3110	699	17200	3867	1960	441	8.4	5.66	5.2	3.47	7	6	3
936	36.9	37440	8417	3110	699	18720	4208	1960	441	9.2	6.16	5.6	3.77	7	7	4
1013	39.9	40520	9109	3110	699	20260	4554	1960	441	9.9	6.67	6.1	4.08	7	7	4

Additional non-standard belt widths are available in steps of 25.4 mm (1.00 in).

General belt tolerance is +0/-0.4% at 23°C/73°F. For exact belt width contact Customer Service. Non standard belt width on request.

*Max. Load per Drive Sprocket. Belt material: POM-D 2500 N (562 lbf), PP 1200 N (270 lbf).

**Max. Spacing between wear strips, Carry: 152 mm (6 in); Return: 304 mm (12 in).

 = Single Link

uni Flex L-ASB 47% Open Radius 2.2

Belt width		Permissible tensile force (Belt/pin material)								Belt weight (Belt/pin material)				*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-D/PA6.6				PP/PA6.6				POM-D/PA6.6		PP/PA6.6			**Carry (pcs)	**Return (pcs)
		Straight sections		Curve sections		Straight sections		Curve sections		kg/m	lb/ft	kg/m	lb/ft			
mm	in	N	lbf	N	lbf	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft			
250	9.8	10000	2248	2440	549	5000	1124	1440	324	2.5	1.65	1.5	1.01	2	2	2
326	12.8	13040	2931	2440	549	6520	1466	1440	324	3.2	2.15	2.0	1.31	3	3	2
403	15.9	16120	3624	3110	699	8060	1812	1960	441	3.9	2.65	2.4	1.63	3	3	2
479	18.9	19160	4307	3110	699	9580	2154	1960	441	4.7	3.15	2.9	1.93	5	4	2
555	21.9	22200	4991	3110	699	11100	2495	1960	441	5.4	3.66	3.3	2.24	5	4	2
631	24.8	25240	5674	3110	699	12620	2837	1960	441	6.2	4.16	3.8	2.54	5	5	3
708	27.9	28320	6366	3110	699	14160	3183	1960	441	6.9	4.66	4.2	2.85	5	5	3
784	30.9	31360	7050	3110	699	15680	3525	1960	441	7.7	5.16	4.7	3.16	7	6	3
860	33.9	34400	7733	3110	699	17200	3867	1960	441	8.4	5.66	5.2	3.47	7	6	3
936	36.9	37440	8417	3110	699	18720	4208	1960	441	9.2	6.16	5.6	3.77	7	7	4
1013	39.9	40520	9109	3110	699	20260	4554	1960	441	9.9	6.67	6.1	4.08	7	7	4
1089	42.9	43560	9792	3110	699	21780	4896	1960	441	10.7	7.17	6.5	4.39	9	8	4

Additional standard belt widths are available in steps of 76.2 mm (3.00 in) Additional non-standard belt widths are available in steps of 25.4 mm (1.00 in)

1699	66.9	67960	15277	3110	699	33980	7639	1960	441	16.7	11.19	10.2	6.85	13	12	6
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Additional standard belt widths are available in steps of 76.2 mm (3.00 in) Additional non-standard belt widths are available in steps of 25.4 mm (1.00 in)

1927	75.9	77080	17328	3110	699	38540	8664	1960	441	18.9	12.69	11.6	7.77	13	13	7
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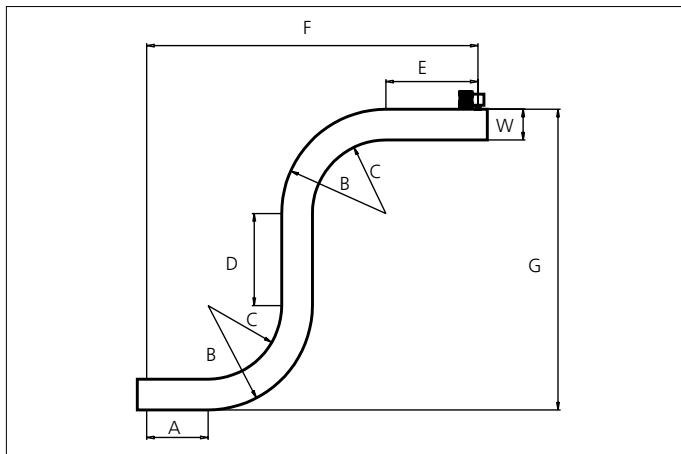
General belt tolerance is +0/-0.4% at 23°C/73°F. For exact belt width contact Customer Service. Non standard belt width on request.

*Max. Load per Drive Sprocket. Belt material: POM-D 2500 N (562 lbf), PP 1200 N (270 lbf).

**Max. Spacing between wear strips, Carry: 152 mm (6 in); Return: 304 mm (12 in).

 = Single Link

Design Guidelines



	47% Open Radius 2.2 47% Open Radius 2.2	50% Open Radius 1.6 (inside)
A	min. 1.5 x W	min. 1.5 x W
B	min. 3.2 x W	min. 2.6 x W
C	min. 2.2 x W	min. 1.6 x W
D	min. 2.0 x W	min. 2.0 x W
E	min. 2.0 x W	min. 2.0 x W
F	min. 8.9 x W	min. 7.7 x W
G	min. 8.4 x W	min. 7.2 x W

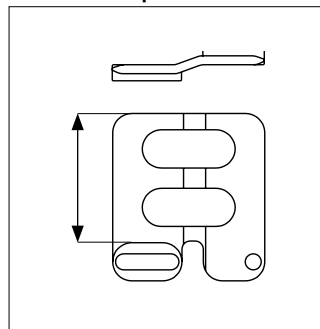
uni Flex L-ASB R1.6 can not be used in S-conveyors.

Accessories

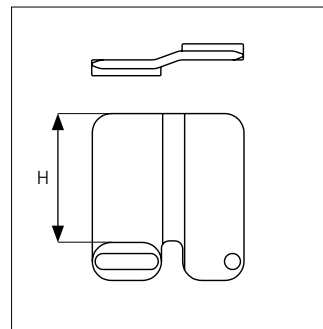
Side Guard



Side Guard Open



Side Guard

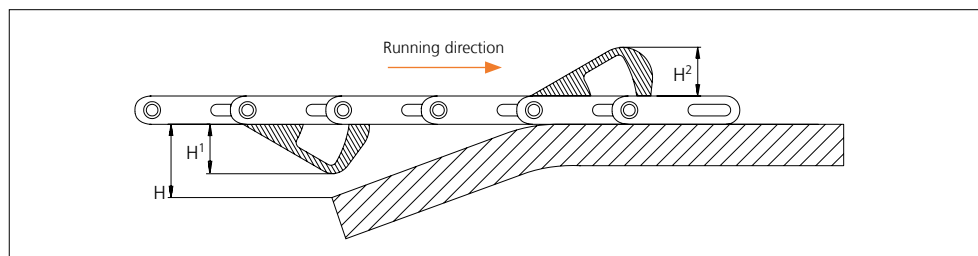
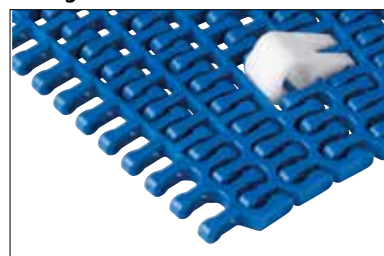


Type	Side Guard Material & color	H	
		mm	in
Side Guard	POM-D B W	10.0	0.39
		25.4	1.00
		50.0	1.97
Side Guard Open		50.0	1.97

* Min. indent for Side Guard is: 80.0 mm (3.15 in) and Increment 25.4 mm (1.00 in)
Non Standard material and color: See uni Material and Color Overview.

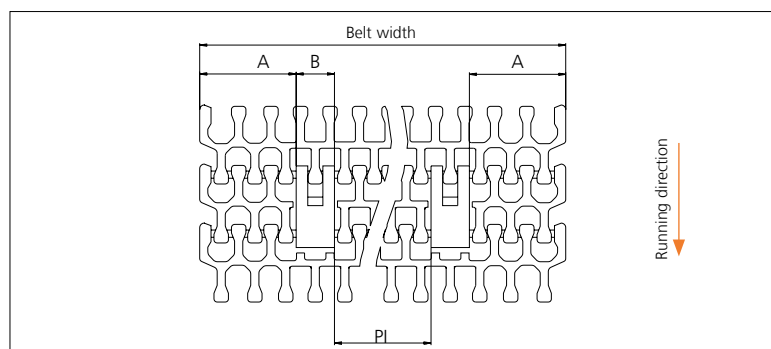
Accessories

AmFlight



Type	Material & color	H	H ¹		H ²	
			mm	in	mm	in
AmFlight	PE W	H > H ¹	25.4	1.00	26.0	1.02

Other Non Standard option: See uni AmFlight Overview.



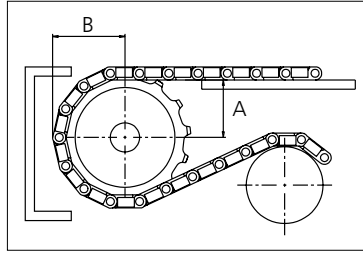
	mm	in
A min	83.0	3.27
B	33.0	1.30
PI min	68.5	2.70

Increment: 25.4 mm (1.00 in)

Sprocket

No. of teeth	Bore size													Overall diameter		Pitch diameter		Hub diameter		Dimension A		Dimension B		Single row/Two way	Double row/Two way	Molded PA6 LG	Machined PA6 N
	Pilot Bore	in	0.75	0.79	0.98	1.00	1.18	1.25	1.50	1.57	2.36	2.50	3.54														
	mm	19.1	20.0	25.0	25.4	30.0	31.8	38.1	40.0	60.0	63.5	90.0	mm	in	mm	in	mm	in	mm	in							
Z08	x				●	●			●			134.6	5.30	131.5	5.18	107.6	4.23	54.4	2.15	74.9	2.95	x			x		
Z10	x				●	●	●		●			168.3	6.63	164.0	6.46	141.3	5.56	71.4	2.81	90.8	3.57	x			x		
Z12	x				●		●	●	●		■	203.5	8.01	196.5	7.74	176.5	6.94	88.2	3.47	106.8	4.20	x			x		
Z15	x				●		●	●	●		■	253.4	9.98	245.4	9.66	226.4	8.91	113.2	4.46	131.0	5.16	x			x		

■ Machined sprocket ● Machined sprocket



Non standard material and color: See uni Material and Color Overview.

Other sprocket sizes are available upon request

Two-part sprocket are available upon request

Other bore sizes are available upon request

uni Retainer Rings: See uni Retainer Ring data sheet

Width of tooth = 15.0 mm (0.59 in)

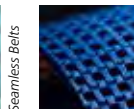
Width of sprocket = 30.0 mm (1.18 in)

Max. load per sprocket shown does not take bore size into account.

Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni Flex L-ASB.

For more detailed sprocket information, contact Customer Service.



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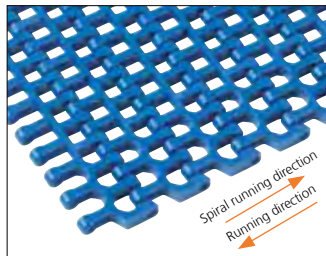
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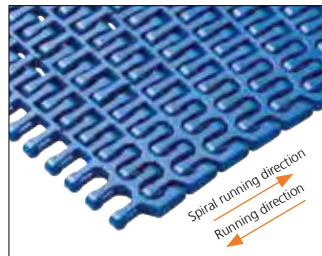


Plastic Modular Belt

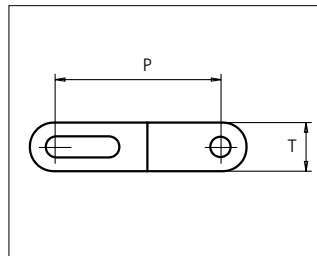
Series uni Flex L-ASB



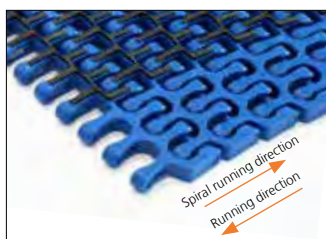
50% Open Radius 1.6



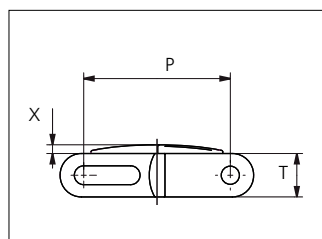
47% Open Radius 2.2



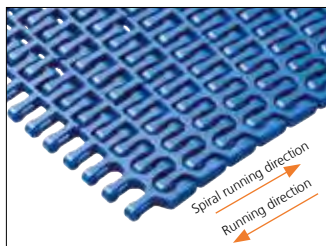
Sideflexing belt
 Nominal pitch: 50.8 mm (2.00 in)
 Surface type: Flat
 Surface opening: 47%/50%
 Backflex radius: 100.0 mm (3.94 in)
 Pin diameter: 6 mm (0.24 in)
 Min. inside radius: R1.6 x belt width, R2.2 x belt width



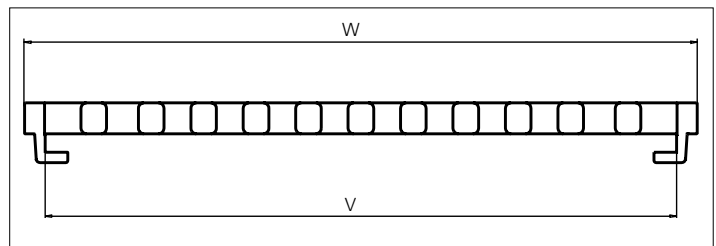
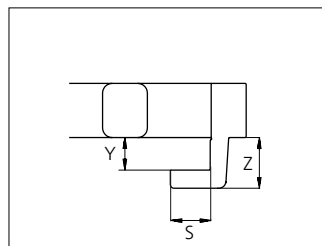
47/50% Open Rubber Top Radius 2.2



uni Flex L-ASB Rubber Top Radius 2.2: Indent min. 71.0 mm (2.80 in) and Increment 25.4 mm (1.00)
 uni Flex L-ASB Rubber Top R1.6: Indent min. 97.0 mm (3.82 in) and Increment 25.4 mm (1.00 in).



47% Open Tab Radius 2.2



Type	Belt materials and colors	Pin materials and colors
47% Open Radius 2.2 47% Open Tab Radius 2.2 50% Open Radius 1.6	POM-D B W PP B W	PA6.6 B
47% Open Rubber Top Radius 2.2 47% Open Rubber Top Tab Radius 2.2 50% Open Rubber Top Radius 1.6	PP B + 03 K	

	mm	in		mm	in
P (Nominal)	50.8	2.00	W	325.9	12.83
S	11.0	0.43	X	3.0	0.12
T	15.0	0.59	Y	9.0	0.35
V	306.5	12.07	Z	14.0	0.55

Non standard material and color: See uni Material and Color Overview.

Alternative pin and lock materials:

⚡ Snap Pin A1: PP **W** PBT **LG** PA6.6 **B**

⚡ Lockpin: PBT **LG**



STANDARD

SIDE FLEXING

PITCH 50.8 MM/2.00 IN

uni Flex L-ASB 50% Open Radius 1.6

Belt width		Permissible tensile force (Belt/pin material)								Belt weight (Belt/pin material)				*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-D/PA6.6				PP/PA6.6				POM-D/PA6.6		PP/PA6.6			**Carry (pcs)	**Return (pcs)
		Straight sections		Curve sections		Straight sections		Curve sections		kg/m	lb/ft	kg/m	lb/ft			
mm	in	N	lbf	N	lbf	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft			
250	9.8	10000	2248	2440	549	5000	1124	1440	324	2.5	1.65	1.5	1.01	2	2	2
326	12.8	13040	2931	2440	549	6520	1466	1440	324	3.2	2.15	2.0	1.31	3	3	2
403	15.9	16120	3624	3110	699	8060	1812	1960	441	3.9	2.65	2.4	1.63	3	3	2
479	18.9	19160	4307	3110	699	9580	2154	1960	441	4.7	3.15	2.9	1.93	5	4	2
555	21.9	22200	4991	3110	699	11100	2495	1960	441	5.4	3.66	3.3	2.24	5	4	2
631	24.8	25240	5674	3110	699	12620	2837	1960	441	6.2	4.16	3.8	2.54	5	5	3
708	27.9	28320	6366	3110	699	14160	3183	1960	441	6.9	4.66	4.2	2.85	5	5	3
784	30.9	31360	7050	3110	699	15680	3525	1960	441	7.7	5.16	4.7	3.16	7	6	3
860	33.9	34400	7733	3110	699	17200	3867	1960	441	8.4	5.66	5.2	3.47	7	6	3
936	36.9	37440	8417	3110	699	18720	4208	1960	441	9.2	6.16	5.6	3.77	7	7	4
1013	39.9	40520	9109	3110	699	20260	4554	1960	441	9.9	6.67	6.1	4.08	7	7	4

Additional non-standard belt widths are available in steps of 25.4 mm (1.00 in).

General belt tolerance is +0/-0.4% at 23°C/73°F. For exact belt width contact Customer Service. Non standard belt width on request.

*Max. Load per Drive Sprocket. Belt material: POM-D 2500 N (562 lbf), PP 1200 N (270 lbf).

**Max. Spacing between wear strips, Carry: 152 mm (6 in); Return: 304 mm (12 in).

 = Single Link

uni Flex L-ASB 47% Open Radius 2.2

Belt width		Permissible tensile force (Belt/pin material)								Belt weight (Belt/pin material)				*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-D/PA6.6				PP/PA6.6				POM-D/PA6.6		PP/PA6.6			**Carry (pcs)	**Return (pcs)
		Straight sections		Curve sections		Straight sections		Curve sections		kg/m	lb/ft	kg/m	lb/ft			
mm	in	N	lbf	N	lbf	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft			
250	9.8	10000	2248	2440	549	5000	1124	1440	324	2.5	1.65	1.5	1.01	2	2	2
326	12.8	13040	2931	2440	549	6520	1466	1440	324	3.2	2.15	2.0	1.31	3	3	2
403	15.9	16120	3624	3110	699	8060	1812	1960	441	3.9	2.65	2.4	1.63	3	3	2
479	18.9	19160	4307	3110	699	9580	2154	1960	441	4.7	3.15	2.9	1.93	5	4	2
555	21.9	22200	4991	3110	699	11100	2495	1960	441	5.4	3.66	3.3	2.24	5	4	2
631	24.8	25240	5674	3110	699	12620	2837	1960	441	6.2	4.16	3.8	2.54	5	5	3
708	27.9	28320	6366	3110	699	14160	3183	1960	441	6.9	4.66	4.2	2.85	5	5	3
784	30.9	31360	7050	3110	699	15680	3525	1960	441	7.7	5.16	4.7	3.16	7	6	3
860	33.9	34400	7733	3110	699	17200	3867	1960	441	8.4	5.66	5.2	3.47	7	6	3
936	36.9	37440	8417	3110	699	18720	4208	1960	441	9.2	6.16	5.6	3.77	7	7	4
1013	39.9	40520	9109	3110	699	20260	4554	1960	441	9.9	6.67	6.1	4.08	7	7	4
1089	42.9	43560	9792	3110	699	21780	4896	1960	441	10.7	7.17	6.5	4.39	9	8	4

Additional standard belt widths are available in steps of 76.2 mm (3.00 in) Additional non-standard belt widths are available in steps of 25.4 mm (1.00 in)

1699	66.9	67960	15277	3110	699	33980	7639	1960	441	16.7	11.19	10.2	6.85	13	12	6
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Additional standard belt widths are available in steps of 76.2 mm (3.00 in) Additional non-standard belt widths are available in steps of 25.4 mm (1.00 in)

1927	75.9	77080	17328	3110	699	38540	8664	1960	441	18.9	12.69	11.6	7.77	13	13	7
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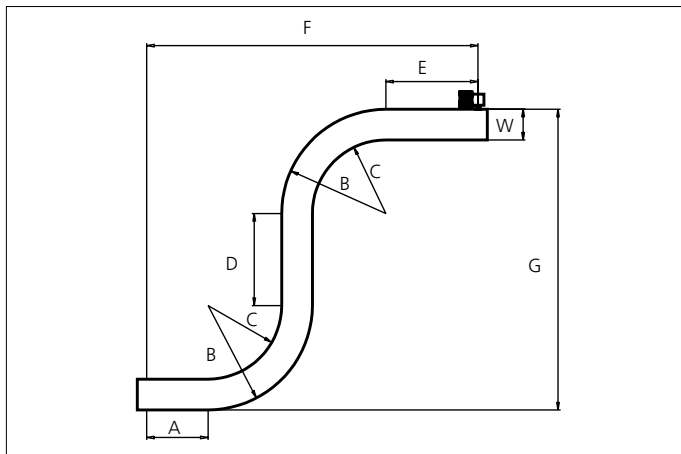
General belt tolerance is +0/-0.4% at 23°C/73°F. For exact belt width contact Customer Service. Non standard belt width on request.

*Max. Load per Drive Sprocket. Belt material: POM-D 2500 N (562 lbf), PP 1200 N (270 lbf).

**Max. Spacing between wear strips, Carry: 152 mm (6 in); Return: 304 mm (12 in).

 = Single Link

Design Guidelines



	47% Open Radius 2.2 47% Open Radius 2.2	50% Open Radius 1.6 (inside)
A	min. 1.5 x W	min. 1.5 x W
B	min. 3.2 x W	min. 2.6 x W
C	min. 2.2 x W	min. 1.6 x W
D	min. 2.0 x W	min. 2.0 x W
E	min. 2.0 x W	min. 2.0 x W
F	min. 8.9 x W	min. 7.7 x W
G	min. 8.4 x W	min. 7.2 x W

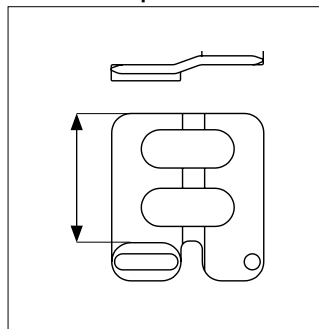
uni Flex L-ASB R1.6 can not be used in S-conveyors.

Accessories

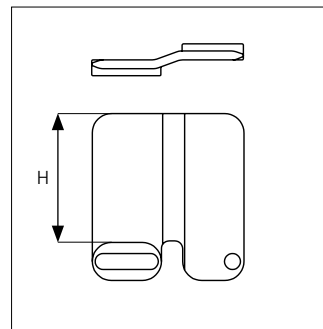
Side Guard



Side Guard Open



Side Guard

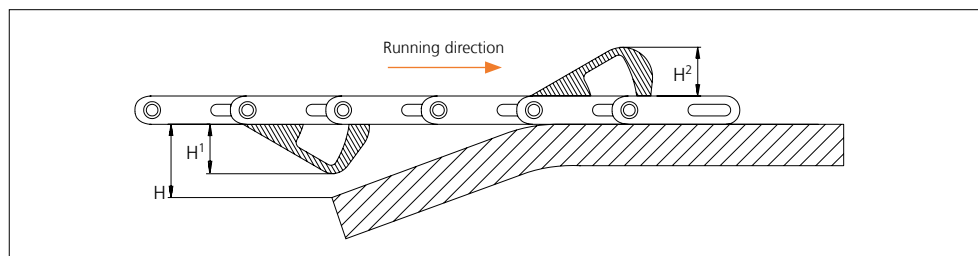
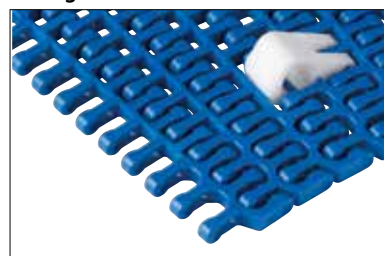


Type	Side Guard Material & color	H	
		mm	in
Side Guard	POM-D B W	10.0	0.39
		25.4	1.00
		50.0	1.97
Side Guard Open		50.0	1.97

* Min. indent for Side Guard is: 80.0 mm (3.15 in) and Increment 25.4 mm (1.00 in)
Non Standard material and color: See uni Material and Color Overview.

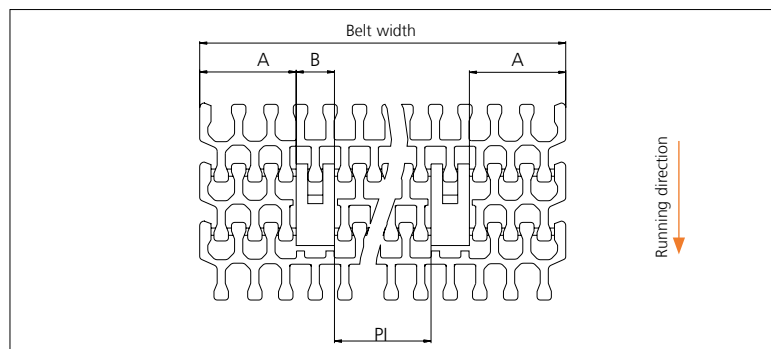
Accessories

AmFlight



Type	Material & color	H	H ¹		H ²	
			mm	in	mm	in
AmFlight	PE W	H > H ¹	25.4	1.00	26.0	1.02

Other Non Standard option: See uni AmFlight Overview.



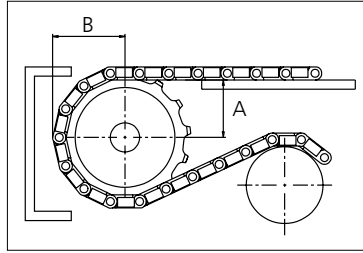
	mm	in
A min	83.0	3.27
B	33.0	1.30
PI min	68.5	2.70

Increment: 25.4 mm (1.00 in)

Sprocket

No. of teeth	Bore size													Overall diameter		Pitch diameter		Hub diameter		Dimension A		Dimension B		Single row/Two way	Double row/Two way	Molded PA6 LG	Machined PA6 N
	Pilot Bore	in	0.75	0.79	0.98	1.00	1.18	1.25	1.50	1.57	2.36	2.50	3.54														
	mm	19.1	20.0	25.0	25.4	30.0	31.8	38.1	40.0	60.0	63.5	90.0	mm	in	mm	in	mm	in	mm	in							
Z08	x				●	●			●				134.6	5.30	131.5	5.18	107.6	4.23	54.4	2.15	74.9	2.95	x			x	
Z10	x				●	●	●		●				168.3	6.63	164.0	6.46	141.3	5.56	71.4	2.81	90.8	3.57	x			x	
Z12	x				●		●	●	●	●		■	203.5	8.01	196.5	7.74	176.5	6.94	88.2	3.47	106.8	4.20	x			x	
Z15	x				●		●	●	●	●		■	253.4	9.98	245.4	9.66	226.4	8.91	113.2	4.46	131.0	5.16	x			x	

■ Machined sprocket ● Machined sprocket



Non standard material and color: See uni Material and Color Overview.

Other sprocket sizes are available upon request

Two-part sprocket are available upon request

Other bore sizes are available upon request

uni Retainer Rings: See uni Retainer Ring data sheet

Width of tooth = 15.0 mm (0.59 in)

Width of sprocket = 30.0 mm (1.18 in)

Max. load per sprocket shown does not take bore size into account.

Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni Flex L-ASB.

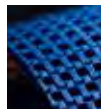
For more detailed sprocket information, contact Customer Service.



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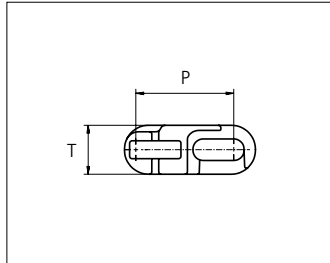
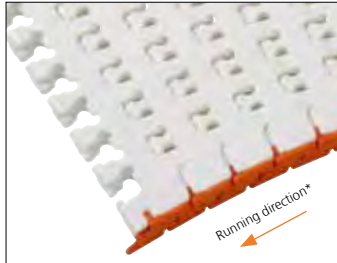
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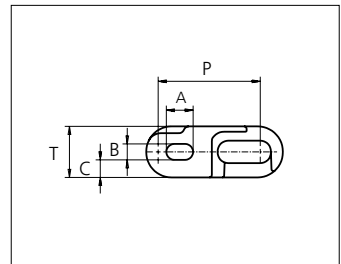
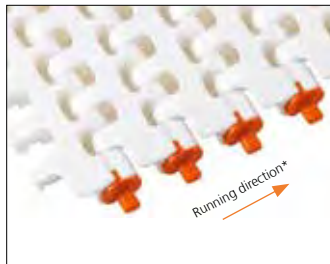
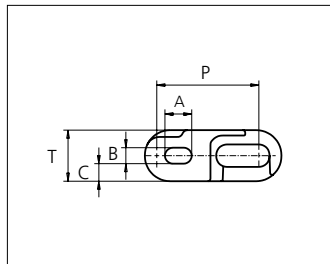
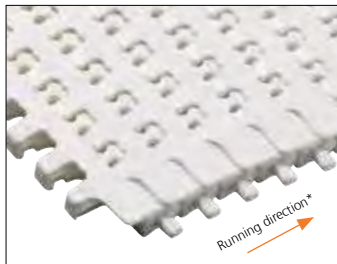
Plastic Modular Belt

Series uni Flex ONE



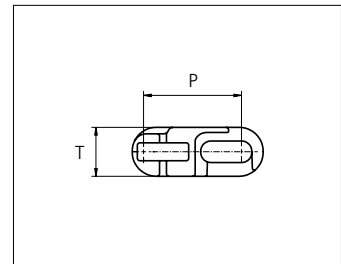
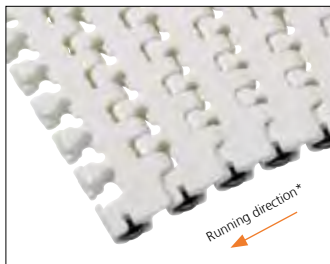
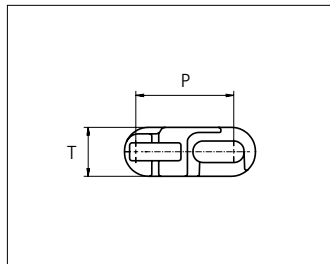
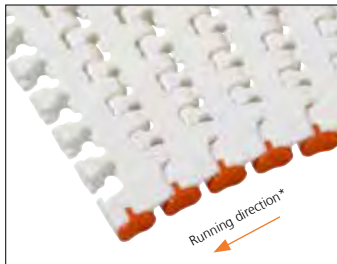
Sideflexing belt
 Nominal pitch: 38.1 mm (1.50 in)
 Surface type: Flat
 Surface opening: 15%
 Backflex radius: 50.0 mm (1.97 in)
 Min. inside radius R1.6 x belt width

uni Flex ONE EWC R1.6
 Surface Opening: 15%



uni Flex ONE O R1.6
 Surface Opening: 15%

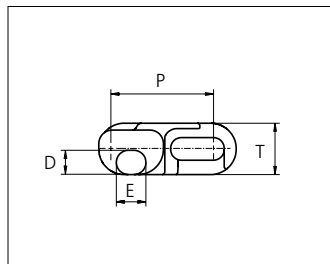
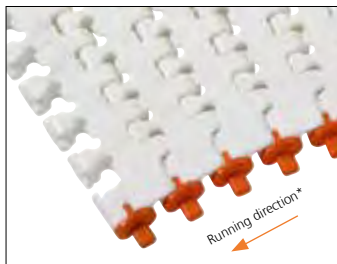
uni Flex ONE EO R1.6
 Surface Opening: 15%



uni Flex ONE EW R1.6
 Surface Opening: 15%

uni Flex ONE ER R1.6
 Surface Opening: 15%

uni Flex ONE ER is not available for use in North America.



uni Flex ONE EOO R1.6
 Surface Opening: 15%

*uni-chains recommends this travel direction. However travel in both directions is possible.

	mm	in		mm	in
P (Nominal)	38.1	1.50	D	9.0	0.35
A	10.0	0.39	E	11.0	0.43
B	5.9	0.23	T	19.1	0.75
C	6.6	0.26	-	-	-

Belt material & color	POM-SX W B **
O-Tab, Wearpart material & color	POM DK O
EWC Wearpart material & color	K750: POM DK Y K1200, K1500, K1800: POM DK O K2400: POM DK B

**Please note that uni Flex ONE in POM-SX blue is not according to the standard color quality for blue. Small variations may occur.



STANDARD
 SIDE FLEXING
 PITCH 38.1 MM/1.50 IN

Belt width			Type	Permissible tensile force Belt/pin material				Belt weight Belt material		*Recommended No. drive sprocket per shaft	Number of wear strips (Min No.)	
				POM-SX				POM-SX			**Carry (pcs)	**Return (pcs)
Size	mm	in		Straight sections		Curve sections		kg/m	lb/ft			
			N	lbf	N	lbf						
K750	190.5	7.5	O	2400	540	2000	450	2.5	1.68	2	2	2
			EW					2.4	1.61			
			EO/EOO					2.5	1.68			
			ER					2.6	1.75			
			EWC					2.7	1.81			
K1200	304.8	12.0	O	4000	899	3400	764	4.0	2.69	4	3	2
			EW					3.9	2.62			
			EO/EOO					4.0	2.69			
			ER					4.1	2.76			
			EWC					4.2	2.82			
K1500	381.0	15.0	O	6400	1439	3500	787	4.9	3.29	6	3	2
			EW					4.9	3.29			
			EO/EOO					4.9	3.29			
			ER					5.0	3.36			
			EWC					5.1	3.43			
K1800	457.2	18.0	O	8200	1843	3600	809	6.1	4.10	6	4	2
			EW					6.1	4.10			
			EO/EOO					6.1	4.10			
			ER					6.2	4.17			
			EWC					6.2	4.17			
K2400	609.6	24.0	O	12000	2698	3800	854	7.9	5.31	6	5	3
			EW					7.8	5.24			
			EO/EOO					7.8	5.24			
			ER					7.9	5.31			
			EWC					8.1	5.44			

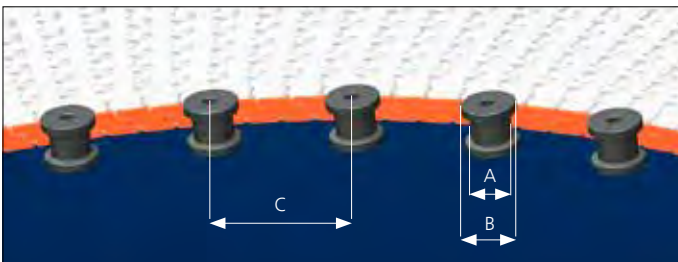
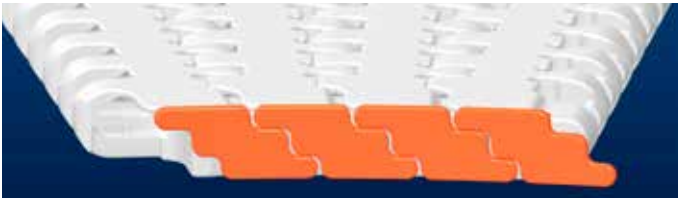
General belt tolerance is +0/-0.4% at 23°C/73°F.

*Max. Load per Drive Sprocket. Belt material: POM-SX 2500 N (562 lbf).

**Max. Spacing between wear strips, Carry: 152 mm (6 in); Return: 304 mm (12 in).

Design Guide Lines

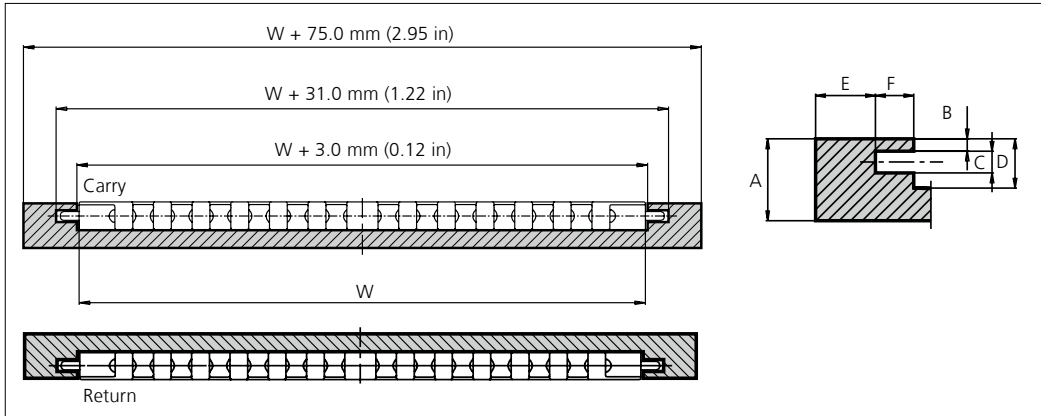
uni Flex One EWC



	mm	in
A	min \varnothing 30	min \varnothing 1¼
B	A + min 12	A + min ½
C	100-150	4-6

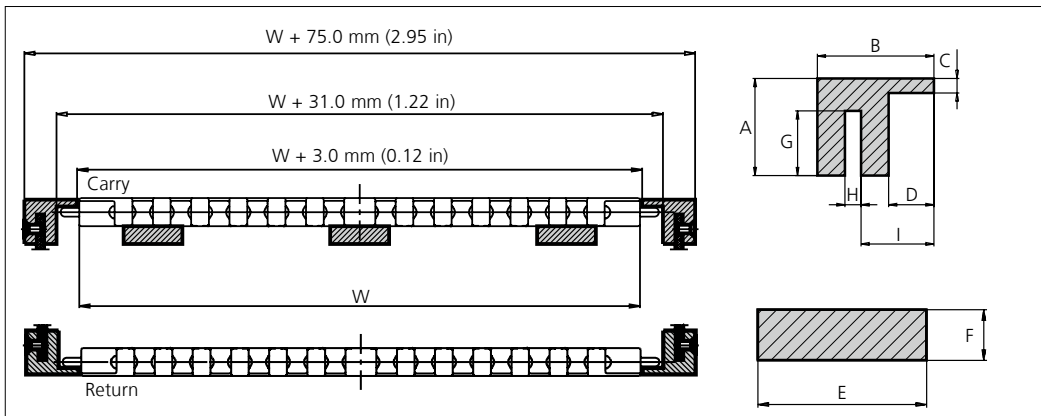
Profiles for uni Flex ONE O/EO

Compact Profile Configuration



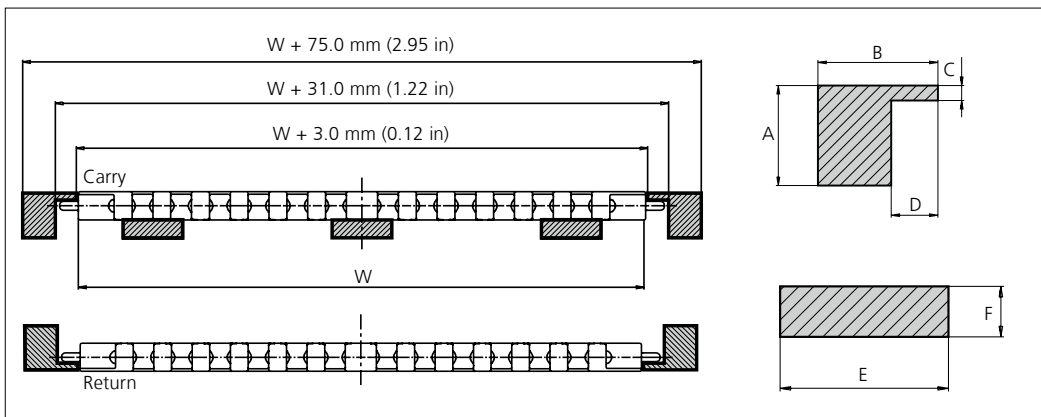
	mm	in
A	30.0	1.18
B	4.5	0.18
C	8.0	0.31
D	18.0	0.71
E	22.0	0.87
F	14.0	0.55

Slotted Wearstrip Configuration



	mm	in
A	30.0	1.18
B	36.0	1.42
C	4.5	0.18
D	14.0	0.55
E	40.0	1.57
F	12.0	0.47
G	20.0	0.79
H	5.0	0.20
I	22.5	0.89

Solid Wearstrip Configuration



	mm	in
A	30.0	1.18
B	36.0	1.42
C	4.5	0.18
D	14.0	0.55
E	40.0	1.57
F	12.0	0.47

uni Flex ONE O

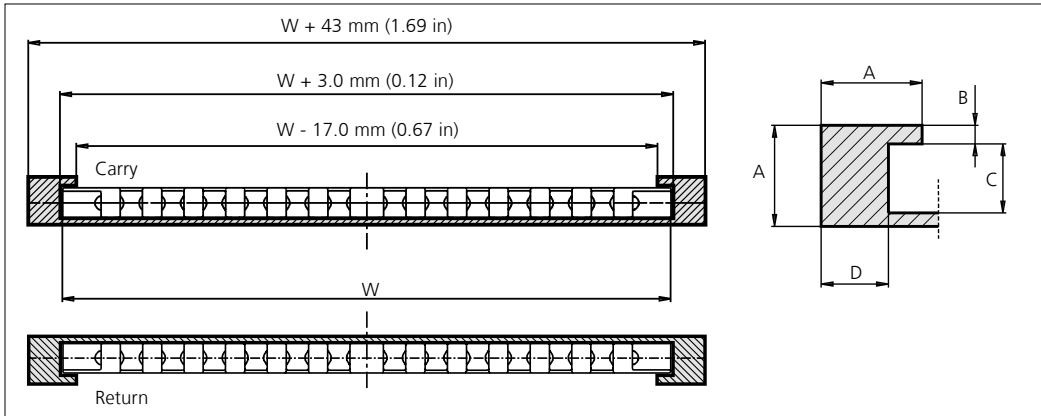
Using the uni Flex ONE with O-Tab and a slotted wearstrip, the O-Tab will allow the transported products to be wider than the belt. O-Tabs are molded into the belt to ensure cleanability and are preferred for direct food contact.

uni Flex ONE EO (Exchangeable O-Tab)

Exchangeable O-Tab system is made of heat and wear resistant material to improve performance between the belt edge and the wearstrip. Using a slotted wearstrip the exchangeable O-Tab will track the belt and allow the transported products to be wider than the belt. Resists high curve load at increased speed.

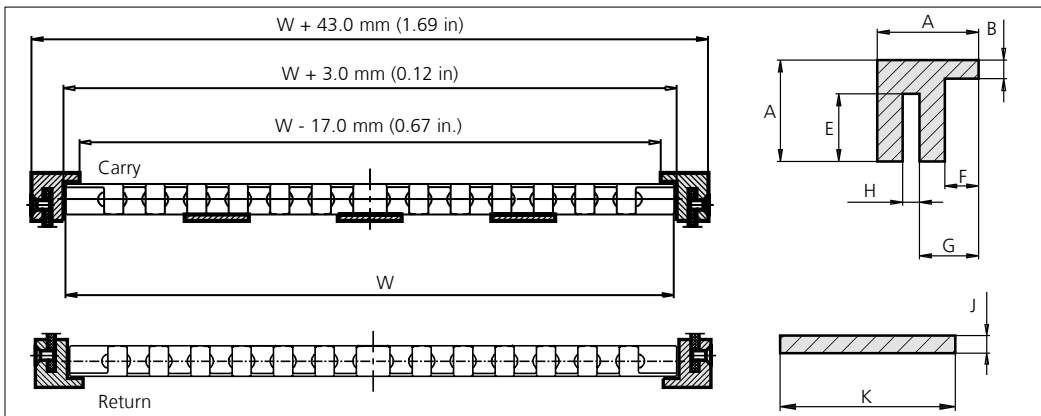
Profiles for uni Flex ONE EW/ER

Compact Profile Configuration



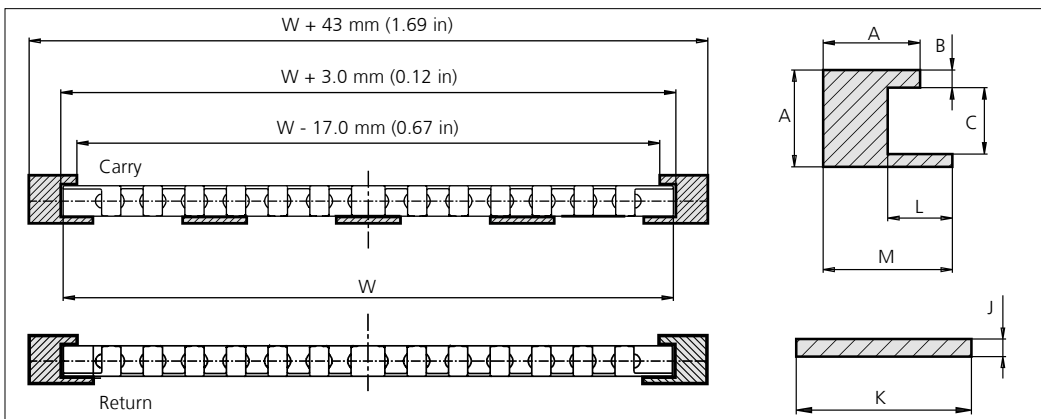
	mm	in
A	30.0	1.18
B	5.5	0.22
C	20.5	0.81
D	20.0	0.79

Slotted Wearstrip Configuration



	mm	in
A	30.0	1.18
B	5.5	0.22
E	20.0	0.79
F	10.0	0.39
G	17.5	0.69
H	5.0	0.20
J	4.0	0.16
K	40.0	1.57

Solid Wearstrip Configuration



	mm	in
A	30.0	1.18
B	5.5	0.22
C	20.5	0.81
J	4.0	0.16
K	40.0	1.57
L	20.0	0.79
M	40.0	1.57

uni Flex ONE EW (Exchangeable Wearpart)

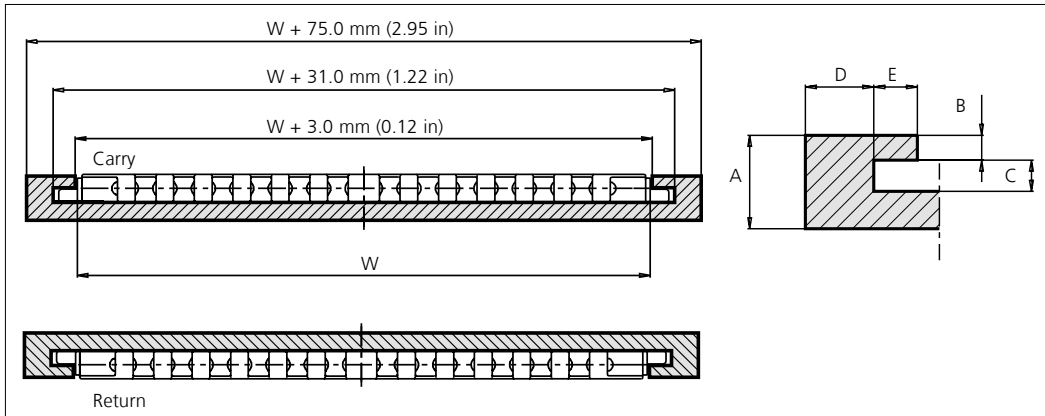
Exchangeable Wearpart system is made of heat and wear resistant material to improve performance between the belt edge and the wearstrip. This Wearpart can easily be replaced. Resists high curve load at increased speed.

uni Flex ONE ER (Exchangeable Edge Roller)

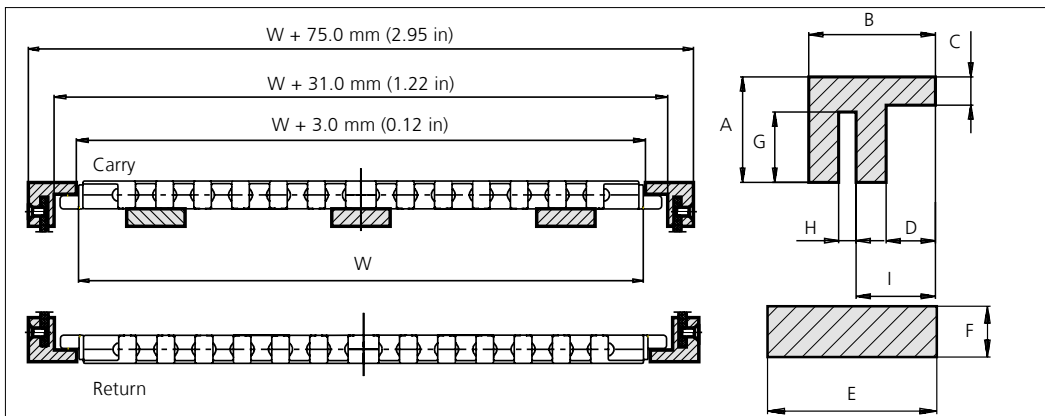
uni Flex ONE with Exchangeable Edge Rollers reduces friction in curves to a minimum making it very suitable for applications with many curves e.g. static spirals (non rotating drum) or high speed sideflexing conveyors.

Profiles for uni Flex ONE EOO

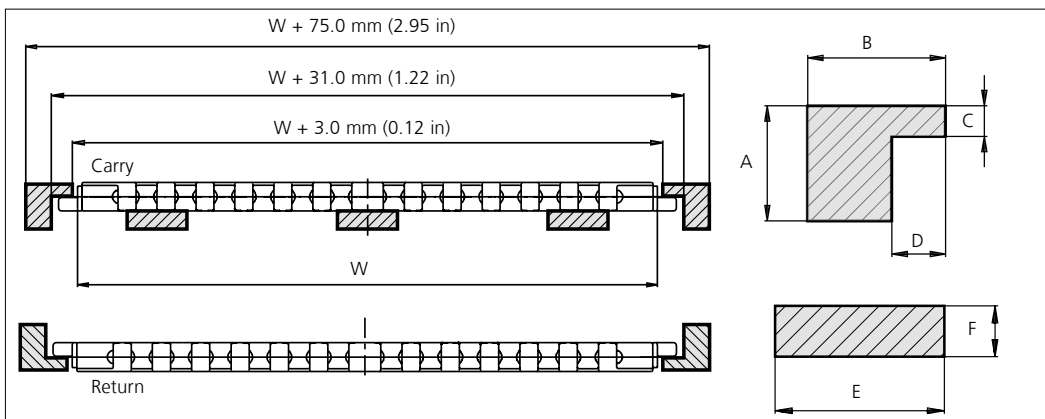
Compact Profile Configuration



Slotted Wearstrip Configuration



Solid Wearstrip Configuration

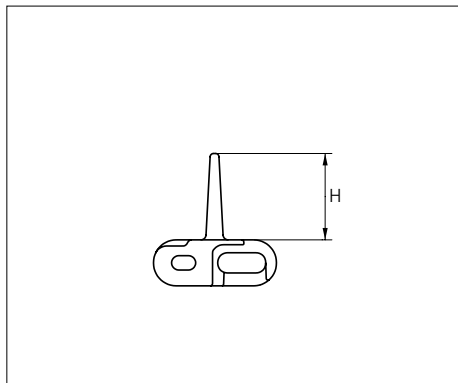
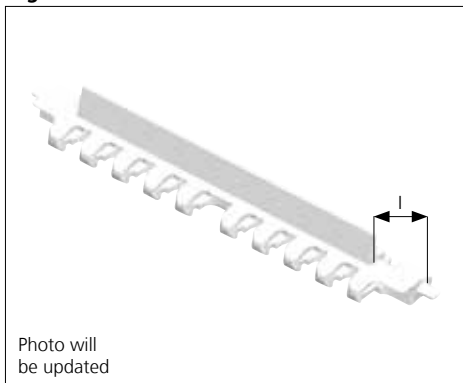


uni Flex ONE EOO (Exchangeable Offset O-Tab)

Exchangeable O-Tab system is made of heat and wear resistant material to improve performance between the belt edge and the wearstrip. Using a slotted wearstrip the exchangeable O-Tab will track the belt and allow the transported products to be wider than the belt. Resists high curve load at increased speed.

Accessories

Flight

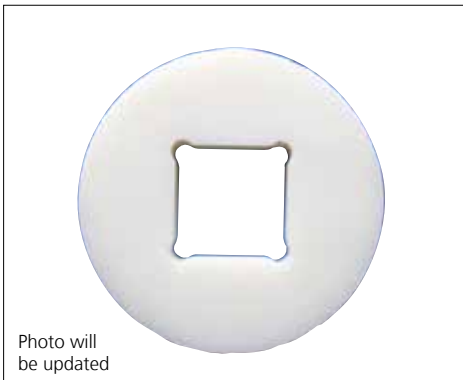


Type	Standard belt material & color	Height (H)		Indent (I)		Link size	Width	
		mm	in	mm	in		mm	in
Flight	POM-SX W B *	25.4	1.00	32.0	1.26	K1200	304.8	12.0

* Please note that uni Flex ONE in POM-SX blue is not according to the standard color quality for blue. Small variations may occur.
Non Standard material and color: See uni Material and Color Overview.

Accessories

Idler

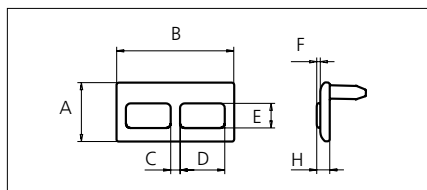
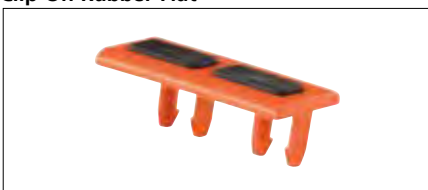


Type	Standard material & color	No. of teeth	Diameter idler	
			mm	in
Idler	POM-D N	8	72.9	2.87
		9	85.6	3.37
		11	110.7	4.36
		12	123.1	4.85
		13	135.5	5.33
		16	172.4	6.79

Thickness of idler: 20.0 mm (0.79 in).
Recommended for use at idler end to ensure smooth and low noise operation.
Non Standard material and color: See uni Material and Color Overview.

Accessories

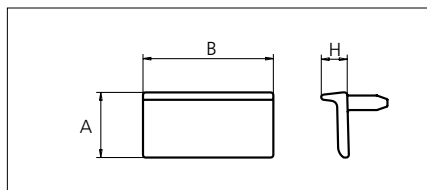
Clip On Rubber Flat



	mm	in
A	25.0	0.98
B	50.0	1.97
C	4.0	0.16
D	19.0	0.75
E	10.5	0.41
F	1.5	0.06

Accessories

Clip On Flight



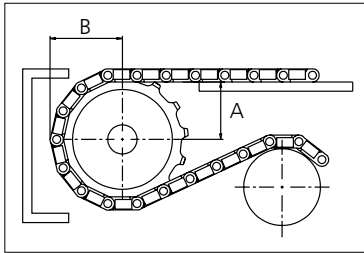
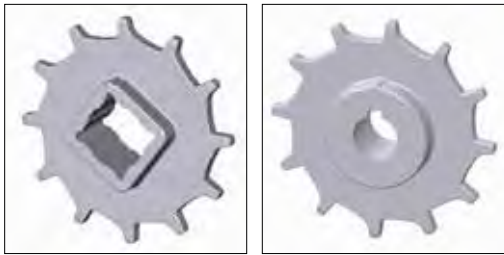
Type	Height (H)		Standard materials & colors
	mm	in	
uni Flex ONE Clip On Rubber Flat	5.5	0.22	POM-D O + Rubber 01 K
uni Flex ONE Clip On Flight	10.0	0.39	POM-D O

Sprocket

No. of teeth	Pilot Bore	Bore size											Overall diameter		Pitch diameter		Hub diameter		Dimension A		Dimension B		Single row/Two way	Double row/Two way	Machined	
		in	0.75	0.79	0.98	1.00	1.18	1.25	1.50	1.57	2.36	2.50													3.54	PAG
		mm	19.1	20.0	25.0	25.4	30.0	31.8	38.1	40.0	60.0	63.5	90.0	mm	in	mm	in	mm	in	mm	in	Molded			Machined	
Z08	x				■	●	●		●				99.9	3.93	101.0	3.98	60.0	2.36	36.5	1.44	59.0	2.32	x		x	
Z09	x					●	●		●				111.4	4.39	113.7	4.48	70.0	2.76	42.8	1.69	64.9	2.56	x		x	
Z09									■	■			111.4	4.39	113.7	4.48	74.0	2.91	42.8	1.69	64.9	2.56	x		x	
Z11	x					●	●	●					135.2	5.32	138.8	5.46	70.0	2.76	55.4	2.18	76.9	3.03	x		x	
Z11									■	■			135.2	5.32	138.8	5.46	74.0	2.91	55.4	2.18	76.9	3.03	x		x	
Z12	x					●	●	●	●				147.2	5.80	151.2	5.95	70.0	2.76	61.6	2.43	82.9	3.26	x		x	
Z12									■	■			147.2	5.80	151.2	5.95	74.0	2.91	61.6	2.43	82.9	3.26	x		x	
Z13	x					●	●	●	●				159.2	6.27	163.6	6.44	70.0	2.76	67.8	2.67	88.9	3.50	x		x	
Z13									■	■			159.2	6.27	163.6	6.44	74.0	2.91	67.8	2.67	88.9	3.50	x		x	
Z16	x					●	●	●	●				195.3	7.69	200.5	7.89	70.0	2.76	86.3	3.40	107.0	4.21	x		x	
Z16									■	■			195.3	7.69	200.5	7.89	74.0	2.91	86.3	3.40	107.0	4.21	x		x	

■ Molded sprocket

● Molded sprocket



Other sprocket sizes are available upon request
 Other bore sizes are available upon request
 uni Retainer Rings: See uni Retainer Ring data sheet
 Width of tooth = 9.0 mm (0.35 in)
 Width of sprocket = 39.0 mm (1.54 in)

Max. load per sprocket shown does not take bore size into account.
 Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni Flex ONE.
 For more detailed sprocket information, contact Customer Service.

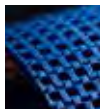
Non standard material and color: See uni Material and Color Overview.



Conveyor Belts



Seamless Belts



Modular Belts



Timing Belts



Transmission Belts



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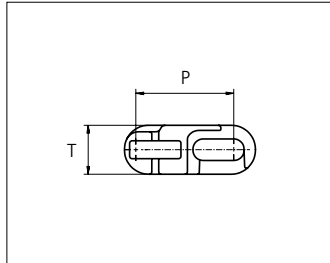
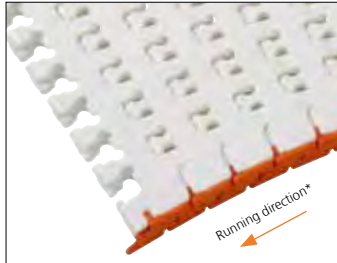
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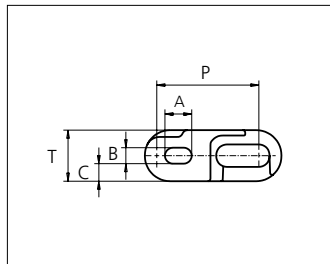
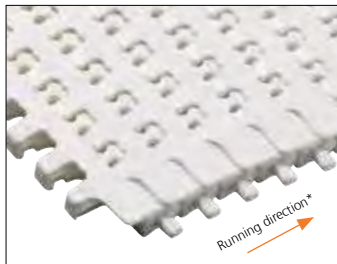
Plastic Modular Belt

Series uni Flex ONE

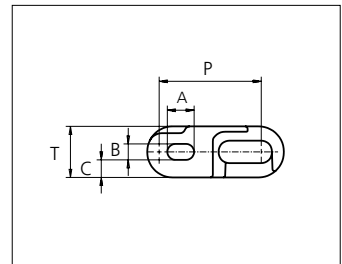
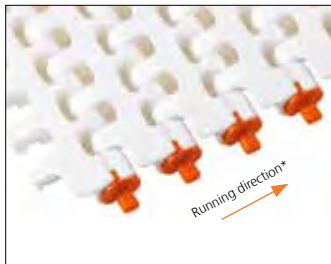


Sideflexing belt
 Nominal pitch: 38.1 mm (1.50 in)
 Surface type: Flat
 Surface opening: 15%
 Backflex radius: 50.0 mm (1.97 in)
 Min. inside radius R1.6 x belt width

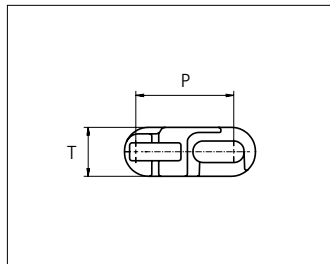
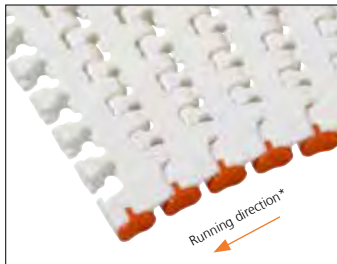
uni Flex ONE EWC R1.6
 Surface Opening: 15%



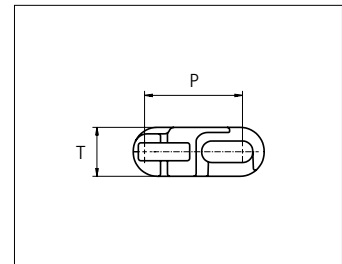
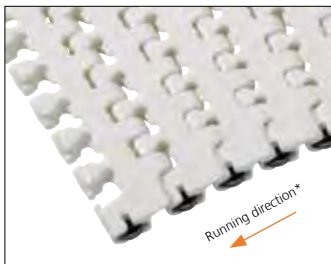
uni Flex ONE O R1.6
 Surface Opening: 15%



uni Flex ONE EO R1.6
 Surface Opening: 15%

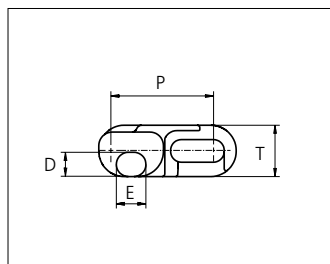
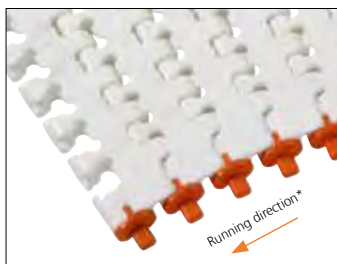


uni Flex ONE EW R1.6
 Surface Opening: 15%



uni Flex ONE ER R1.6
 Surface Opening: 15%

uni Flex ONE ER is not available for use in North America.



uni Flex ONE EOO R1.6
 Surface Opening: 15%

*uni-chains recommends this travel direction. However travel in both directions is possible.

	mm	in		mm	in
P (Nominal)	38.1	1.50	D	9.0	0.35
A	10.0	0.39	E	11.0	0.43
B	5.9	0.23	T	19.1	0.75
C	6.6	0.26	-	-	-

Belt material & color	POM-SX W B **
O-Tab, Wearpart material & color	POM DK O
EWC Wearpart material & color	K750: POM DK Y K1200, K1500, K1800: POM DK O K2400: POM DK B

**Please note that uni Flex ONE in POM-SX blue is not according to the standard color quality for blue. Small variations may occur.



STANDARD

SIDE FLEXING

PITCH 38.1 MM/1.50 IN

Belt width			Type	Permissible tensile force Belt/pin material				Belt weight Belt material		*Recommended No. drive sprocket per shaft	Number of wear strips (Min No.)	
				POM-SX				POM-SX			**Carry (pcs)	**Return (pcs)
Size	mm	in		Straight sections		Curve sections		kg/m	lb/ft			
			N	lbf	N	lbf						
K750	190.5	7.5	O	2400	540	2000	450	2.5	1.68	2	2	2
			EW					2.4	1.61			
			EO/EOO					2.5	1.68			
			ER					2.6	1.75			
			EWC					2.7	1.81			
K1200	304.8	12.0	O	4000	899	3400	764	4.0	2.69	4	3	2
			EW					3.9	2.62			
			EO/EOO					4.0	2.69			
			ER					4.1	2.76			
			EWC					4.2	2.82			
K1500	381.0	15.0	O	6400	1439	3500	787	4.9	3.29	6	3	2
			EW					4.9	3.29			
			EO/EOO					4.9	3.29			
			ER					5.0	3.36			
			EWC					5.1	3.43			
K1800	457.2	18.0	O	8200	1843	3600	809	6.1	4.10	6	4	2
			EW					6.1	4.10			
			EO/EOO					6.1	4.10			
			ER					6.2	4.17			
			EWC					6.2	4.17			
K2400	609.6	24.0	O	12000	2698	3800	854	7.9	5.31	6	5	3
			EW					7.8	5.24			
			EO/EOO					7.8	5.24			
			ER					7.9	5.31			
			EWC					8.1	5.44			

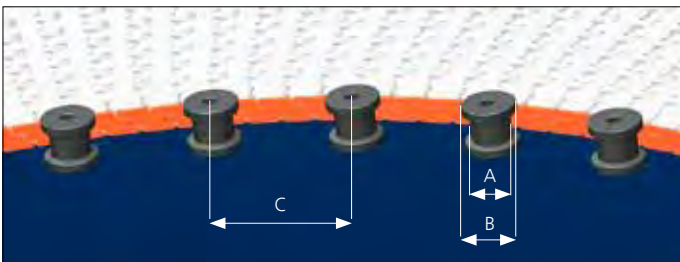
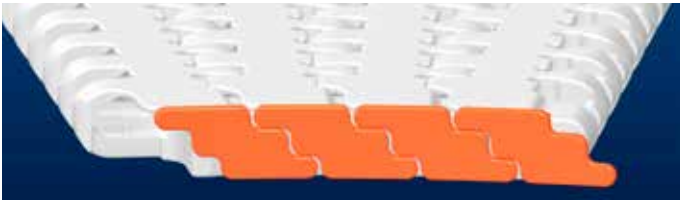
General belt tolerance is +0/-0.4% at 23°C/73°F.

*Max. Load per Drive Sprocket. Belt material: POM-SX 2500 N (562 lbf).

**Max. Spacing between wear strips, Carry: 152 mm (6 in); Return: 304 mm (12 in).

Design Guide Lines

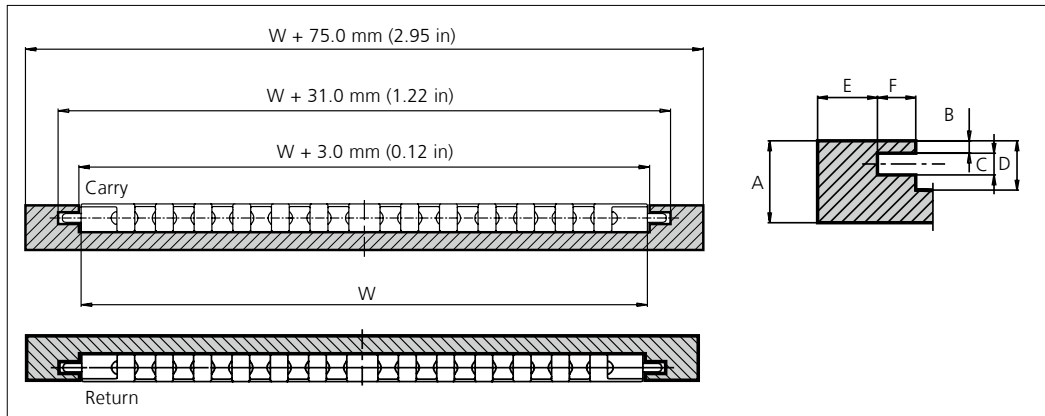
uni Flex One EWC



	mm	in
A	min \varnothing 30	min \varnothing 1¼
B	A + min 12	A + min ½
C	100-150	4-6

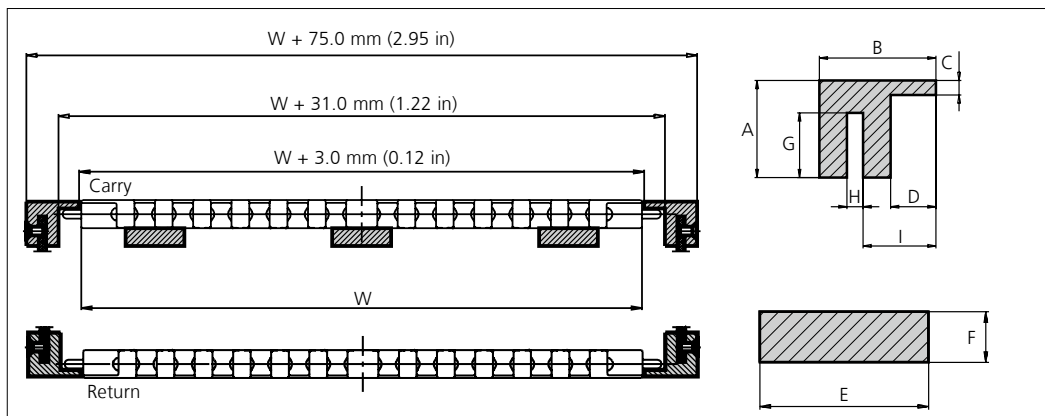
Profiles for uni Flex ONE O/EO

Compact Profile Configuration



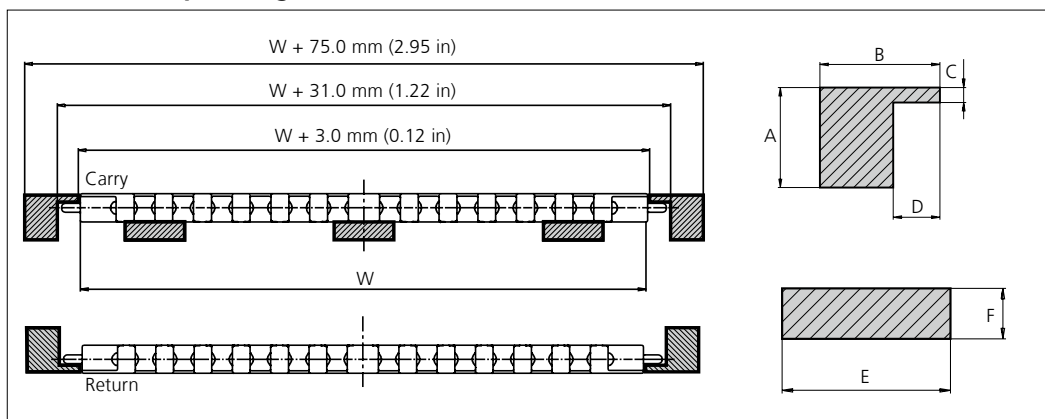
	mm	in
A	30.0	1.18
B	4.5	0.18
C	8.0	0.31
D	18.0	0.71
E	22.0	0.87
F	14.0	0.55

Slotted Wearstrip Configuration



	mm	in
A	30.0	1.18
B	36.0	1.42
C	4.5	0.18
D	14.0	0.55
E	40.0	1.57
F	12.0	0.47
G	20.0	0.79
H	5.0	0.20
I	22.5	0.89

Solid Wearstrip Configuration



	mm	in
A	30.0	1.18
B	36.0	1.42
C	4.5	0.18
D	14.0	0.55
E	40.0	1.57
F	12.0	0.47

uni Flex ONE O

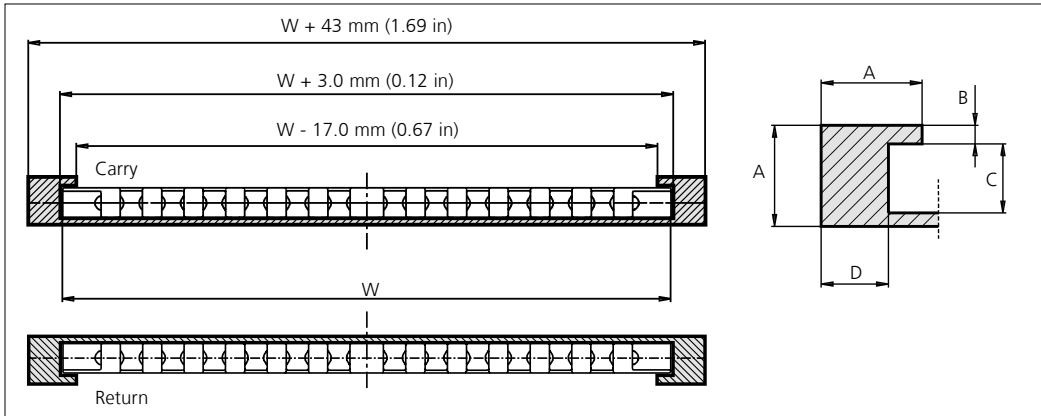
Using the uni Flex ONE with O-Tab and a slotted wearstrip, the O-Tab will allow the transported products to be wider than the belt. O-Tabs are molded into the belt to ensure cleanability and are preferred for direct food contact.

uni Flex ONE EO (Exchangeable O-Tab)

Exchangeable O-Tab system is made of heat and wear resistant material to improve performance between the belt edge and the wearstrip. Using a slotted wearstrip the exchangeable O-Tab will track the belt and allow the transported products to be wider than the belt. Resists high curve load at increased speed.

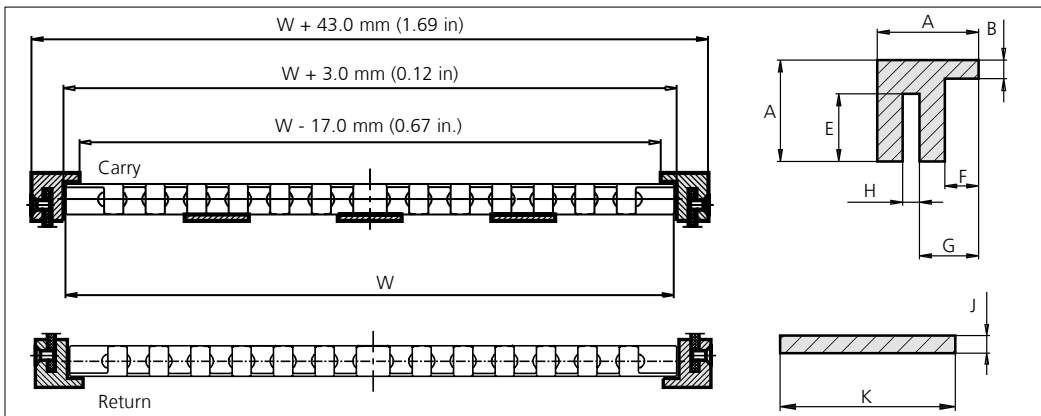
Profiles for uni Flex ONE EW/ER

Compact Profile Configuration



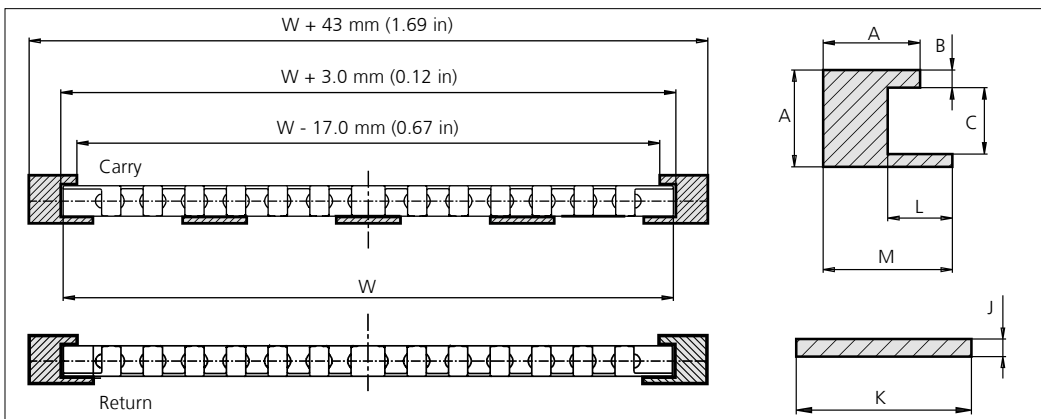
	mm	in
A	30.0	1.18
B	5.5	0.22
C	20.5	0.81
D	20.0	0.79

Slotted Wearstrip Configuration



	mm	in
A	30.0	1.18
B	5.5	0.22
E	20.0	0.79
F	10.0	0.39
G	17.5	0.69
H	5.0	0.20
J	4.0	0.16
K	40.0	1.57

Solid Wearstrip Configuration



	mm	in
A	30.0	1.18
B	5.5	0.22
C	20.5	0.81
J	4.0	0.16
K	40.0	1.57
L	20.0	0.79
M	40.0	1.57

uni Flex ONE EW (Exchangeable Wearpart)

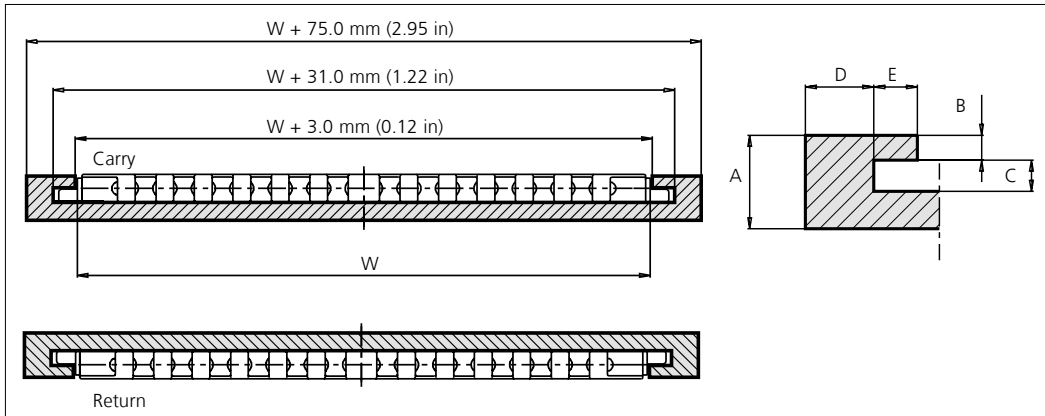
Exchangeable Wearpart system is made of heat and wear resistant material to improve performance between the belt edge and the wearstrip. This Wearpart can easily be replaced. Resists high curve load at increased speed.

uni Flex ONE ER (Exchangeable Edge Roller)

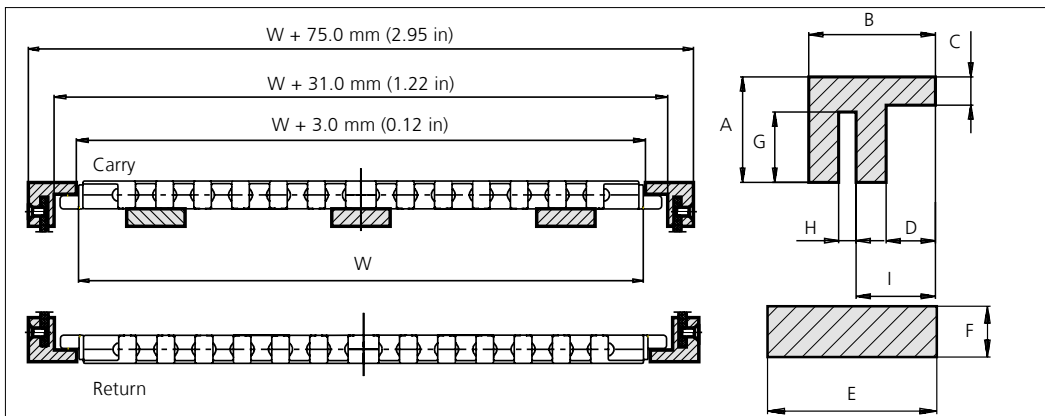
uni Flex ONE with Exchangeable Edge Rollers reduces friction in curves to a minimum making it very suitable for applications with many curves e.g. static spirals (non rotating drum) or high speed sideflexing conveyors.

Profiles for uni Flex ONE EOO

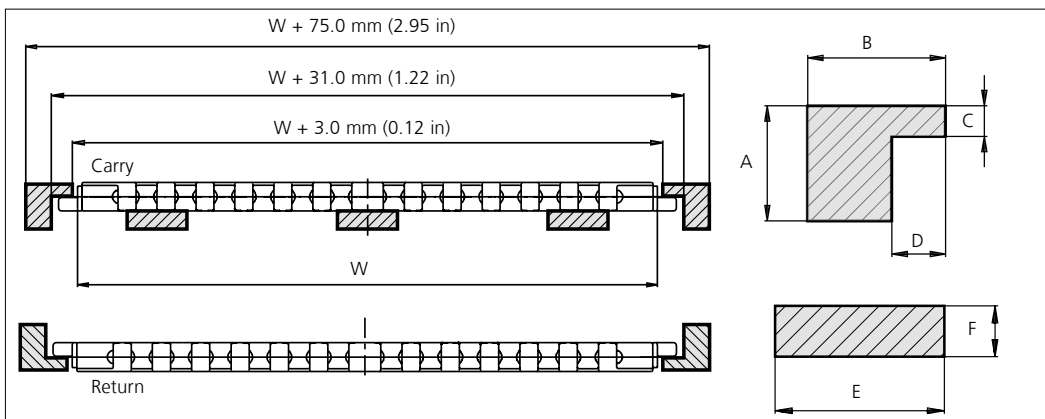
Compact Profile Configuration



Slotted Wearstrip Configuration



Solid Wearstrip Configuration

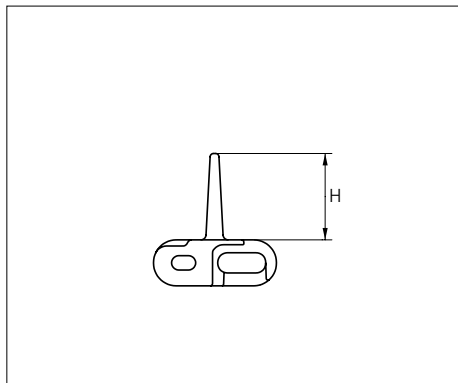
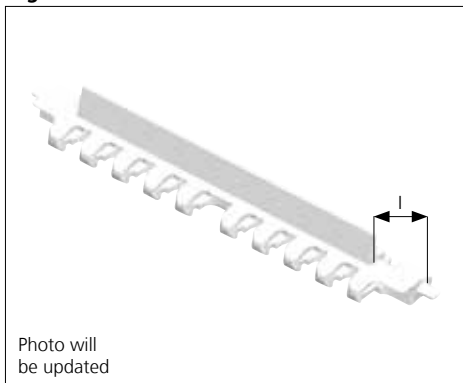


uni Flex ONE EOO (Exchangeable Offset O-Tab)

Exchangeable O-Tab system is made of heat and wear resistant material to improve performance between the belt edge and the wearstrip. Using a slotted wearstrip the exchangeable O-Tab will track the belt and allow the transported products to be wider than the belt. Resists high curve load at increased speed.

Accessories

Flight

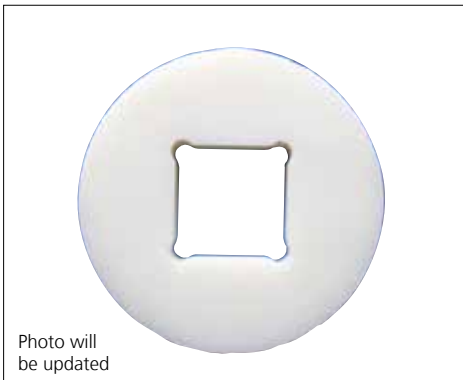


Type	Standard belt material & color	Height (H)		Indent (I)		Link size	Width	
		mm	in	mm	in		mm	in
Flight	POM-SX W B *	25.4	1.00	32.0	1.26	K1200	304.8	12.0

* Please note that uni Flex ONE in POM-SX blue is not according to the standard color quality for blue. Small variations may occur.
Non Standard material and color: See uni Material and Color Overview.

Accessories

Idler

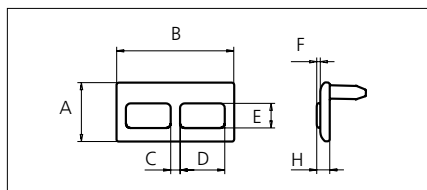
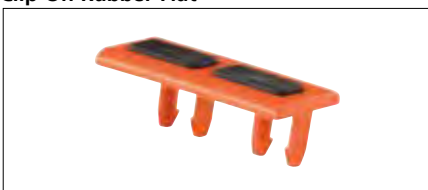


Type	Standard material & color	No. of teeth	Diameter idler	
			mm	in
Idler	POM-D N	8	72.9	2.87
		9	85.6	3.37
		11	110.7	4.36
		12	123.1	4.85
		13	135.5	5.33
		16	172.4	6.79

Thickness of idler: 20.0 mm (0.79 in).
Recommended for use at idler end to ensure smooth and low noise operation.
Non Standard material and color: See uni Material and Color Overview.

Accessories

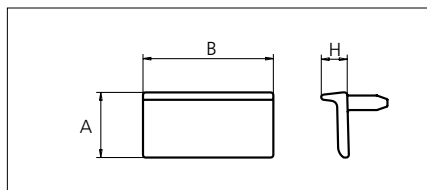
Clip On Rubber Flat



	mm	in
A	25.0	0.98
B	50.0	1.97
C	4.0	0.16
D	19.0	0.75
E	10.5	0.41
F	1.5	0.06

Accessories

Clip On Flight

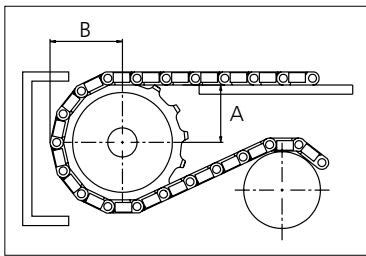


Type	Height (H)		Standard materials & colors
	mm	in	
uni Flex ONE Clip On Rubber Flat	5.5	0.22	POM-D O + Rubber 01 K
uni Flex ONE Clip On Flight	10.0	0.39	POM-D O

Sprocket

No. of teeth	Pilot Bore	Bore size											Overall diameter		Pitch diameter		Hub diameter		Dimension A		Dimension B		Single row/Two way	Double row/Two way	Machined	
		in	0.75	0.79	0.98	1.00	1.18	1.25	1.50	1.57	2.36	2.50													3.54	PAG
		mm	19.1	20.0	25.0	25.4	30.0	31.8	38.1	40.0	60.0	63.5	90.0	mm	in	mm	in	mm	in	mm	in	Molded			Machined	
Z08	x				■	●	●		●				99.9	3.93	101.0	3.98	60.0	2.36	36.5	1.44	59.0	2.32	x		x	
Z09	x					●	●		●				111.4	4.39	113.7	4.48	70.0	2.76	42.8	1.69	64.9	2.56	x		x	
Z09									■	■			111.4	4.39	113.7	4.48	74.0	2.91	42.8	1.69	64.9	2.56	x		x	
Z11	x					●	●	●					135.2	5.32	138.8	5.46	70.0	2.76	55.4	2.18	76.9	3.03	x		x	
Z11									■	■			135.2	5.32	138.8	5.46	74.0	2.91	55.4	2.18	76.9	3.03	x		x	
Z12	x					●	●	●	●				147.2	5.80	151.2	5.95	70.0	2.76	61.6	2.43	82.9	3.26	x		x	
Z12									■	■			147.2	5.80	151.2	5.95	74.0	2.91	61.6	2.43	82.9	3.26	x		x	
Z13	x					●	●	●	●				159.2	6.27	163.6	6.44	70.0	2.76	67.8	2.67	88.9	3.50	x		x	
Z13									■	■			159.2	6.27	163.6	6.44	74.0	2.91	67.8	2.67	88.9	3.50	x		x	
Z16	x					●	●	●	●				195.3	7.69	200.5	7.89	70.0	2.76	86.3	3.40	107.0	4.21	x		x	
Z16									■	■			195.3	7.69	200.5	7.89	74.0	2.91	86.3	3.40	107.0	4.21	x		x	

■ Molded sprocket ● Molded sprocket



Other sprocket sizes are available upon request
 Other bore sizes are available upon request
 uni Retainer Rings: See uni Retainer Ring data sheet
 Width of tooth = 9.0 mm (0.35 in)
 Width of sprocket = 39.0 mm (1.54 in)

Max. load per sprocket shown does not take bore size into account.
 Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni Flex ONE.
 For more detailed sprocket information, contact Customer Service.

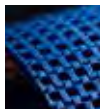
Non standard material and color: See uni Material and Color Overview.



Conveyor Belts



Seamless Belts



Modular Belts



Timing Belts



Transmission Belts



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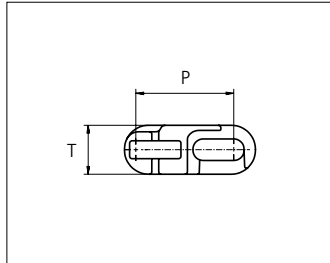
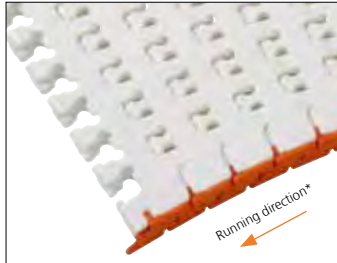
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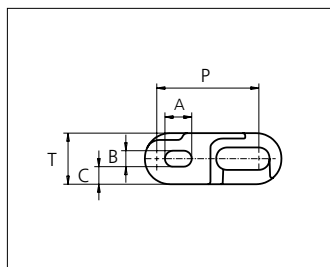
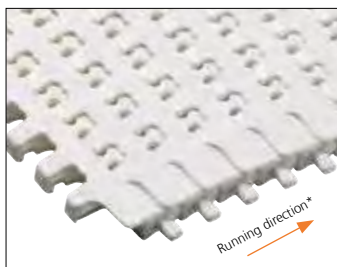
Plastic Modular Belt

Series uni Flex ONE

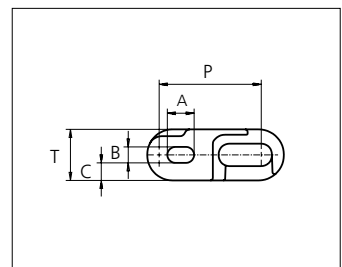
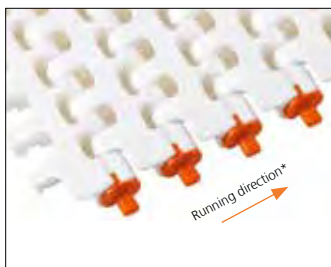


Sideflexing belt
 Nominal pitch: 38.1 mm (1.50 in)
 Surface type: Flat
 Surface opening: 15%
 Backflex radius: 50.0 mm (1.97 in)
 Min. inside radius R1.6 x belt width

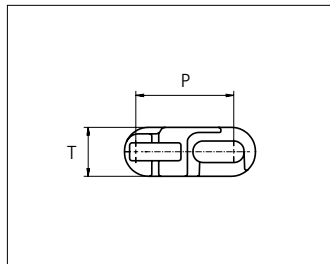
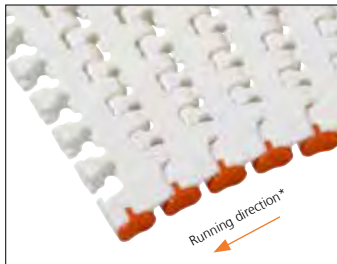
uni Flex ONE EWC R1.6
 Surface Opening: 15%



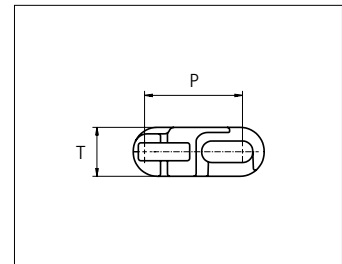
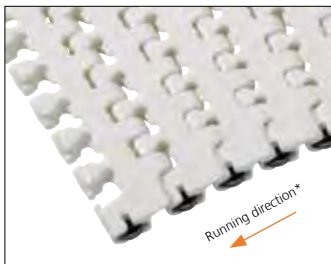
uni Flex ONE O R1.6
 Surface Opening: 15%



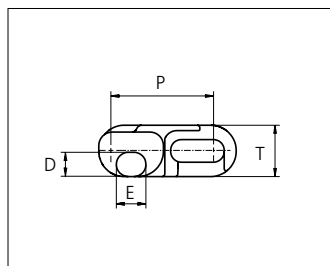
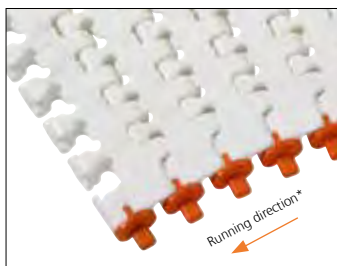
uni Flex ONE EO R1.6
 Surface Opening: 15%



uni Flex ONE EW R1.6
 Surface Opening: 15%



uni Flex ONE ER R1.6
 Surface Opening: 15%
 uni Flex ONE ER is not available for use in North America.



uni Flex ONE EOO R1.6
 Surface Opening: 15%

*uni-chains recommends this travel direction. However travel in both directions is possible.

	mm	in		mm	in
P (Nominal)	38.1	1.50	D	9.0	0.35
A	10.0	0.39	E	11.0	0.43
B	5.9	0.23	T	19.1	0.75
C	6.6	0.26	-	-	-

Belt material & color	POM-SX W B **
O-Tab, Wearpart material & color	POM DK O
EWC Wearpart material & color	K750: POM DK Y K1200, K1500, K1800: POM DK O K2400: POM DK B

**Please note that uni Flex ONE in POM-SX blue is not according to the standard color quality for blue. Small variations may occur.



STANDARD
 SIDE FLEXING
 PITCH 38.1 MM/1.50 IN

Belt width			Type	Permissible tensile force Belt/pin material				Belt weight Belt material		*Recommended No. drive sprocket per shaft	Number of wear strips (Min No.)	
				POM-SX				POM-SX			**Carry (pcs)	**Return (pcs)
Size	mm	in		Straight sections		Curve sections		kg/m	lb/ft			
			N	lbf	N	lbf						
K750	190.5	7.5	O	2400	540	2000	450	2.5	1.68	2	2	2
			EW					2.4	1.61			
			EO/EOO					2.5	1.68			
			ER					2.6	1.75			
			EWC					2.7	1.81			
K1200	304.8	12.0	O	4000	899	3400	764	4.0	2.69	4	3	2
			EW					3.9	2.62			
			EO/EOO					4.0	2.69			
			ER					4.1	2.76			
			EWC					4.2	2.82			
K1500	381.0	15.0	O	6400	1439	3500	787	4.9	3.29	6	3	2
			EW					4.9	3.29			
			EO/EOO					4.9	3.29			
			ER					5.0	3.36			
			EWC					5.1	3.43			
K1800	457.2	18.0	O	8200	1843	3600	809	6.1	4.10	6	4	2
			EW					6.1	4.10			
			EO/EOO					6.1	4.10			
			ER					6.2	4.17			
			EWC					6.2	4.17			
K2400	609.6	24.0	O	12000	2698	3800	854	7.9	5.31	6	5	3
			EW					7.8	5.24			
			EO/EOO					7.8	5.24			
			ER					7.9	5.31			
			EWC					8.1	5.44			

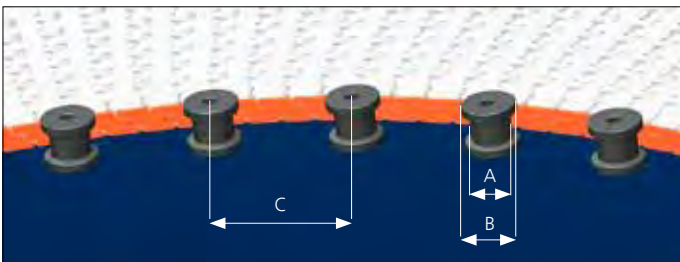
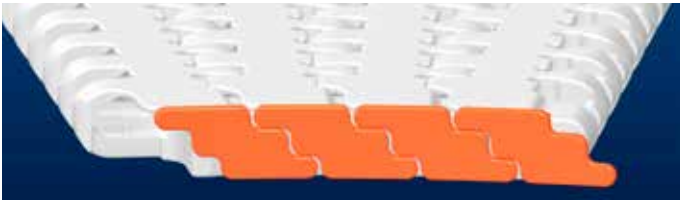
General belt tolerance is +0/-0.4% at 23°C/73°F.

*Max. Load per Drive Sprocket. Belt material: POM-SX 2500 N (562 lbf).

**Max. Spacing between wear strips, Carry: 152 mm (6 in); Return: 304 mm (12 in).

Design Guide Lines

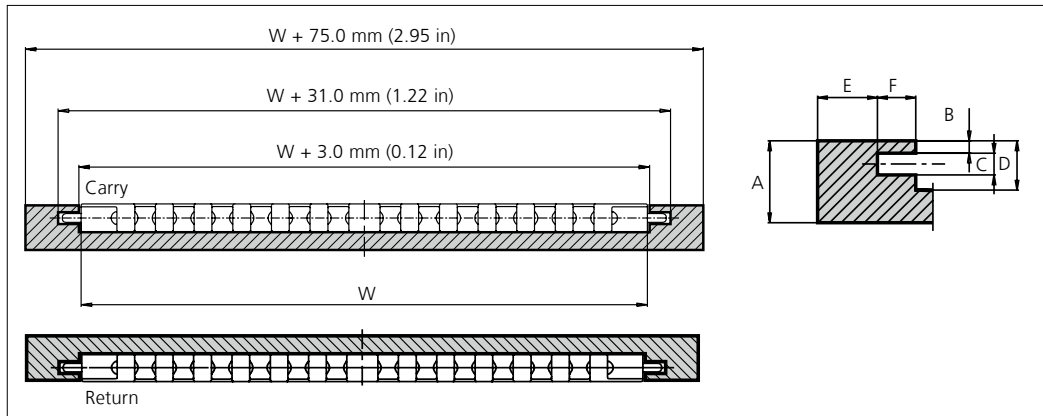
uni Flex One EWC



	mm	in
A	min \varnothing 30	min \varnothing 1¼
B	A + min 12	A + min ½
C	100-150	4-6

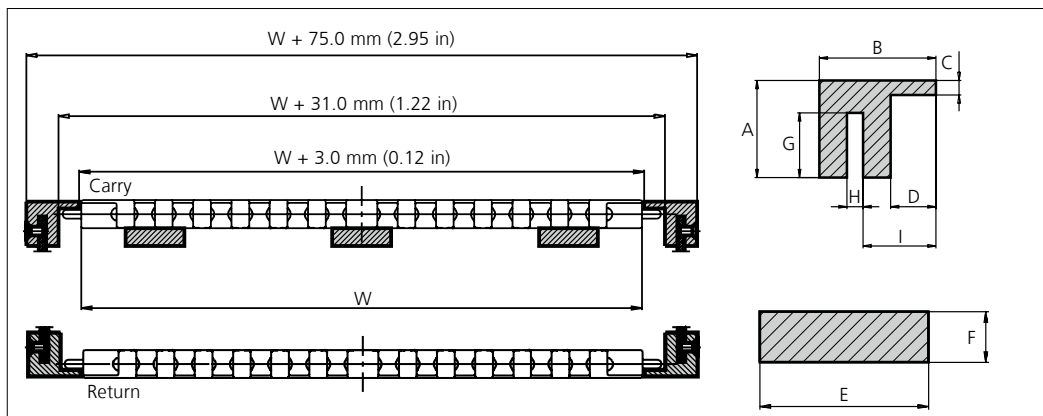
Profiles for uni Flex ONE O/EO

Compact Profile Configuration



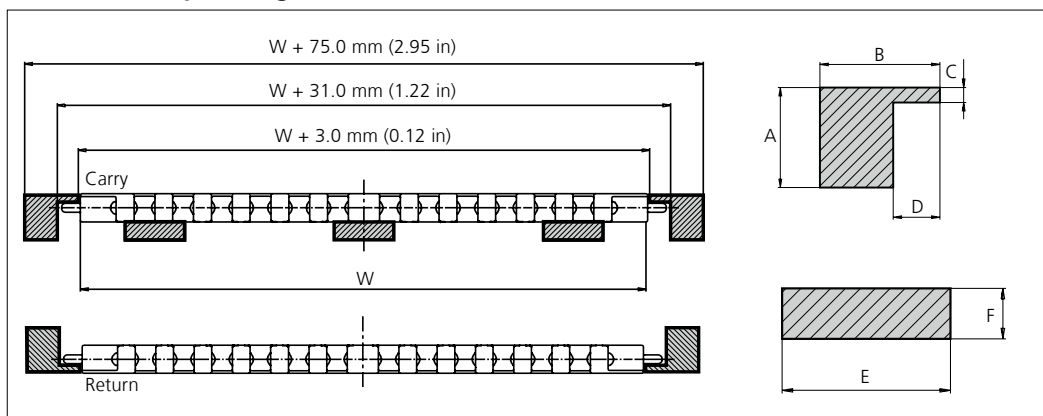
	mm	in
A	30.0	1.18
B	4.5	0.18
C	8.0	0.31
D	18.0	0.71
E	22.0	0.87
F	14.0	0.55

Slotted Wearstrip Configuration



	mm	in
A	30.0	1.18
B	36.0	1.42
C	4.5	0.18
D	14.0	0.55
E	40.0	1.57
F	12.0	0.47
G	20.0	0.79
H	5.0	0.20
I	22.5	0.89

Solid Wearstrip Configuration



	mm	in
A	30.0	1.18
B	36.0	1.42
C	4.5	0.18
D	14.0	0.55
E	40.0	1.57
F	12.0	0.47

uni Flex ONE O

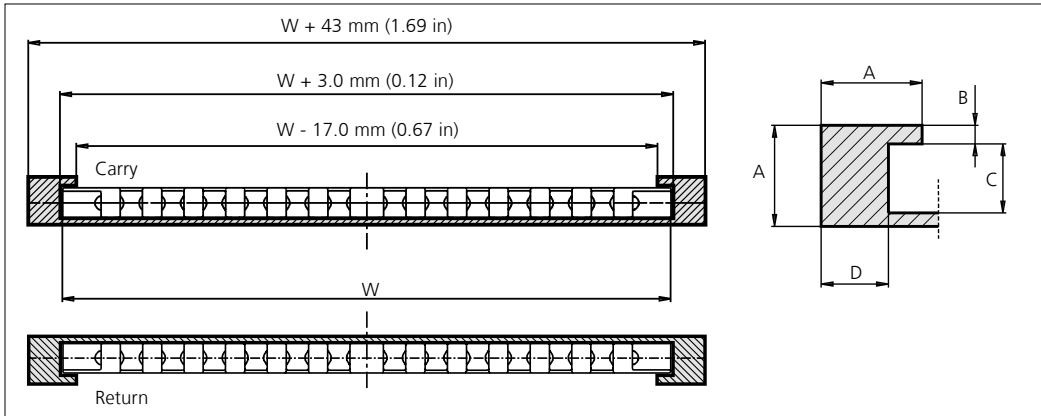
Using the uni Flex ONE with O-Tab and a slotted wearstrip, the O-Tab will allow the transported products to be wider than the belt. O-Tabs are molded into the belt to ensure cleanability and are preferred for direct food contact.

uni Flex ONE EO (Exchangeable O-Tab)

Exchangeable O-Tab system is made of heat and wear resistant material to improve performance between the belt edge and the wearstrip. Using a slotted wearstrip the exchangeable O-Tab will track the belt and allow the transported products to be wider than the belt. Resists high curve load at increased speed.

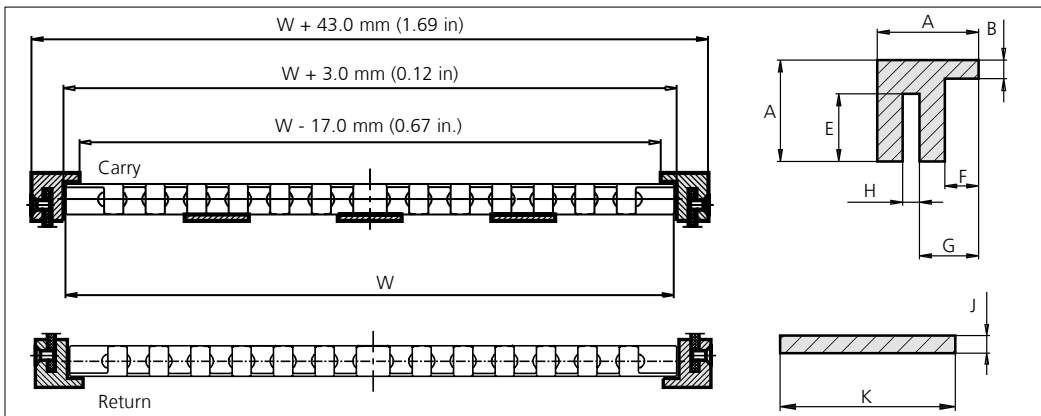
Profiles for uni Flex ONE EW/ER

Compact Profile Configuration



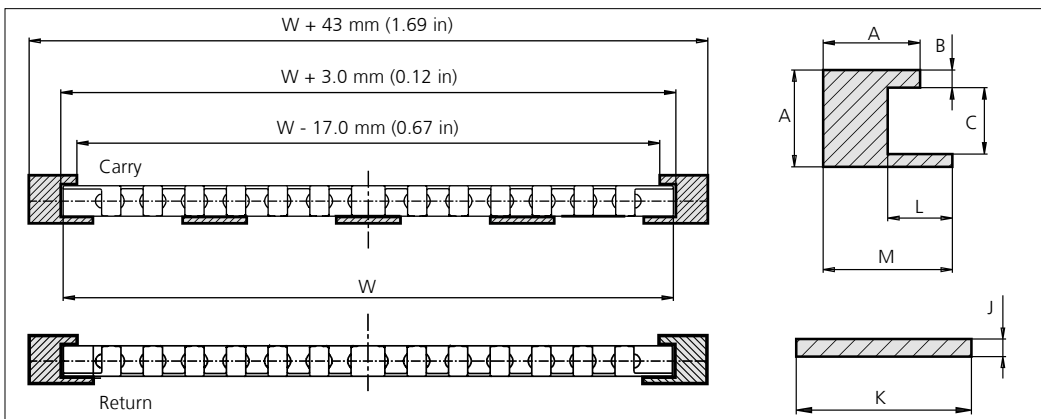
	mm	in
A	30.0	1.18
B	5.5	0.22
C	20.5	0.81
D	20.0	0.79

Slotted Wearstrip Configuration



	mm	in
A	30.0	1.18
B	5.5	0.22
E	20.0	0.79
F	10.0	0.39
G	17.5	0.69
H	5.0	0.20
J	4.0	0.16
K	40.0	1.57

Solid Wearstrip Configuration



	mm	in
A	30.0	1.18
B	5.5	0.22
C	20.5	0.81
J	4.0	0.16
K	40.0	1.57
L	20.0	0.79
M	40.0	1.57

uni Flex ONE EW (Exchangeable Wearpart)

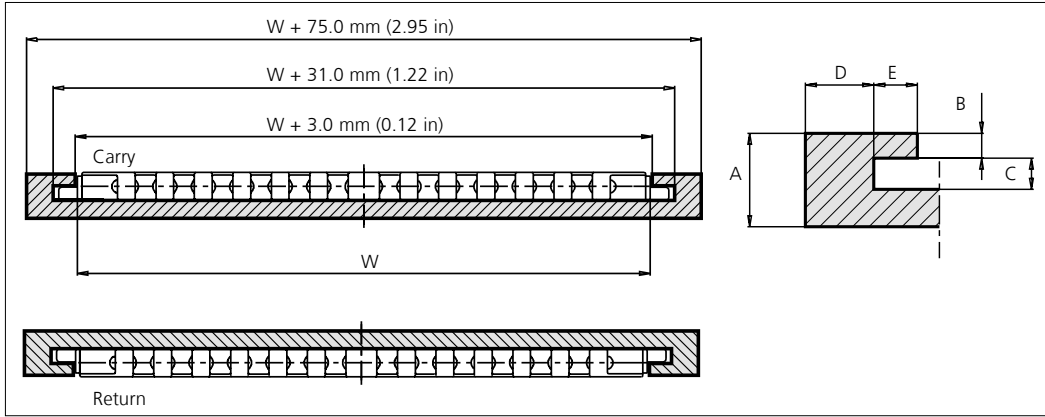
Exchangeable Wearpart system is made of heat and wear resistant material to improve performance between the belt edge and the wearstrip. This Wearpart can easily be replaced. Resists high curve load at increased speed.

uni Flex ONE ER (Exchangeable Edge Roller)

uni Flex ONE with Exchangeable Edge Rollers reduces friction in curves to a minimum making it very suitable for applications with many curves e.g. static spirals (non rotating drum) or high speed sideflexing conveyors.

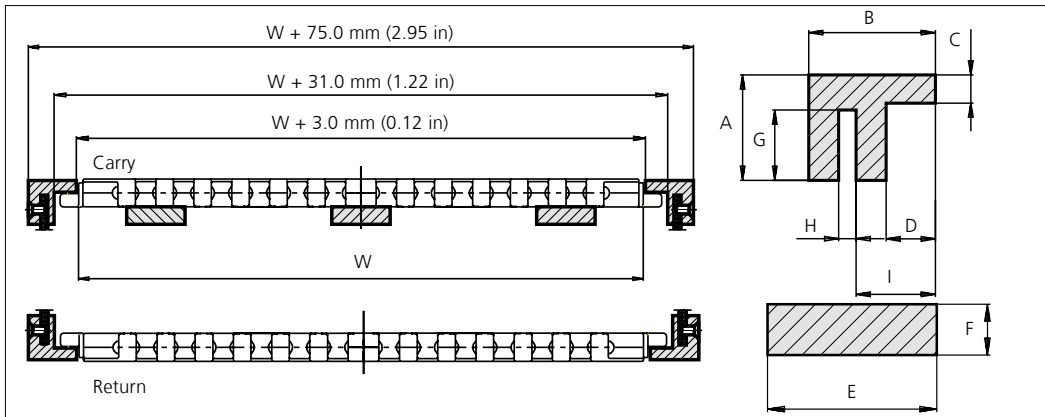
Profiles for uni Flex ONE EOO

Compact Profile Configuration



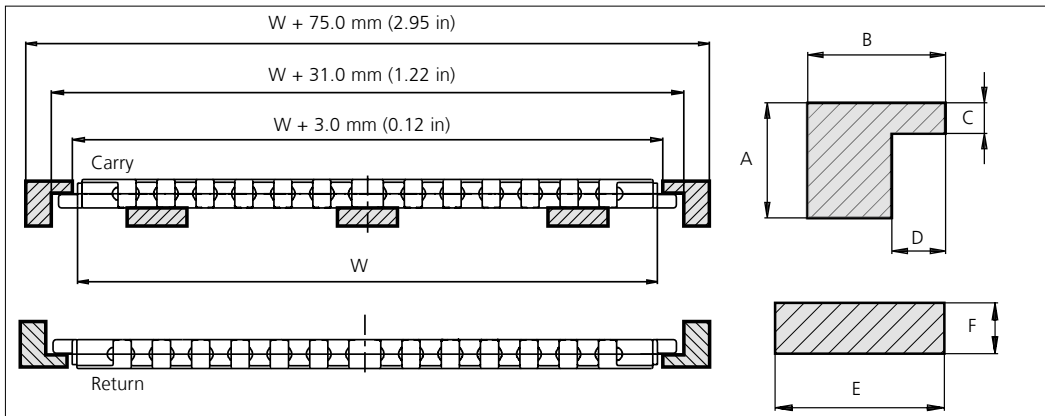
	mm	in
A	30.0	1.18
B	8.0	0.31
C	10.0	0.39
D	22.0	0.87
E	14.0	0.55

Slotted Wearstrip Configuration



	mm	in
A	30.0	1.18
B	36.0	1.42
C	8.0	0.31
D	14.0	0.55
E	40.0	1.57
F	12.0	0.47
G	20.0	0.79
H	5.0	0.20
I	22.5	0.89

Solid Wearstrip Configuration



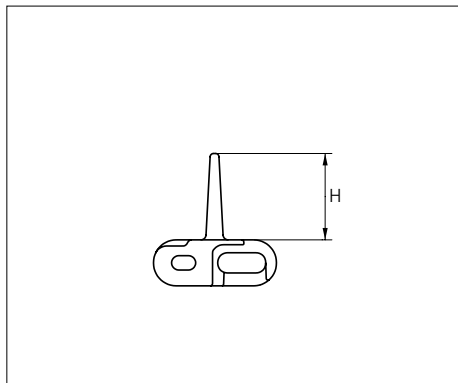
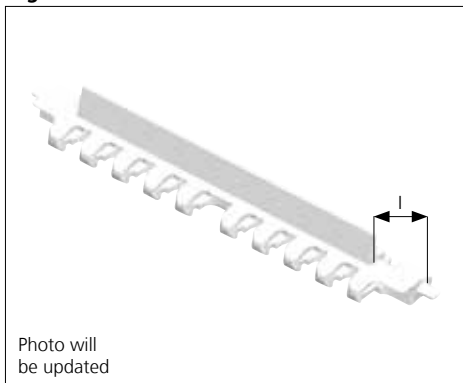
	mm	in
A	30.0	1.18
B	36.0	1.42
C	8.0	0.31
D	14.0	0.55
E	40.0	1.57
F	12.0	0.47

uni Flex ONE EOO (Exchangeable Offset O-Tab)

Exchangeable O-Tab system is made of heat and wear resistant material to improve performance between the belt edge and the wearstrip. Using a slotted wearstrip the exchangeable O-Tab will track the belt and allow the transported products to be wider than the belt. Resists high curve load at increased speed.

Accessories

Flight

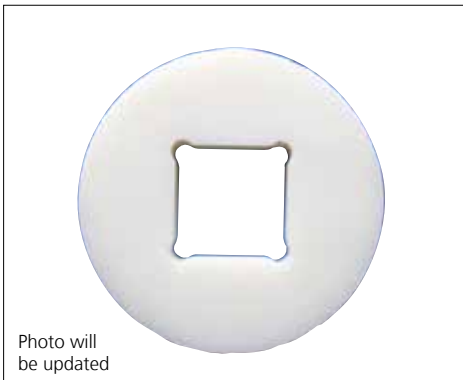


Type	Standard belt material & color	Height (H)		Indent (I)		Link size	Width	
		mm	in	mm	in		mm	in
Flight	POM-SX W B *	25.4	1.00	32.0	1.26	K1200	304.8	12.0

* Please note that uni Flex ONE in POM-SX blue is not according to the standard color quality for blue. Small variations may occur.
Non Standard material and color: See uni Material and Color Overview.

Accessories

Idler



Type	Standard material & color	No. of teeth	Diameter idler	
			mm	in
Idler	POM-D N	8	72.9	2.87
		9	85.6	3.37
		11	110.7	4.36
		12	123.1	4.85
		13	135.5	5.33
		16	172.4	6.79

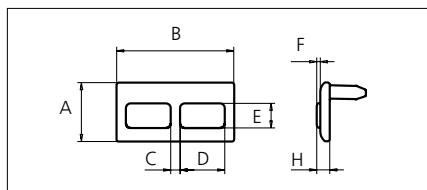
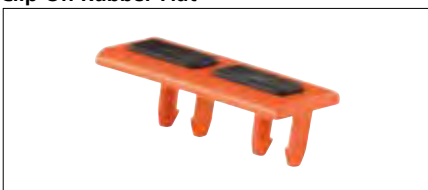
Thickness of idler: 20.0 mm (0.79 in).

Recommended for use at idler end to ensure smooth and low noise operation.

Non Standard material and color: See uni Material and Color Overview.

Accessories

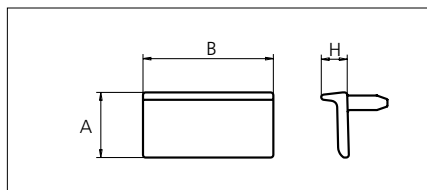
Clip On Rubber Flat



	mm	in
A	25.0	0.98
B	50.0	1.97
C	4.0	0.16
D	19.0	0.75
E	10.5	0.41
F	1.5	0.06

Accessories

Clip On Flight



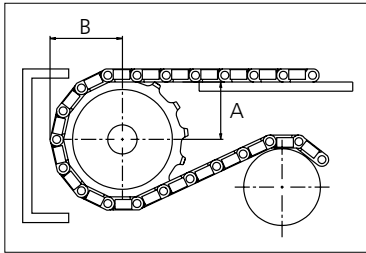
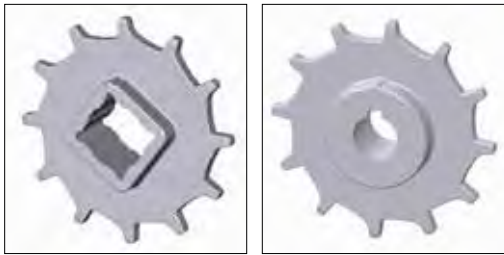
Type	Height (H)		Standard materials & colors
	mm	in	
uni Flex ONE Clip On Rubber Flat	5.5	0.22	POM-D O + Rubber 01 K
uni Flex ONE Clip On Flight	10.0	0.39	POM-D O

Sprocket

No. of teeth	Pilot Bore	Bore size											Overall diameter		Pitch diameter		Hub diameter		Dimension A		Dimension B		Single row/Two way	Double row/Two way	Molded		Machined	
		in	0.75	0.79	0.98	1.00	1.18	1.25	1.50	1.57	2.36	2.50													3.54	PAG	LG	PAG
		mm	19.1	20.0	25.0	25.4	30.0	31.8	38.1	40.0	60.0	63.5	90.0	mm	in	mm	in	mm	in	mm	in	Molded			Machined			
Z08	x				■	●	●		●				99.9	3.93	101.0	3.98	60.0	2.36	36.5	1.44	59.0	2.32	x		x			
Z09	x					●	●	●		●			111.4	4.39	113.7	4.48	70.0	2.76	42.8	1.69	64.9	2.56	x		x			
Z09									■	■			111.4	4.39	113.7	4.48	74.0	2.91	42.8	1.69	64.9	2.56	x		x			
Z11	x					●	●	●					135.2	5.32	138.8	5.46	70.0	2.76	55.4	2.18	76.9	3.03	x		x			
Z11									■	■			135.2	5.32	138.8	5.46	74.0	2.91	55.4	2.18	76.9	3.03	x		x			
Z12	x					●	●	●	●				147.2	5.80	151.2	5.95	70.0	2.76	61.6	2.43	82.9	3.26	x		x			
Z12									■	■			147.2	5.80	151.2	5.95	74.0	2.91	61.6	2.43	82.9	3.26	x		x			
Z13	x					●	●	●	●				159.2	6.27	163.6	6.44	70.0	2.76	67.8	2.67	88.9	3.50	x		x			
Z13									■	■			159.2	6.27	163.6	6.44	74.0	2.91	67.8	2.67	88.9	3.50	x		x			
Z16	x					●	●	●	●				195.3	7.69	200.5	7.89	70.0	2.76	86.3	3.40	107.0	4.21	x		x			
Z16									■	■			195.3	7.69	200.5	7.89	74.0	2.91	86.3	3.40	107.0	4.21	x		x			

■ Molded sprocket

● Molded sprocket



Other sprocket sizes are available upon request
 Other bore sizes are available upon request
 uni Retainer Rings: See uni Retainer Ring data sheet
 Width of tooth = 9.0 mm (0.35 in)
 Width of sprocket = 39.0 mm (1.54 in)

Max. load per sprocket shown does not take bore size into account.
 Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni Flex ONE.
 For more detailed sprocket information, contact Customer Service.

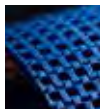
Non standard material and color: See uni Material and Color Overview.



Conveyor Belts



Seamless Belts



Modular Belts



Timing Belts



Transmission Belts



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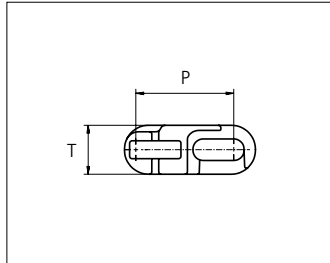
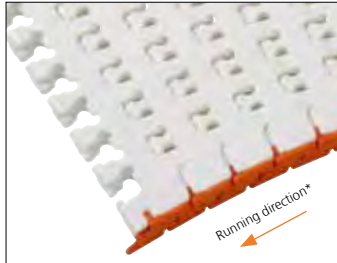
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www.unichains.com

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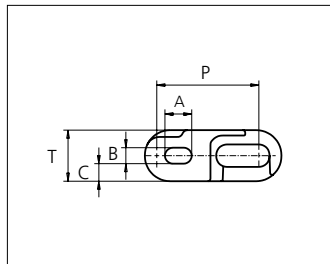
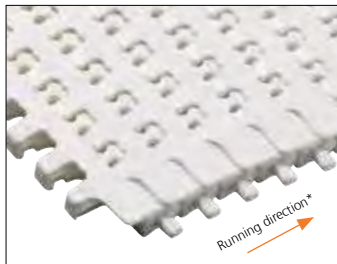
Plastic Modular Belt

Series uni Flex ONE

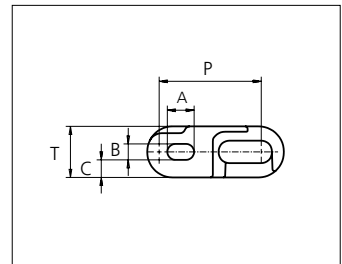
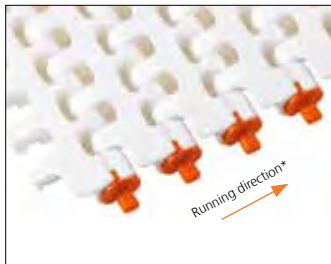


Sideflexing belt
 Nominal pitch: 38.1 mm (1.50 in)
 Surface type: Flat
 Surface opening: 15%
 Backflex radius: 50.0 mm (1.97 in)
 Min. inside radius R1.6 x belt width

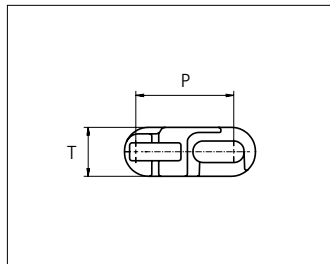
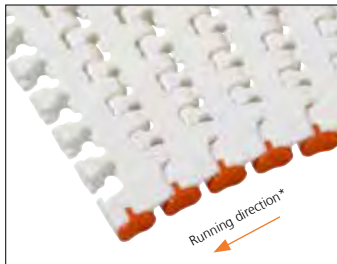
uni Flex ONE EWC R1.6
 Surface Opening: 15%



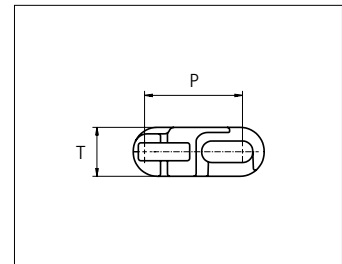
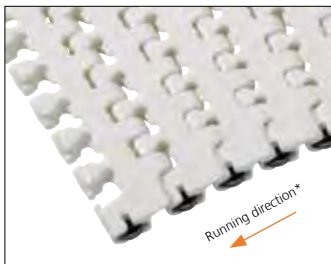
uni Flex ONE O R1.6
 Surface Opening: 15%



uni Flex ONE EO R1.6
 Surface Opening: 15%

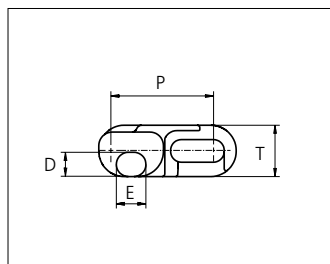
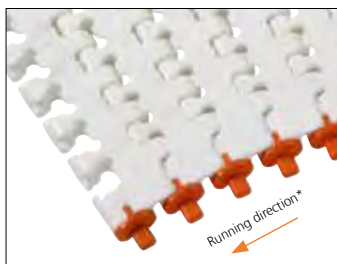


uni Flex ONE EW R1.6
 Surface Opening: 15%



uni Flex ONE ER R1.6
 Surface Opening: 15%

uni Flex ONE ER is not available for use in North America.



uni Flex ONE EOO R1.6
 Surface Opening: 15%

*uni-chains recommends this travel direction. However travel in both directions is possible.

	mm	in		mm	in
P (Nominal)	38.1	1.50	D	9.0	0.35
A	10.0	0.39	E	11.0	0.43
B	5.9	0.23	T	19.1	0.75
C	6.6	0.26	-	-	-

Belt material & color	POM-SX W B **
O-Tab, Wearpart material & color	POM DK O
EWC Wearpart material & color	K750: POM DK Y K1200, K1500, K1800: POM DK O K2400: POM DK B

**Please note that uni Flex ONE in POM-SX blue is not according to the standard color quality for blue. Small variations may occur.



STANDARD
 SIDE FLEXING
 PITCH 38.1 MM/1.50 IN

Belt width			Type	Permissible tensile force Belt/pin material				Belt weight Belt material		*Recommended No. drive sprocket per shaft	Number of wear strips (Min No.)	
				POM-SX				POM-SX			**Carry (pcs)	**Return (pcs)
Size	mm	in		Straight sections		Curve sections		kg/m	lb/ft			
			N	lbf	N	lbf						
K750	190.5	7.5	O	2400	540	2000	450	2.5	1.68	2	2	2
			EW					2.4	1.61			
			EO/EOO					2.5	1.68			
			ER					2.6	1.75			
			EWC					2.7	1.81			
K1200	304.8	12.0	O	4000	899	3400	764	4.0	2.69	4	3	2
			EW					3.9	2.62			
			EO/EOO					4.0	2.69			
			ER					4.1	2.76			
			EWC					4.2	2.82			
K1500	381.0	15.0	O	6400	1439	3500	787	4.9	3.29	6	3	2
			EW					4.9	3.29			
			EO/EOO					4.9	3.29			
			ER					5.0	3.36			
			EWC					5.1	3.43			
K1800	457.2	18.0	O	8200	1843	3600	809	6.1	4.10	6	4	2
			EW					6.1	4.10			
			EO/EOO					6.1	4.10			
			ER					6.2	4.17			
			EWC					6.2	4.17			
K2400	609.6	24.0	O	12000	2698	3800	854	7.9	5.31	6	5	3
			EW					7.8	5.24			
			EO/EOO					7.8	5.24			
			ER					7.9	5.31			
			EWC					8.1	5.44			

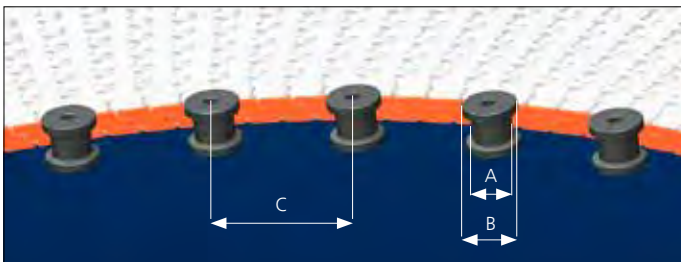
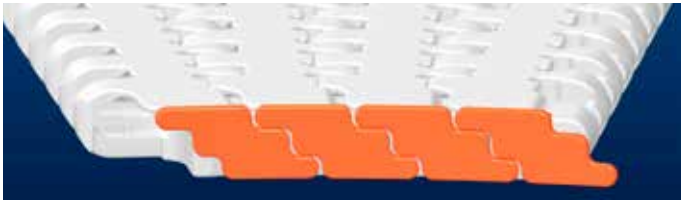
General belt tolerance is +0/-0.4% at 23°C/73°F.

*Max. Load per Drive Sprocket. Belt material: POM-SX 2500 N (562 lbf).

**Max. Spacing between wear strips, Carry: 152 mm (6 in); Return: 304 mm (12 in).

Design Guide Lines

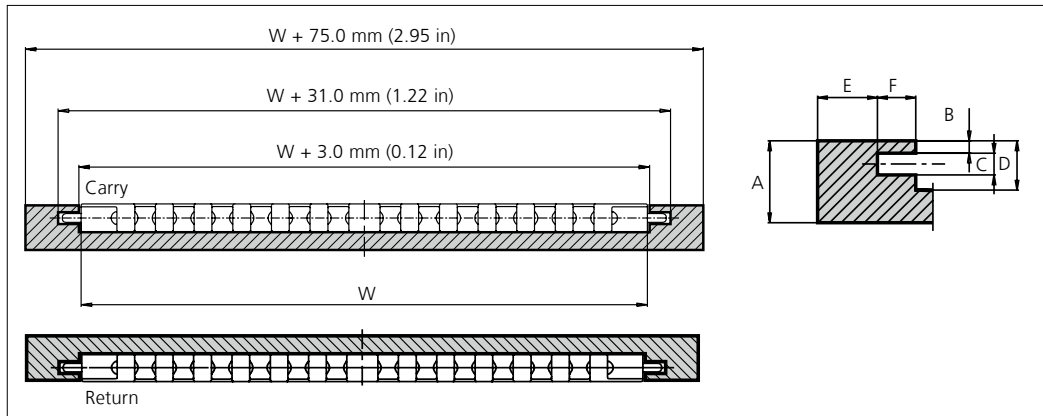
uni Flex One EWC



	mm	in
A	min \varnothing 30	min \varnothing 1¼
B	A + min 12	A + min ½
C	100-150	4-6

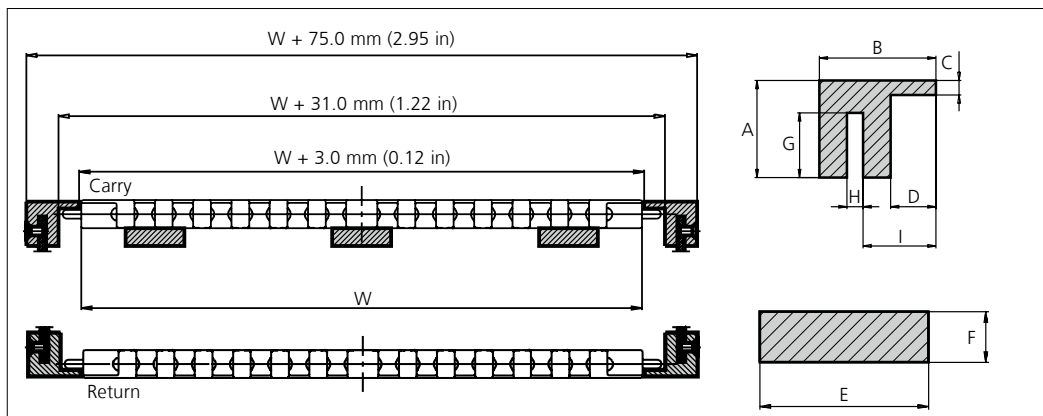
Profiles for uni Flex ONE O/EO

Compact Profile Configuration



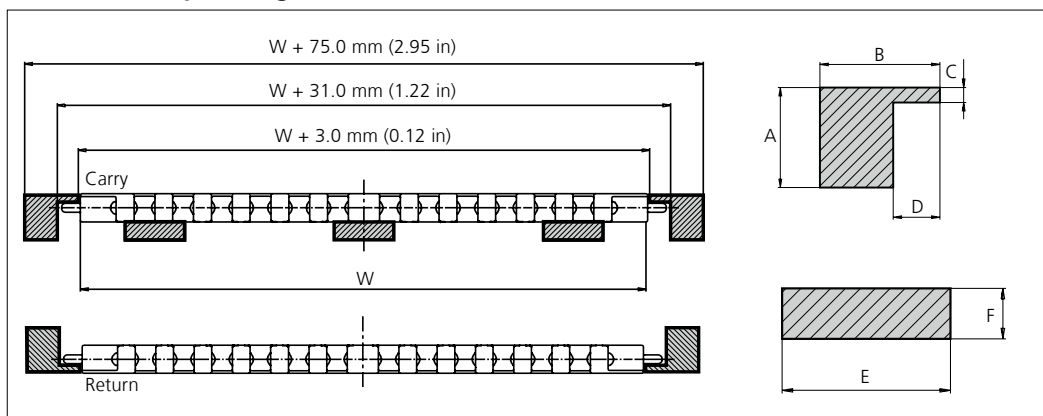
	mm	in
A	30.0	1.18
B	4.5	0.18
C	8.0	0.31
D	18.0	0.71
E	22.0	0.87
F	14.0	0.55

Slotted Wearstrip Configuration



	mm	in
A	30.0	1.18
B	36.0	1.42
C	4.5	0.18
D	14.0	0.55
E	40.0	1.57
F	12.0	0.47
G	20.0	0.79
H	5.0	0.20
I	22.5	0.89

Solid Wearstrip Configuration



	mm	in
A	30.0	1.18
B	36.0	1.42
C	4.5	0.18
D	14.0	0.55
E	40.0	1.57
F	12.0	0.47

uni Flex ONE O

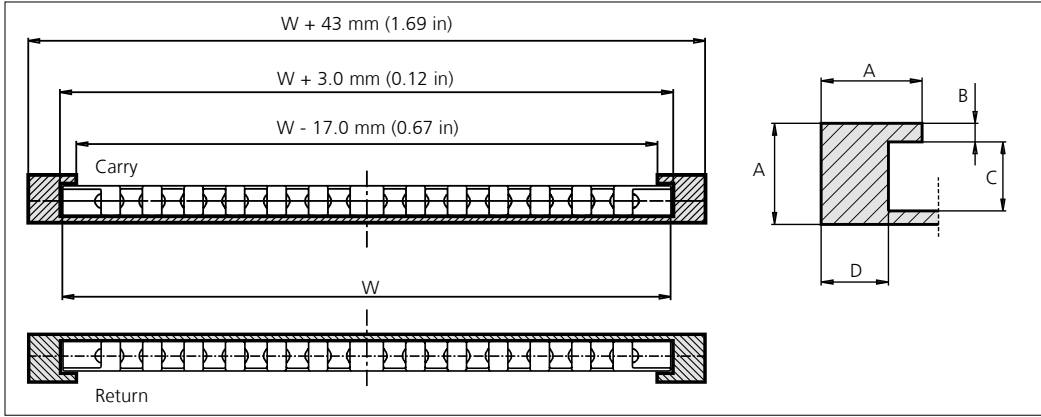
Using the uni Flex ONE with O-Tab and a slotted wearstrip, the O-Tab will allow the transported products to be wider than the belt. O-Tabs are molded into the belt to ensure cleanability and are preferred for direct food contact.

uni Flex ONE EO (Exchangeable O-Tab)

Exchangeable O-Tab system is made of heat and wear resistant material to improve performance between the belt edge and the wearstrip. Using a slotted wearstrip the exchangeable O-Tab will track the belt and allow the transported products to be wider than the belt. Resists high curve load at increased speed.

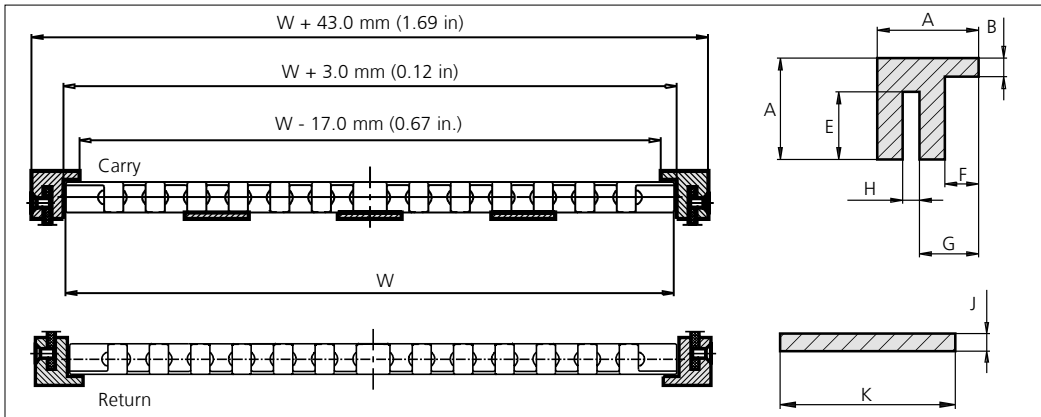
Profiles for uni Flex ONE EW/ER

Compact Profile Configuration



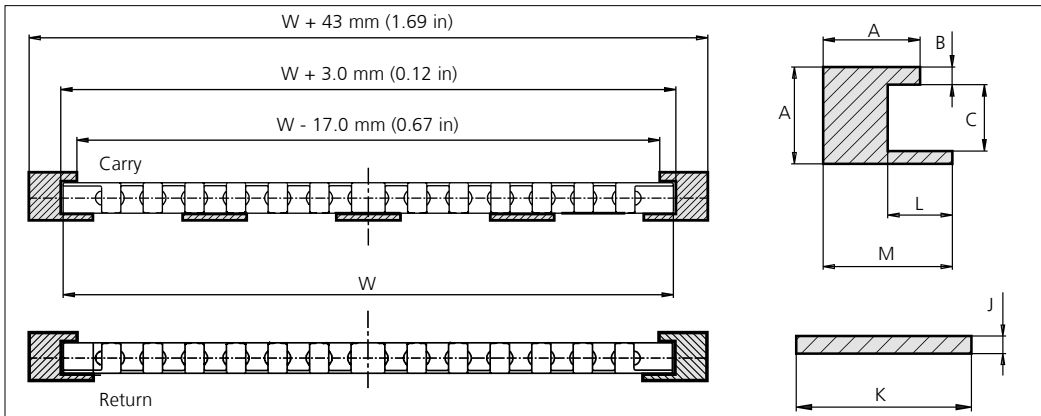
	mm	in
A	30.0	1.18
B	5.5	0.22
C	20.5	0.81
D	20.0	0.79

Slotted Wearstrip Configuration



	mm	in
A	30.0	1.18
B	5.5	0.22
E	20.0	0.79
F	10.0	0.39
G	17.5	0.69
H	5.0	0.20
J	4.0	0.16
K	40.0	1.57

Solid Wearstrip Configuration



	mm	in
A	30.0	1.18
B	5.5	0.22
C	20.5	0.81
J	4.0	0.16
K	40.0	1.57
L	20.0	0.79
M	40.0	1.57

uni Flex ONE EW (Exchangeable Wearpart)

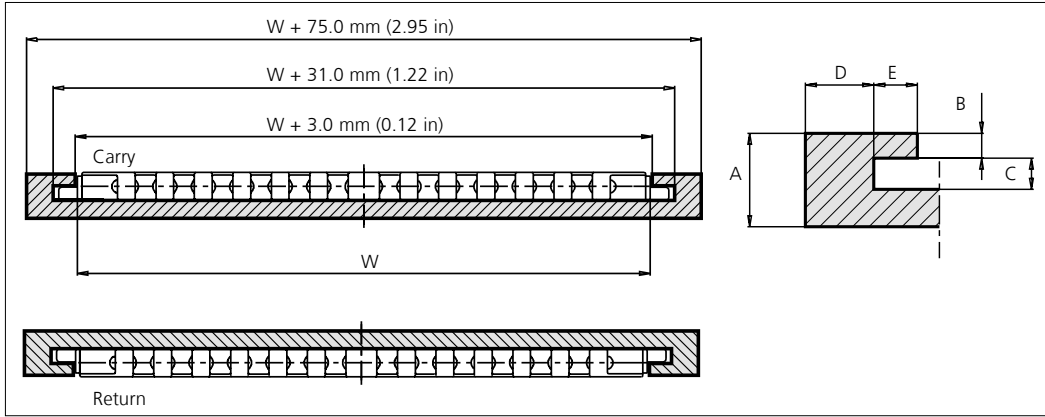
Exchangeable Wearpart system is made of heat and wear resistant material to improve performance between the belt edge and the wearstrip. This Wearpart can easily be replaced. Resists high curve load at increased speed.

uni Flex ONE ER (Exchangeable Edge Roller)

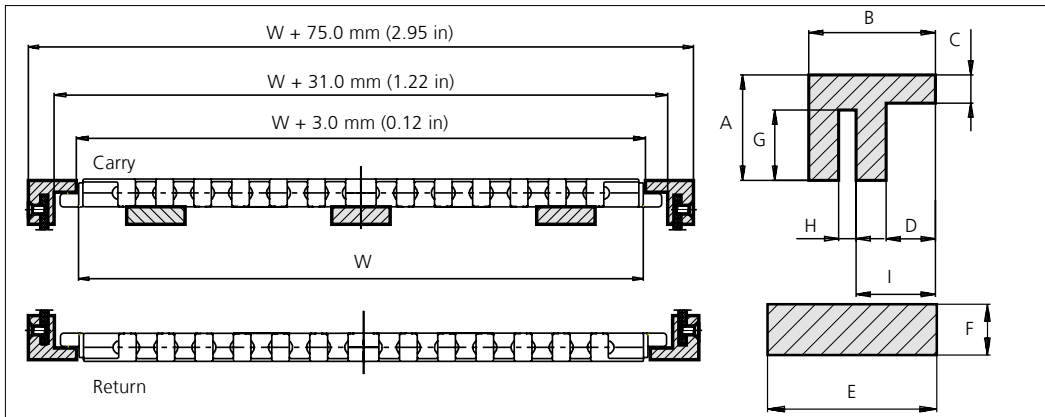
uni Flex ONE with Exchangeable Edge Rollers reduces friction in curves to a minimum making it very suitable for applications with many curves e.g. static spirals (non rotating drum) or high speed sideflexing conveyors.

Profiles for uni Flex ONE EOO

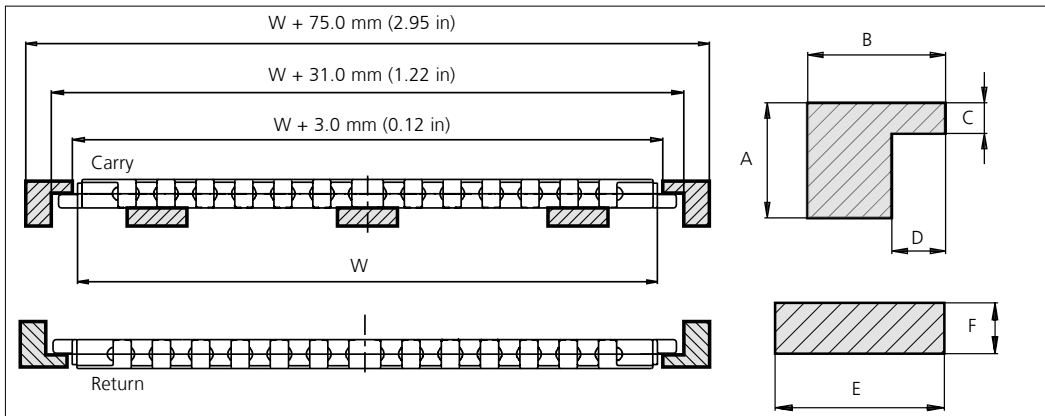
Compact Profile Configuration



Slotted Wearstrip Configuration



Solid Wearstrip Configuration

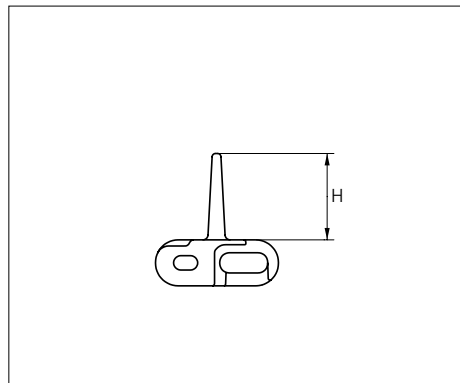
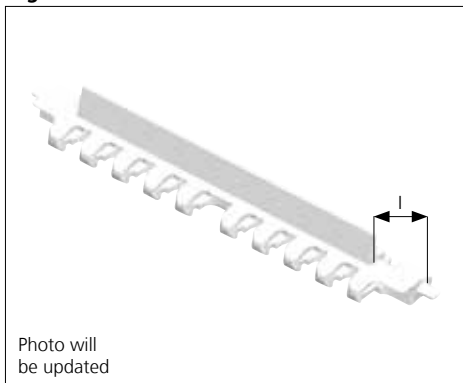


uni Flex ONE EOO (Exchangeable Offset O-Tab)

Exchangeable O-Tab system is made of heat and wear resistant material to improve performance between the belt edge and the wearstrip. Using a slotted wearstrip the exchangeable O-Tab will track the belt and allow the transported products to be wider than the belt. Resists high curve load at increased speed.

Accessories

Flight

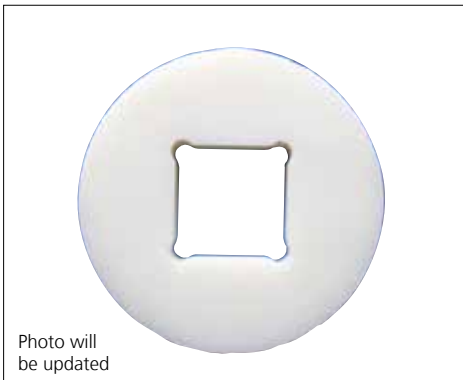


Type	Standard belt material & color	Height (H)		Indent (I)		Link size	Width	
		mm	in	mm	in		mm	in
Flight	POM-SX W B *	25.4	1.00	32.0	1.26	K1200	304.8	12.0

* Please note that uni Flex ONE in POM-SX blue is not according to the standard color quality for blue. Small variations may occur.
Non Standard material and color: See uni Material and Color Overview.

Accessories

Idler



Type	Standard material & color	No. of teeth	Diameter idler	
			mm	in
Idler	POM-D N	8	72.9	2.87
		9	85.6	3.37
		11	110.7	4.36
		12	123.1	4.85
		13	135.5	5.33
		16	172.4	6.79

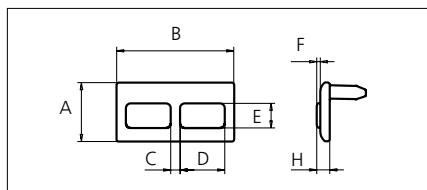
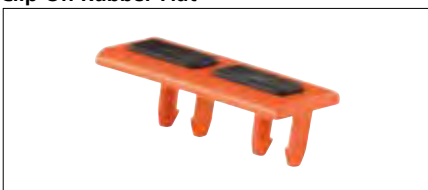
Thickness of idler: 20.0 mm (0.79 in).

Recommended for use at idler end to ensure smooth and low noise operation.

Non Standard material and color: See uni Material and Color Overview.

Accessories

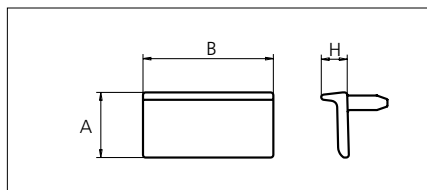
Clip On Rubber Flat



	mm	in
A	25.0	0.98
B	50.0	1.97
C	4.0	0.16
D	19.0	0.75
E	10.5	0.41
F	1.5	0.06

Accessories

Clip On Flight



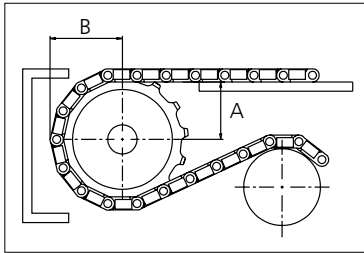
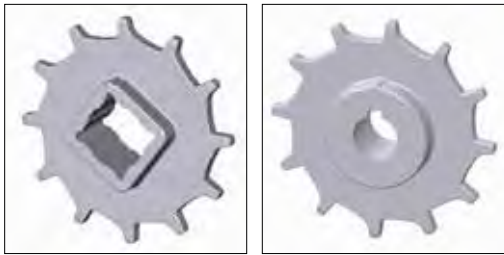
Type	Height (H)		Standard materials & colors
	mm	in	
uni Flex ONE Clip On Rubber Flat	5.5	0.22	POM-D O + Rubber 01 K
uni Flex ONE Clip On Flight	10.0	0.39	POM-D O

Sprocket

No. of teeth	Pilot Bore	Bore size											Overall diameter		Pitch diameter		Hub diameter		Dimension A		Dimension B		Single row/Two way	Double row/Two way	Machined	
		in	0.75	0.79	0.98	1.00	1.18	1.25	1.50	1.57	2.36	2.50													3.54	PAG
		mm	19.1	20.0	25.0	25.4	30.0	31.8	38.1	40.0	60.0	63.5	90.0	mm	in	mm	in	mm	in	mm	in	Molded			Machined	
Z08	x				■	●	●		●				99.9	3.93	101.0	3.98	60.0	2.36	36.5	1.44	59.0	2.32	x		x	
Z09	x					●	●		●				111.4	4.39	113.7	4.48	70.0	2.76	42.8	1.69	64.9	2.56	x		x	
Z09									■	■			111.4	4.39	113.7	4.48	74.0	2.91	42.8	1.69	64.9	2.56	x		x	
Z11	x					●	●	●					135.2	5.32	138.8	5.46	70.0	2.76	55.4	2.18	76.9	3.03	x		x	
Z11									■	■			135.2	5.32	138.8	5.46	74.0	2.91	55.4	2.18	76.9	3.03	x		x	
Z12	x					●	●	●	●				147.2	5.80	151.2	5.95	70.0	2.76	61.6	2.43	82.9	3.26	x		x	
Z12									■	■			147.2	5.80	151.2	5.95	74.0	2.91	61.6	2.43	82.9	3.26	x		x	
Z13	x					●	●	●	●				159.2	6.27	163.6	6.44	70.0	2.76	67.8	2.67	88.9	3.50	x		x	
Z13									■	■			159.2	6.27	163.6	6.44	74.0	2.91	67.8	2.67	88.9	3.50	x		x	
Z16	x					●	●	●	●				195.3	7.69	200.5	7.89	70.0	2.76	86.3	3.40	107.0	4.21	x		x	
Z16									■	■			195.3	7.69	200.5	7.89	74.0	2.91	86.3	3.40	107.0	4.21	x		x	

■ Molded sprocket

● Molded sprocket



Other sprocket sizes are available upon request
 Other bore sizes are available upon request
 uni Retainer Rings: See uni Retainer Ring data sheet
 Width of tooth = 9.0 mm (0.35 in)
 Width of sprocket = 39.0 mm (1.54 in)

Max. load per sprocket shown does not take bore size into account.
 Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni Flex ONE.
 For more detailed sprocket information, contact Customer Service.

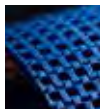
Non standard material and color: See uni Material and Color Overview.



Conveyor Belts



Seamless Belts



Modular Belts



Timing Belts



Transmission Belts



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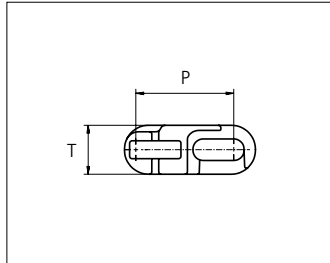
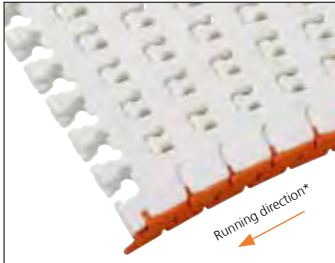
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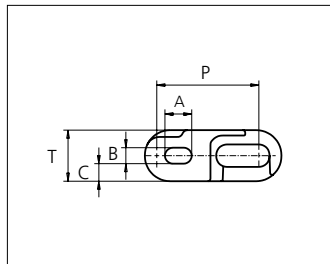
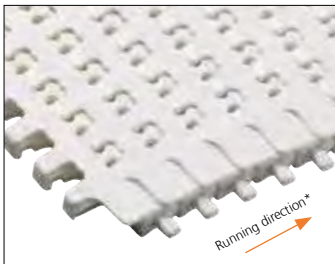
Plastic Modular Belt

Series uni Flex ONE

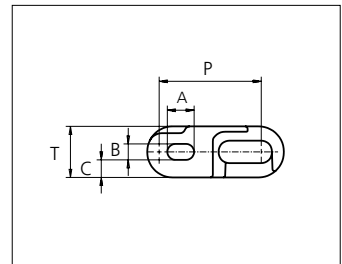
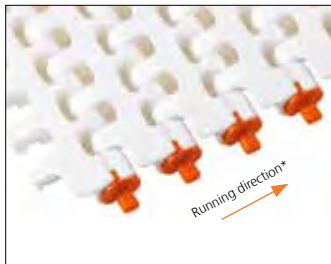


Sideflexing belt
 Nominal pitch: 38.1 mm (1.50 in)
 Surface type: Flat
 Surface opening: 15%
 Backflex radius: 50.0 mm (1.97 in)
 Min. inside radius R1.6 x belt width

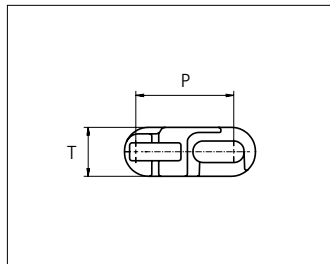
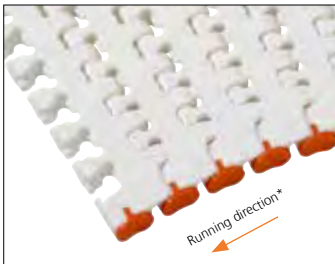
uni Flex ONE EWC R1.6
 Surface Opening: 15%



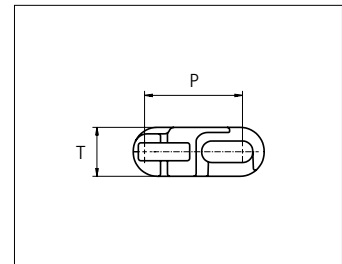
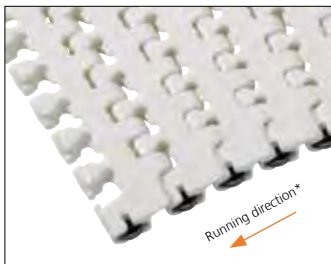
uni Flex ONE O R1.6
 Surface Opening: 15%



uni Flex ONE EO R1.6
 Surface Opening: 15%

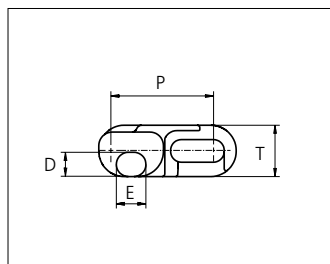
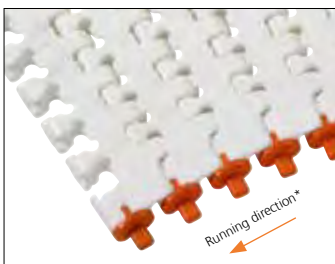


uni Flex ONE EW R1.6
 Surface Opening: 15%



uni Flex ONE ER R1.6
 Surface Opening: 15%

uni Flex ONE ER is not available for use in North America.



uni Flex ONE EOO R1.6
 Surface Opening: 15%

*uni-chains recommends this travel direction. However travel in both directions is possible.

	mm	in		mm	in
P (Nominal)	38.1	1.50	D	9.0	0.35
A	10.0	0.39	E	11.0	0.43
B	5.9	0.23	T	19.1	0.75
C	6.6	0.26	-	-	-

Belt material & color	POM-SX W B **
O-Tab, Wearpart material & color	POM DK O
EWC Wearpart material & color	K750: POM DK Y K1200, K1500, K1800: POM DK O K2400: POM DK B

**Please note that uni Flex ONE in POM-SX blue is not according to the standard color quality for blue. Small variations may occur.



STANDARD
 SIDE FLEXING
 PITCH 38.1 MM/1.50 IN

Belt width			Type	Permissible tensile force Belt/pin material				Belt weight Belt material		*Recommended No. drive sprocket per shaft	Number of wear strips (Min No.)	
				POM-SX				POM-SX			**Carry (pcs)	**Return (pcs)
Size	mm	in		Straight sections		Curve sections		kg/m	lb/ft			
			N	lbf	N	lbf						
K750	190.5	7.5	O	2400	540	2000	450	2.5	1.68	2	2	2
			EW					2.4	1.61			
			EO/EOO					2.5	1.68			
			ER					2.6	1.75			
			EWC					2.7	1.81			
K1200	304.8	12.0	O	4000	899	3400	764	4.0	2.69	4	3	2
			EW					3.9	2.62			
			EO/EOO					4.0	2.69			
			ER					4.1	2.76			
			EWC					4.2	2.82			
K1500	381.0	15.0	O	6400	1439	3500	787	4.9	3.29	6	3	2
			EW					4.9	3.29			
			EO/EOO					4.9	3.29			
			ER					5.0	3.36			
			EWC					5.1	3.43			
K1800	457.2	18.0	O	8200	1843	3600	809	6.1	4.10	6	4	2
			EW					6.1	4.10			
			EO/EOO					6.1	4.10			
			ER					6.2	4.17			
			EWC					6.2	4.17			
K2400	609.6	24.0	O	12000	2698	3800	854	7.9	5.31	6	5	3
			EW					7.8	5.24			
			EO/EOO					7.8	5.24			
			ER					7.9	5.31			
			EWC					8.1	5.44			

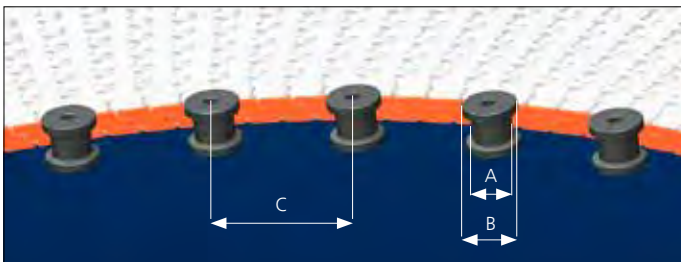
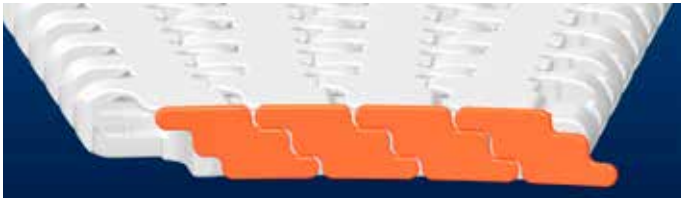
General belt tolerance is +0/-0.4% at 23°C/73°F.

*Max. Load per Drive Sprocket. Belt material: POM-SX 2500 N (562 lbf).

**Max. Spacing between wear strips, Carry: 152 mm (6 in); Return: 304 mm (12 in).

Design Guide Lines

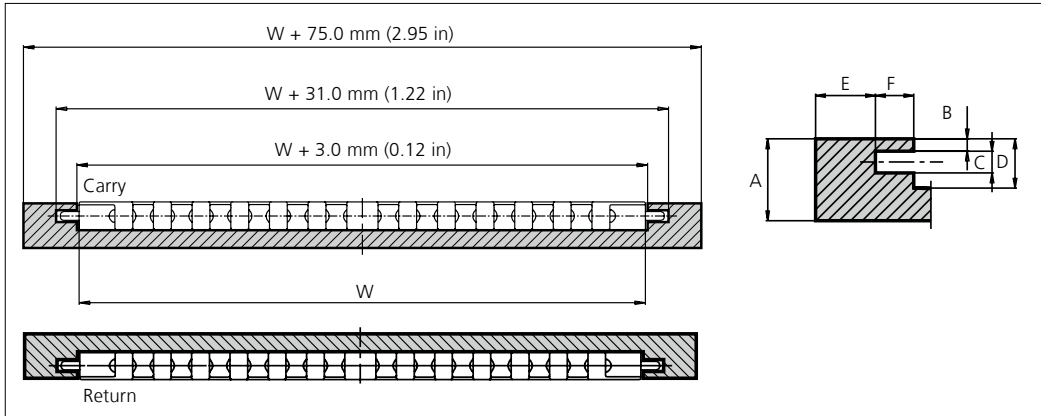
uni Flex One EWC



	mm	in
A	min \varnothing 30	min \varnothing 1¼
B	A + min 12	A + min ½
C	100-150	4-6

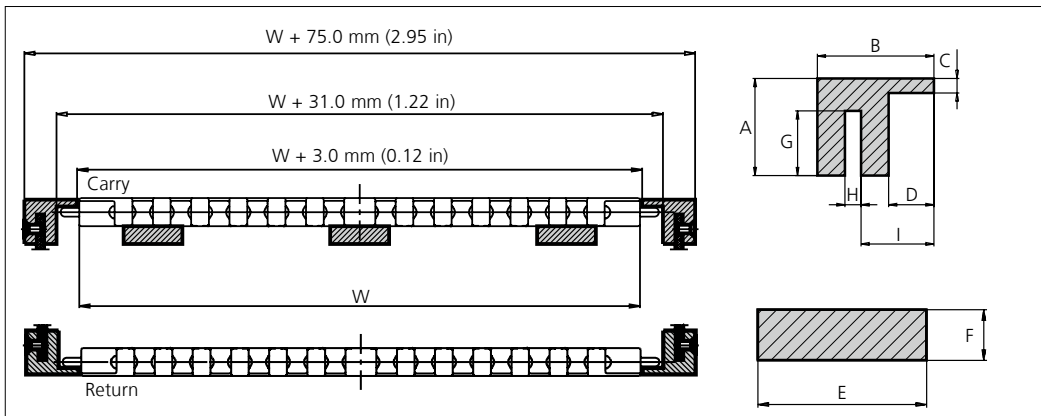
Profiles for uni Flex ONE O/EO

Compact Profile Configuration



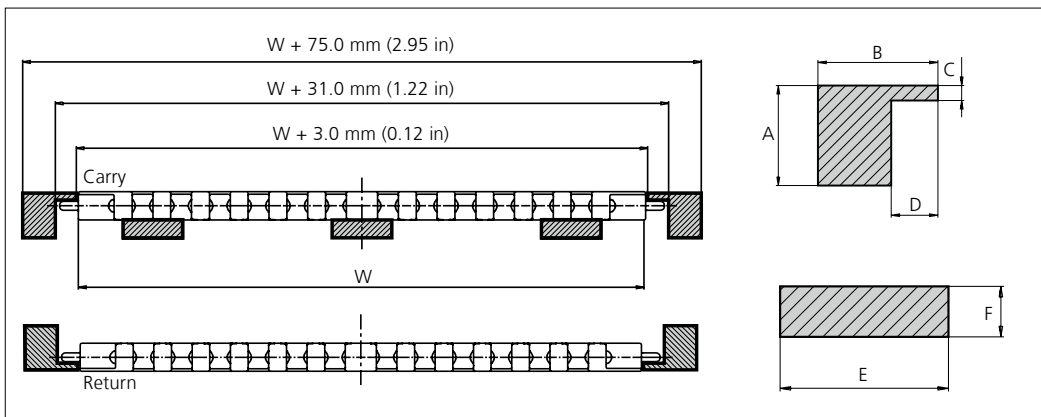
	mm	in
A	30.0	1.18
B	4.5	0.18
C	8.0	0.31
D	18.0	0.71
E	22.0	0.87
F	14.0	0.55

Slotted Wearstrip Configuration



	mm	in
A	30.0	1.18
B	36.0	1.42
C	4.5	0.18
D	14.0	0.55
E	40.0	1.57
F	12.0	0.47
G	20.0	0.79
H	5.0	0.20
I	22.5	0.89

Solid Wearstrip Configuration



	mm	in
A	30.0	1.18
B	36.0	1.42
C	4.5	0.18
D	14.0	0.55
E	40.0	1.57
F	12.0	0.47

uni Flex ONE O

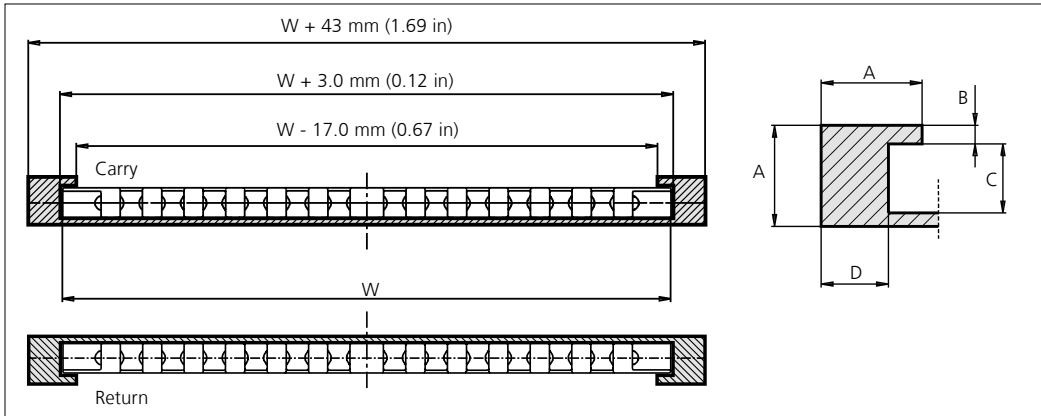
Using the uni Flex ONE with O-Tab and a slotted wearstrip, the O-Tab will allow the transported products to be wider than the belt. O-Tabs are molded into the belt to ensure cleanability and are preferred for direct food contact.

uni Flex ONE EO (Exchangeable O-Tab)

Exchangeable O-Tab system is made of heat and wear resistant material to improve performance between the belt edge and the wearstrip. Using a slotted wearstrip the exchangeable O-Tab will track the belt and allow the transported products to be wider than the belt. Resists high curve load at increased speed.

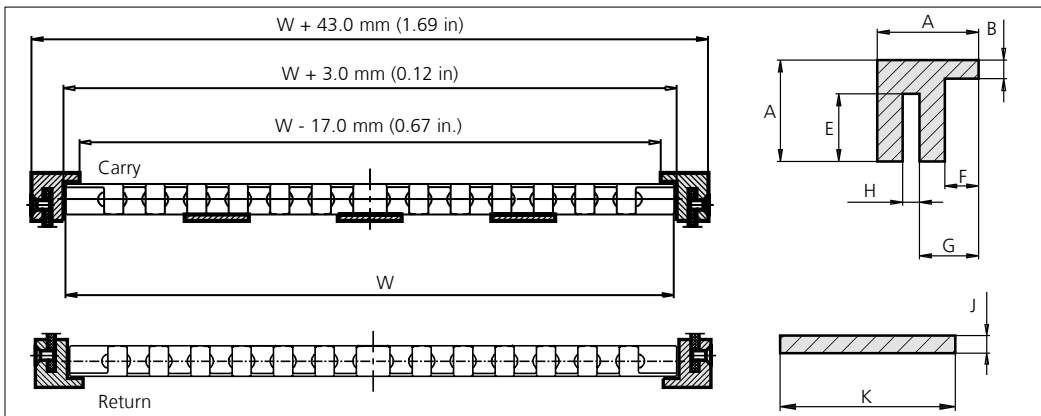
Profiles for uni Flex ONE EW/ER

Compact Profile Configuration



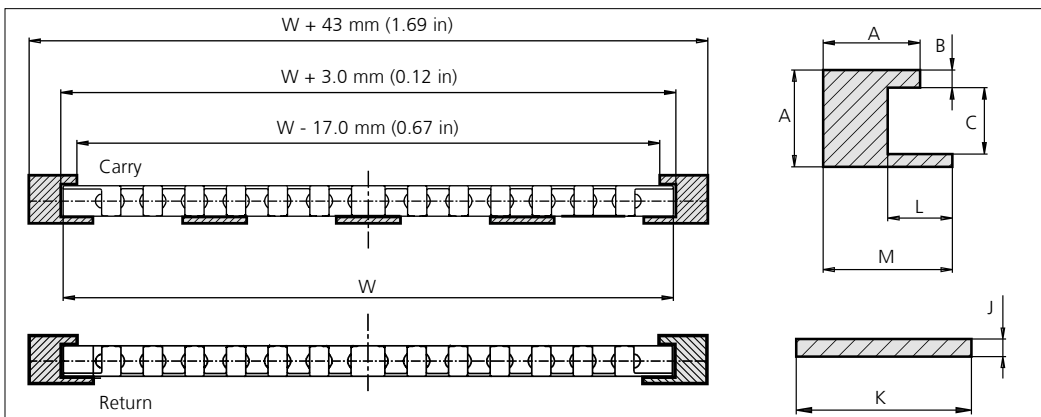
	mm	in
A	30.0	1.18
B	5.5	0.22
C	20.5	0.81
D	20.0	0.79

Slotted Wearstrip Configuration



	mm	in
A	30.0	1.18
B	5.5	0.22
E	20.0	0.79
F	10.0	0.39
G	17.5	0.69
H	5.0	0.20
J	4.0	0.16
K	40.0	1.57

Solid Wearstrip Configuration



	mm	in
A	30.0	1.18
B	5.5	0.22
C	20.5	0.81
J	4.0	0.16
K	40.0	1.57
L	20.0	0.79
M	40.0	1.57

uni Flex ONE EW (Exchangeable Wearpart)

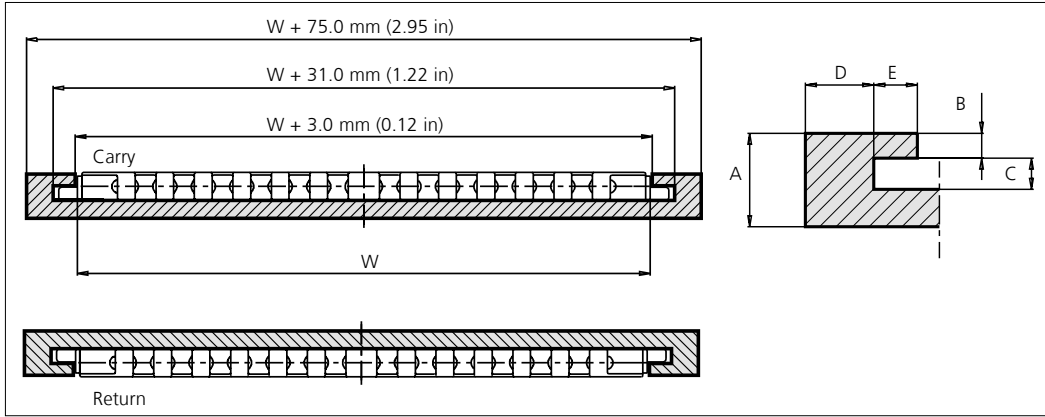
Exchangeable Wearpart system is made of heat and wear resistant material to improve performance between the belt edge and the wearstrip. This Wearpart can easily be replaced. Resists high curve load at increased speed.

uni Flex ONE ER (Exchangeable Edge Roller)

uni Flex ONE with Exchangeable Edge Rollers reduces friction in curves to a minimum making it very suitable for applications with many curves e.g. static spirals (non rotating drum) or high speed sideflexing conveyors.

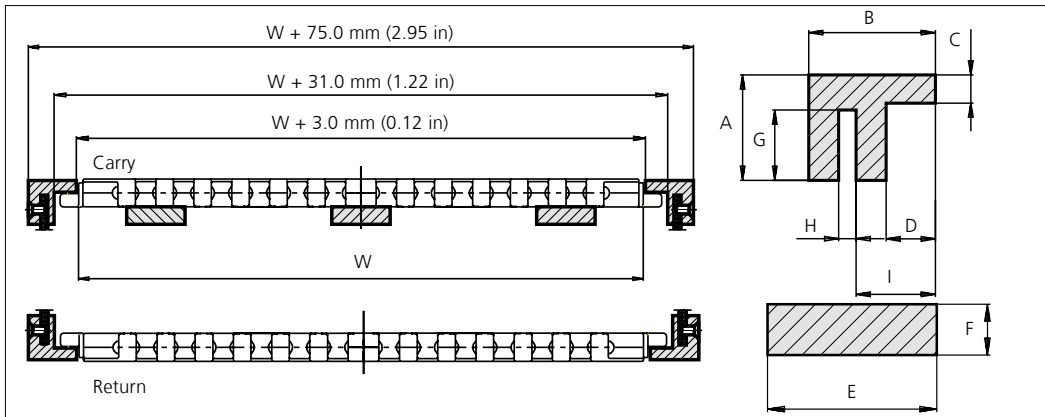
Profiles for uni Flex ONE EOO

Compact Profile Configuration



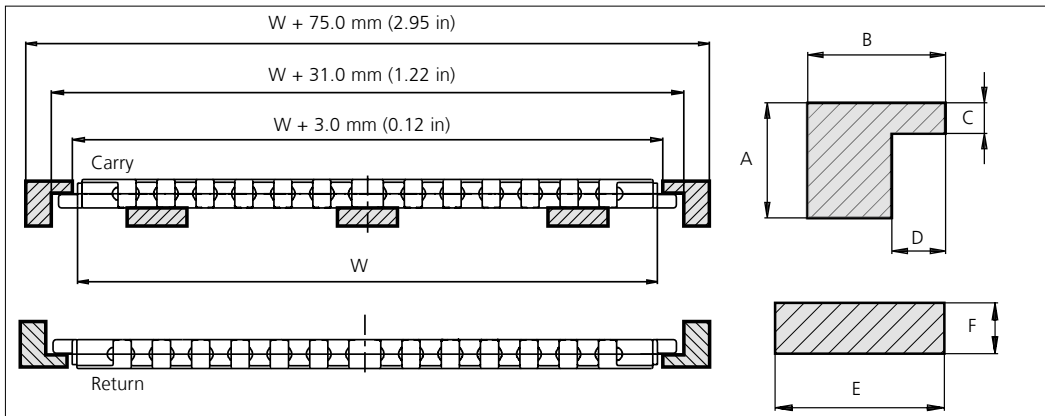
	mm	in
A	30.0	1.18
B	8.0	0.31
C	10.0	0.39
D	22.0	0.87
E	14.0	0.55

Slotted Wearstrip Configuration



	mm	in
A	30.0	1.18
B	36.0	1.42
C	8.0	0.31
D	14.0	0.55
E	40.0	1.57
F	12.0	0.47
G	20.0	0.79
H	5.0	0.20
I	22.5	0.89

Solid Wearstrip Configuration



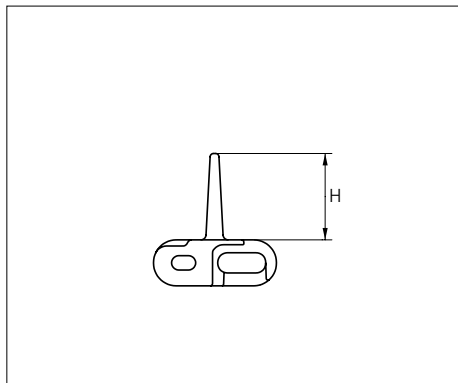
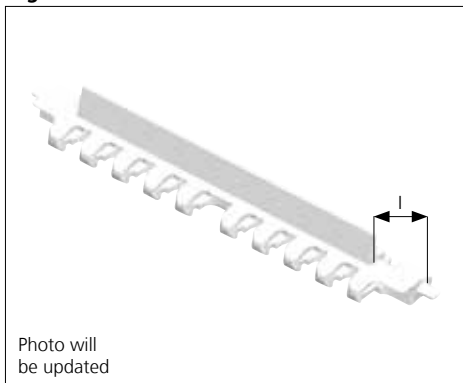
	mm	in
A	30.0	1.18
B	36.0	1.42
C	8.0	0.31
D	14.0	0.55
E	40.0	1.57
F	12.0	0.47

uni Flex ONE EOO (Exchangeable Offset O-Tab)

Exchangeable O-Tab system is made of heat and wear resistant material to improve performance between the belt edge and the wearstrip. Using a slotted wearstrip the exchangeable O-Tab will track the belt and allow the transported products to be wider than the belt. Resists high curve load at increased speed.

Accessories

Flight

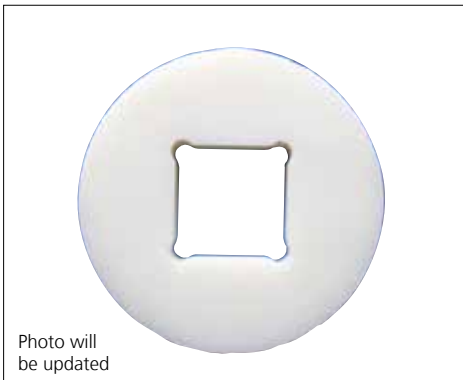


Type	Standard belt material & color	Height (H)		Indent (I)		Link size	Width	
		mm	in	mm	in		mm	in
Flight	POM-SX W B *	25.4	1.00	32.0	1.26	K1200	304.8	12.0

* Please note that uni Flex ONE in POM-SX blue is not according to the standard color quality for blue. Small variations may occur.
Non Standard material and color: See uni Material and Color Overview.

Accessories

Idler

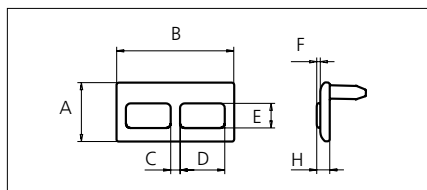
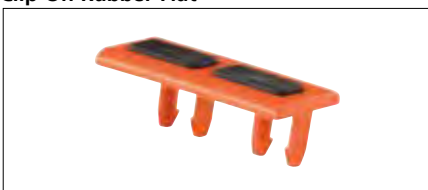


Type	Standard material & color	No. of teeth	Diameter idler	
			mm	in
Idler	POM-D N	8	72.9	2.87
		9	85.6	3.37
		11	110.7	4.36
		12	123.1	4.85
		13	135.5	5.33
		16	172.4	6.79

Thickness of idler: 20.0 mm (0.79 in).
Recommended for use at idler end to ensure smooth and low noise operation.
Non Standard material and color: See uni Material and Color Overview.

Accessories

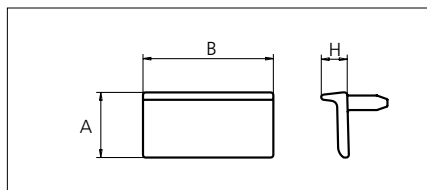
Clip On Rubber Flat



	mm	in
A	25.0	0.98
B	50.0	1.97
C	4.0	0.16
D	19.0	0.75
E	10.5	0.41
F	1.5	0.06

Accessories

Clip On Flight

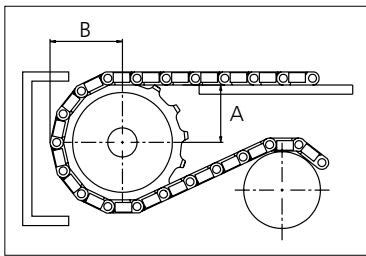


Type	Height (H)		Standard materials & colors
	mm	in	
uni Flex ONE Clip On Rubber Flat	5.5	0.22	POM-D O + Rubber 01 K
uni Flex ONE Clip On Flight	10.0	0.39	POM-D O

Sprocket

No. of teeth	Pilot Bore	Bore size											Overall diameter		Pitch diameter		Hub diameter		Dimension A		Dimension B		Single row/Two way	Double row/Two way	Machined	
		in	0.75	0.79	0.98	1.00	1.18	1.25	1.50	1.57	2.36	2.50													3.54	PAG
		mm	19.1	20.0	25.0	25.4	30.0	31.8	38.1	40.0	60.0	63.5	90.0	mm	in	mm	in	mm	in	mm	in	Molded			Machined	
Z08	x				■	●	●		●				99.9	3.93	101.0	3.98	60.0	2.36	36.5	1.44	59.0	2.32	x		x	
Z09	x					●	●		●				111.4	4.39	113.7	4.48	70.0	2.76	42.8	1.69	64.9	2.56	x		x	
Z09									■	■			111.4	4.39	113.7	4.48	74.0	2.91	42.8	1.69	64.9	2.56	x		x	
Z11	x					●	●	●					135.2	5.32	138.8	5.46	70.0	2.76	55.4	2.18	76.9	3.03	x		x	
Z11									■	■			135.2	5.32	138.8	5.46	74.0	2.91	55.4	2.18	76.9	3.03	x		x	
Z12	x					●	●	●	●				147.2	5.80	151.2	5.95	70.0	2.76	61.6	2.43	82.9	3.26	x		x	
Z12									■	■			147.2	5.80	151.2	5.95	74.0	2.91	61.6	2.43	82.9	3.26	x		x	
Z13	x					●	●	●	●				159.2	6.27	163.6	6.44	70.0	2.76	67.8	2.67	88.9	3.50	x		x	
Z13									■	■			159.2	6.27	163.6	6.44	74.0	2.91	67.8	2.67	88.9	3.50	x		x	
Z16	x					●	●	●	●				195.3	7.69	200.5	7.89	70.0	2.76	86.3	3.40	107.0	4.21	x		x	
Z16									■	■			195.3	7.69	200.5	7.89	74.0	2.91	86.3	3.40	107.0	4.21	x		x	

■ Molded sprocket ● Molded sprocket



Other sprocket sizes are available upon request
 Other bore sizes are available upon request
 uni Retainer Rings: See uni Retainer Ring data sheet
 Width of tooth = 9.0 mm (0.35 in)
 Width of sprocket = 39.0 mm (1.54 in)

Max. load per sprocket shown does not take bore size into account.
 Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni Flex ONE.
 For more detailed sprocket information, contact Customer Service.

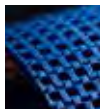
Non standard material and color: See uni Material and Color Overview.



Conveyor Belts



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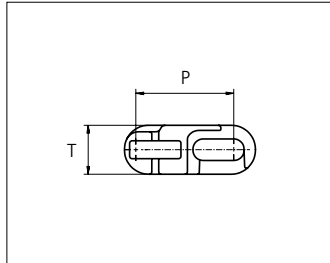
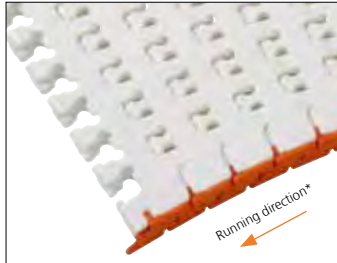
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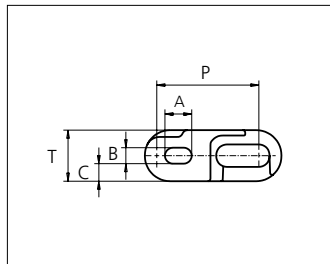
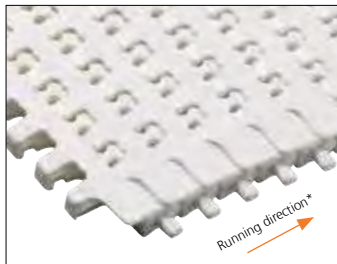
Plastic Modular Belt

Series uni Flex ONE

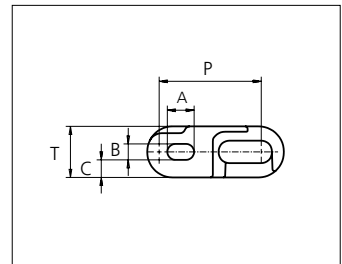
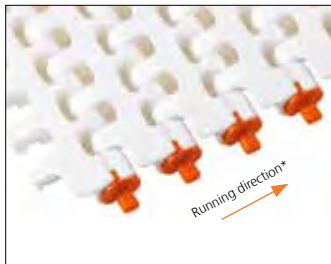


Sideflexing belt
 Nominal pitch: 38.1 mm (1.50 in)
 Surface type: Flat
 Surface opening: 15%
 Backflex radius: 50.0 mm (1.97 in)
 Min. inside radius R1.6 x belt width

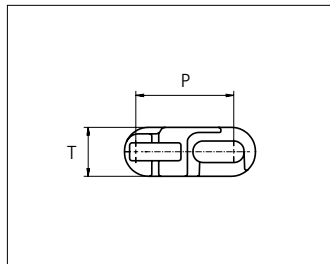
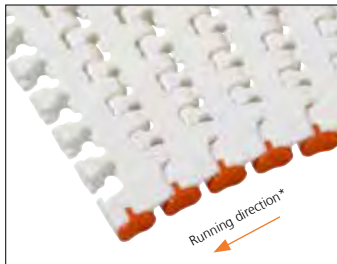
uni Flex ONE EWC R1.6
 Surface Opening: 15%



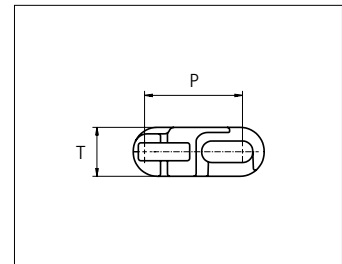
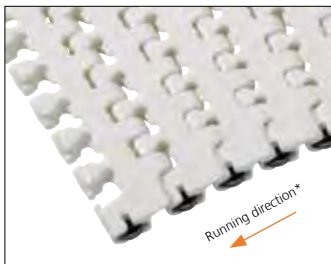
uni Flex ONE O R1.6
 Surface Opening: 15%



uni Flex ONE EO R1.6
 Surface Opening: 15%

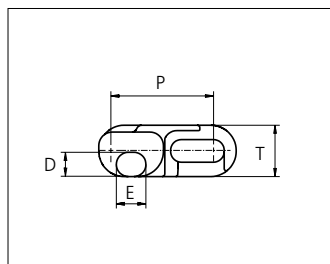
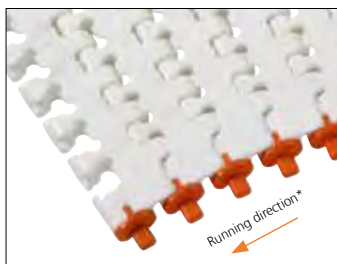


uni Flex ONE EW R1.6
 Surface Opening: 15%



uni Flex ONE ER R1.6
 Surface Opening: 15%

uni Flex ONE ER is not available for use in North America.



uni Flex ONE EOO R1.6
 Surface Opening: 15%

*uni-chains recommends this travel direction. However travel in both directions is possible.

	mm	in		mm	in
P (Nominal)	38.1	1.50	D	9.0	0.35
A	10.0	0.39	E	11.0	0.43
B	5.9	0.23	T	19.1	0.75
C	6.6	0.26	-	-	-

Belt material & color	POM-SX W B **
O-Tab, Wearpart material & color	POM DK O
EWC Wearpart material & color	K750: POM DK Y K1200, K1500, K1800: POM DK O K2400: POM DK B

**Please note that uni Flex ONE in POM-SX blue is not according to the standard color quality for blue. Small variations may occur.



STANDARD
SIDE FLEXING
PITCH 38.1 MM/1.50 IN

Belt width			Type	Permissible tensile force Belt/pin material				Belt weight Belt material		*Recommended No. drive sprocket per shaft	Number of wear strips (Min No.)	
				POM-SX				POM-SX			**Carry (pcs)	**Return (pcs)
Size	mm	in		Straight sections		Curve sections		kg/m	lb/ft			
			N	lbf	N	lbf						
K750	190.5	7.5	O	2400	540	2000	450	2.5	1.68	2	2	2
			EW					2.4	1.61			
			EO/EOO					2.5	1.68			
			ER					2.6	1.75			
			EWC					2.7	1.81			
K1200	304.8	12.0	O	4000	899	3400	764	4.0	2.69	4	3	2
			EW					3.9	2.62			
			EO/EOO					4.0	2.69			
			ER					4.1	2.76			
			EWC					4.2	2.82			
K1500	381.0	15.0	O	6400	1439	3500	787	4.9	3.29	6	3	2
			EW					4.9	3.29			
			EO/EOO					4.9	3.29			
			ER					5.0	3.36			
			EWC					5.1	3.43			
K1800	457.2	18.0	O	8200	1843	3600	809	6.1	4.10	6	4	2
			EW					6.1	4.10			
			EO/EOO					6.1	4.10			
			ER					6.2	4.17			
			EWC					6.2	4.17			
K2400	609.6	24.0	O	12000	2698	3800	854	7.9	5.31	6	5	3
			EW					7.8	5.24			
			EO/EOO					7.8	5.24			
			ER					7.9	5.31			
			EWC					8.1	5.44			

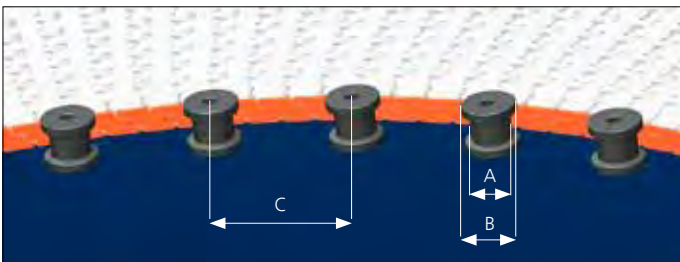
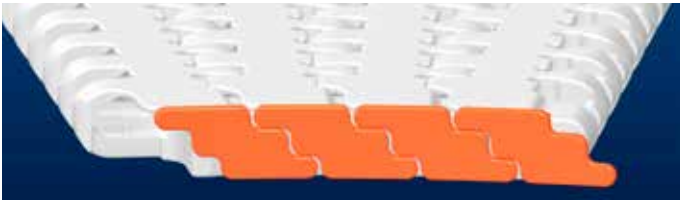
General belt tolerance is +0/-0.4% at 23°C/73°F.

*Max. Load per Drive Sprocket. Belt material: POM-SX 2500 N (562 lbf).

**Max. Spacing between wear strips, Carry: 152 mm (6 in); Return: 304 mm (12 in).

Design Guide Lines

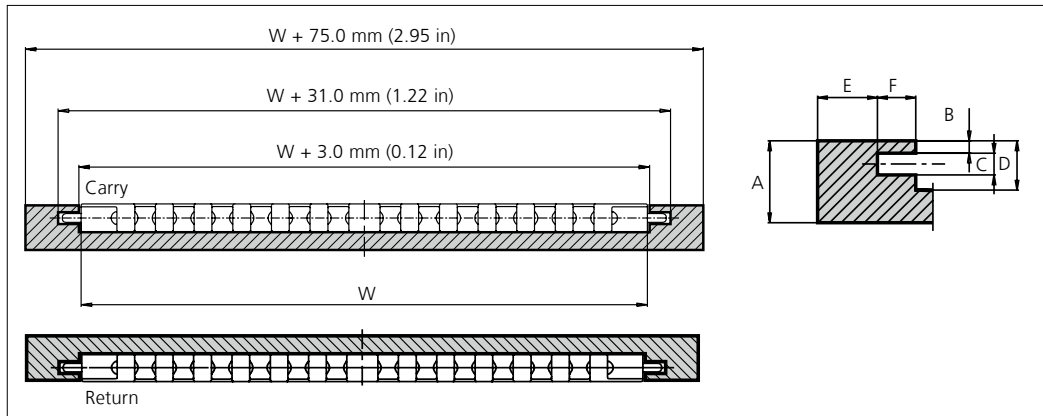
uni Flex One EWC



	mm	in
A	min \varnothing 30	min \varnothing 1¼
B	A + min 12	A + min ½
C	100-150	4-6

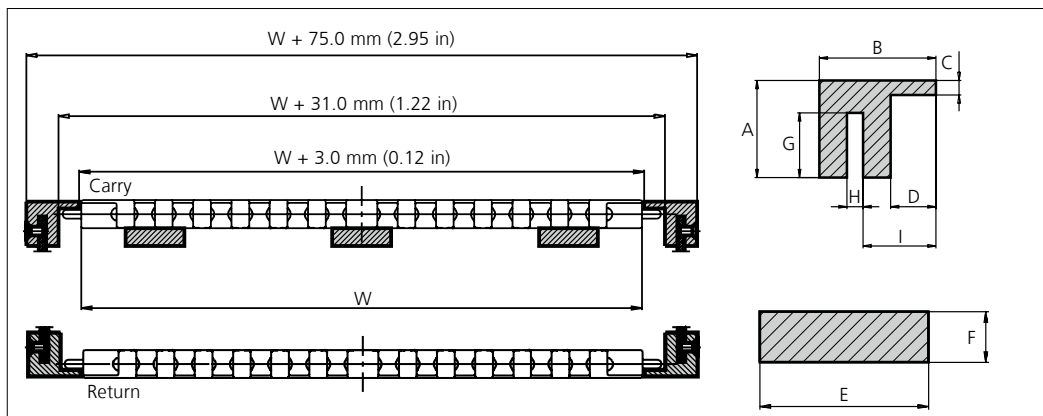
Profiles for uni Flex ONE O/EO

Compact Profile Configuration



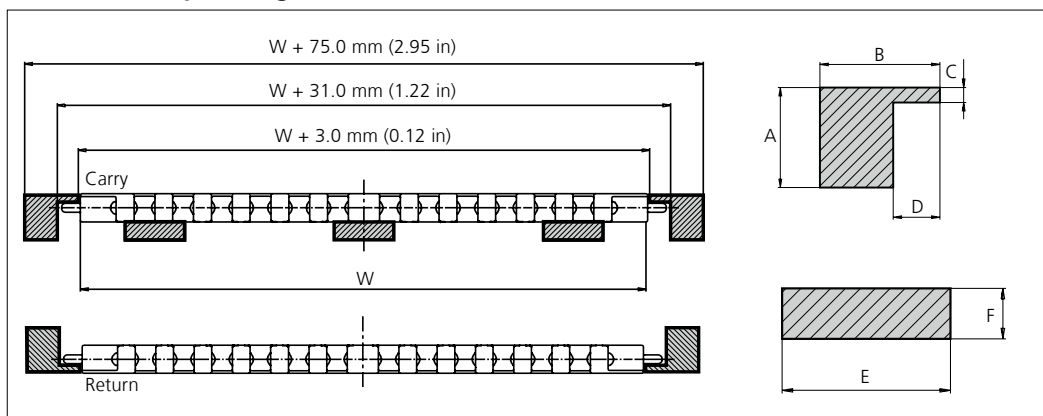
	mm	in
A	30.0	1.18
B	4.5	0.18
C	8.0	0.31
D	18.0	0.71
E	22.0	0.87
F	14.0	0.55

Slotted Wearstrip Configuration



	mm	in
A	30.0	1.18
B	36.0	1.42
C	4.5	0.18
D	14.0	0.55
E	40.0	1.57
F	12.0	0.47
G	20.0	0.79
H	5.0	0.20
I	22.5	0.89

Solid Wearstrip Configuration



	mm	in
A	30.0	1.18
B	36.0	1.42
C	4.5	0.18
D	14.0	0.55
E	40.0	1.57
F	12.0	0.47

uni Flex ONE O

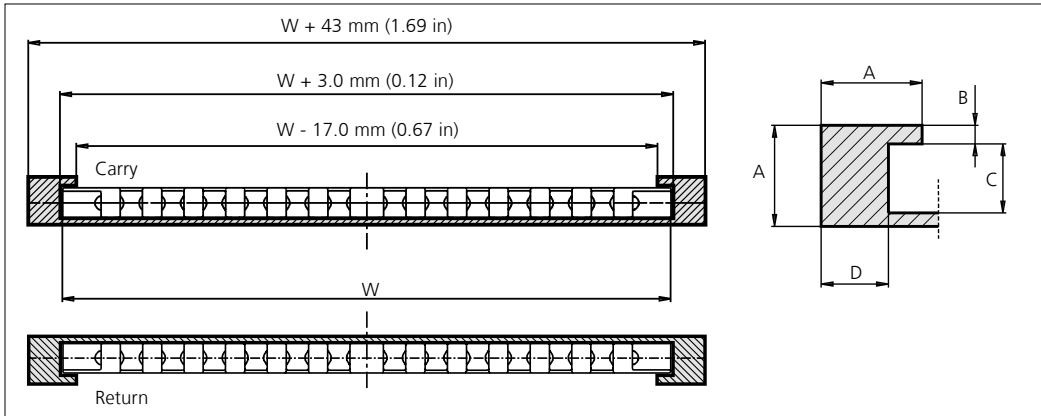
Using the uni Flex ONE with O-Tab and a slotted wearstrip, the O-Tab will allow the transported products to be wider than the belt. O-Tabs are molded into the belt to ensure cleanability and are preferred for direct food contact.

uni Flex ONE EO (Exchangeable O-Tab)

Exchangeable O-Tab system is made of heat and wear resistant material to improve performance between the belt edge and the wearstrip. Using a slotted wearstrip the exchangeable O-Tab will track the belt and allow the transported products to be wider than the belt. Resists high curve load at increased speed.

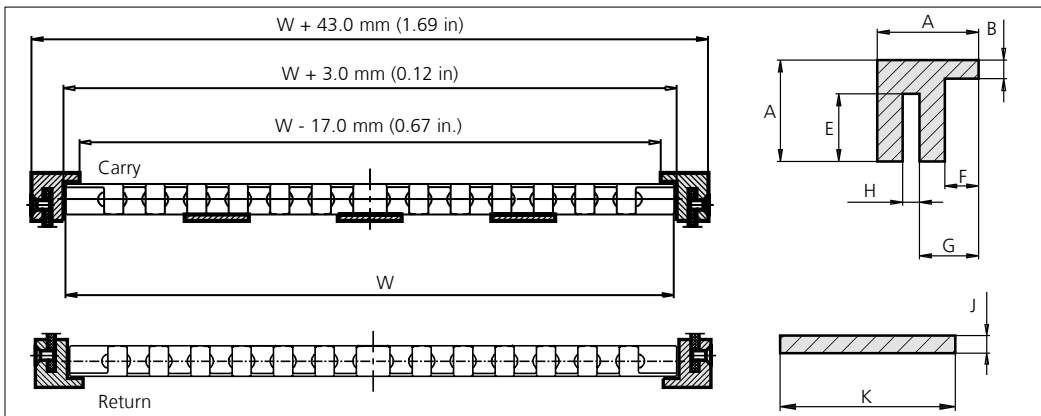
Profiles for uni Flex ONE EW/ER

Compact Profile Configuration



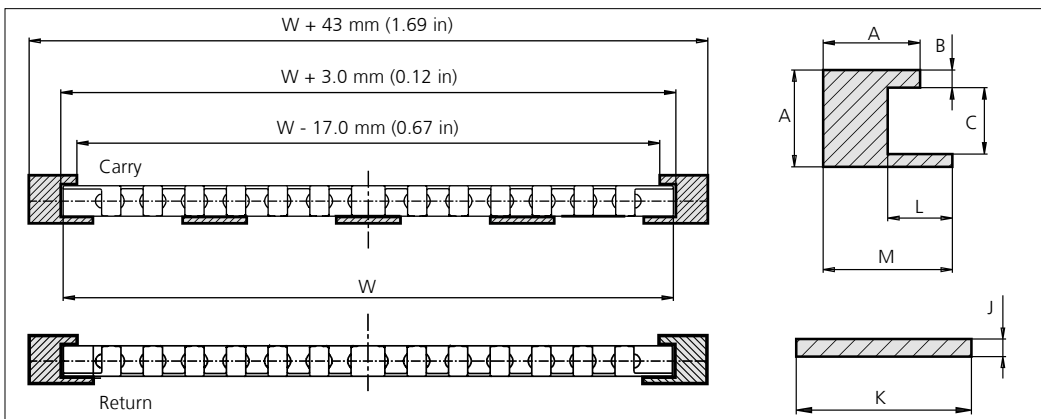
	mm	in
A	30.0	1.18
B	5.5	0.22
C	20.5	0.81
D	20.0	0.79

Slotted Wearstrip Configuration



	mm	in
A	30.0	1.18
B	5.5	0.22
E	20.0	0.79
F	10.0	0.39
G	17.5	0.69
H	5.0	0.20
J	4.0	0.16
K	40.0	1.57

Solid Wearstrip Configuration



	mm	in
A	30.0	1.18
B	5.5	0.22
C	20.5	0.81
J	4.0	0.16
K	40.0	1.57
L	20.0	0.79
M	40.0	1.57

uni Flex ONE EW (Exchangeable Wearpart)

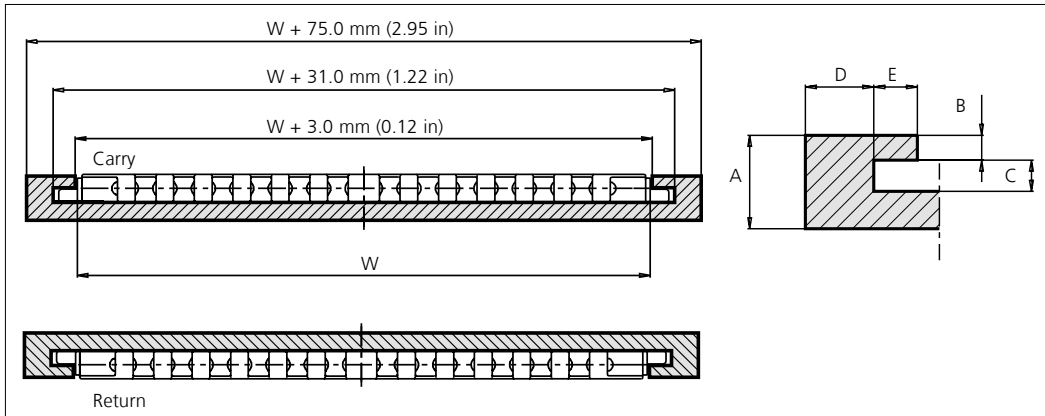
Exchangeable Wearpart system is made of heat and wear resistant material to improve performance between the belt edge and the wearstrip. This Wearpart can easily be replaced. Resists high curve load at increased speed.

uni Flex ONE ER (Exchangeable Edge Roller)

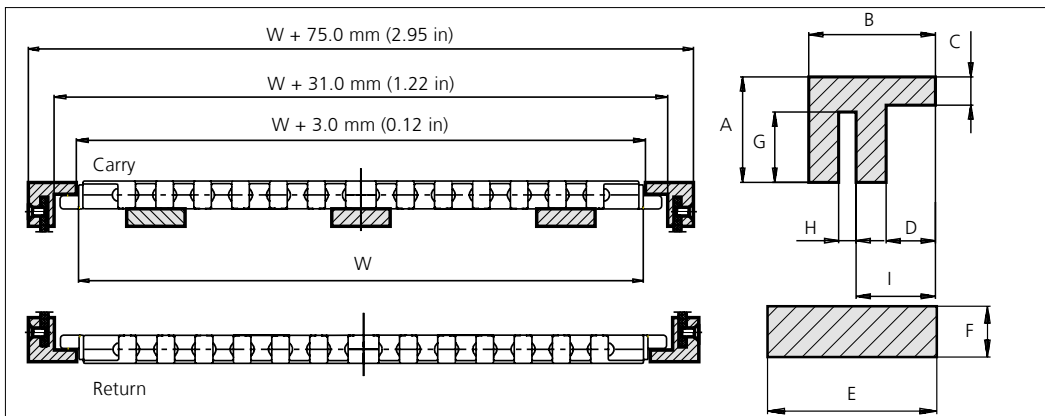
uni Flex ONE with Exchangeable Edge Rollers reduces friction in curves to a minimum making it very suitable for applications with many curves e.g. static spirals (non rotating drum) or high speed sideflexing conveyors.

Profiles for uni Flex ONE EOO

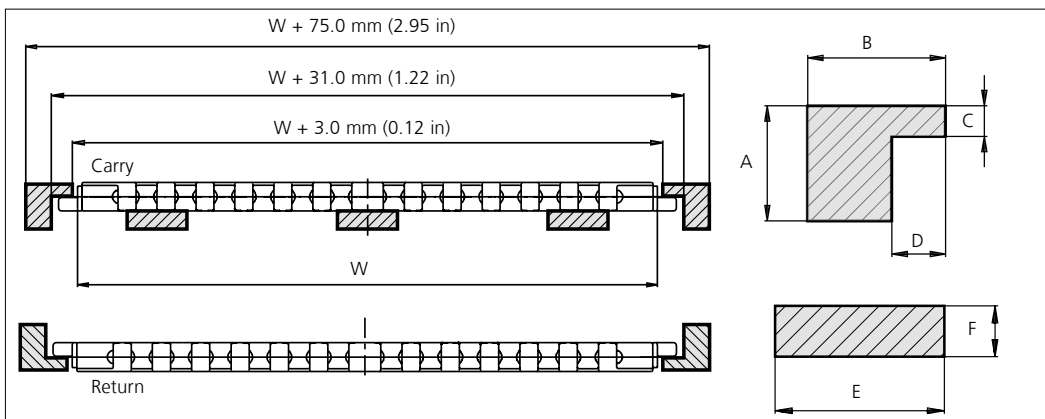
Compact Profile Configuration



Slotted Wearstrip Configuration



Solid Wearstrip Configuration

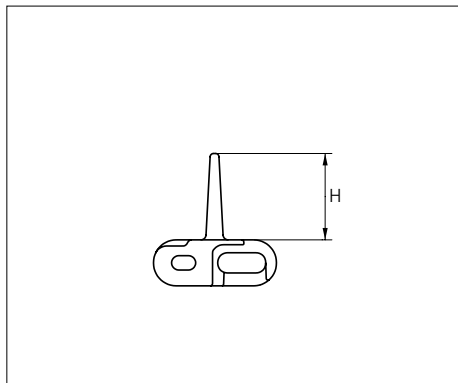
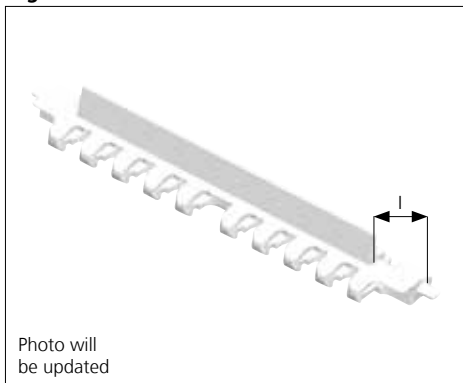


uni Flex ONE EOO (Exchangeable Offset O-Tab)

Exchangeable O-Tab system is made of heat and wear resistant material to improve performance between the belt edge and the wearstrip. Using a slotted wearstrip the exchangeable O-Tab will track the belt and allow the transported products to be wider than the belt. Resists high curve load at increased speed.

Accessories

Flight

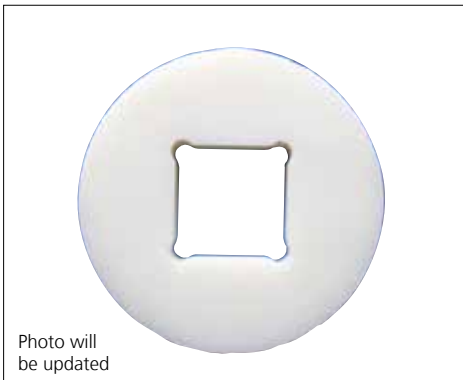


Type	Standard belt material & color	Height (H)		Indent (I)		Link size	Width	
		mm	in	mm	in		mm	in
Flight	POM-SX W B *	25.4	1.00	32.0	1.26	K1200	304.8	12.0

* Please note that uni Flex ONE in POM-SX blue is not according to the standard color quality for blue. Small variations may occur.
Non Standard material and color: See uni Material and Color Overview.

Accessories

Idler

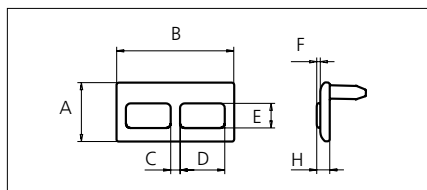
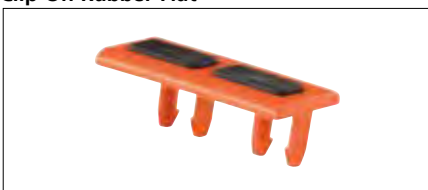


Type	Standard material & color	No. of teeth	Diameter idler	
			mm	in
Idler	POM-D N	8	72.9	2.87
		9	85.6	3.37
		11	110.7	4.36
		12	123.1	4.85
		13	135.5	5.33
		16	172.4	6.79

Thickness of idler: 20.0 mm (0.79 in).
Recommended for use at idler end to ensure smooth and low noise operation.
Non Standard material and color: See uni Material and Color Overview.

Accessories

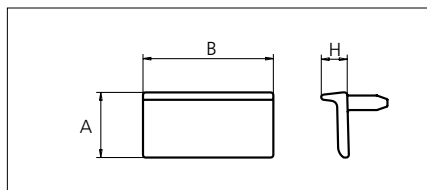
Clip On Rubber Flat



	mm	in
A	25.0	0.98
B	50.0	1.97
C	4.0	0.16
D	19.0	0.75
E	10.5	0.41
F	1.5	0.06

Accessories

Clip On Flight

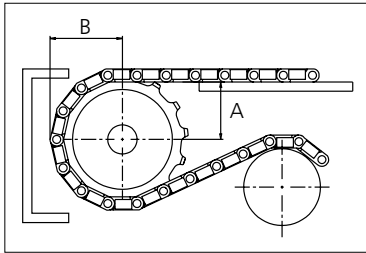


Type	Height (H)		Standard materials & colors
	mm	in	
uni Flex ONE Clip On Rubber Flat	5.5	0.22	POM-D O + Rubber 01 K
uni Flex ONE Clip On Flight	10.0	0.39	POM-D O

Sprocket

No. of teeth	Pilot Bore	Bore size											Overall diameter		Pitch diameter		Hub diameter		Dimension A		Dimension B		Single row/Two way	Double row/Two way	Molded		Machined	
		in	0.75	0.79	0.98	1.00	1.18	1.25	1.50	1.57	2.36	2.50													3.54	PAG	LG	PAG
		mm	19.1	20.0	25.0	25.4	30.0	31.8	38.1	40.0	60.0	63.5	90.0	mm	in	mm	in	mm	in	mm	in	Molded			Machined			
Z08	x				■	●	●		●				99.9	3.93	101.0	3.98	60.0	2.36	36.5	1.44	59.0	2.32	x		x			
Z09	x					●	●		●				111.4	4.39	113.7	4.48	70.0	2.76	42.8	1.69	64.9	2.56	x		x			
Z09									■	■			111.4	4.39	113.7	4.48	74.0	2.91	42.8	1.69	64.9	2.56	x		x			
Z11	x					●	●	●					135.2	5.32	138.8	5.46	70.0	2.76	55.4	2.18	76.9	3.03	x		x			
Z11									■	■			135.2	5.32	138.8	5.46	74.0	2.91	55.4	2.18	76.9	3.03	x		x			
Z12	x					●	●	●	●				147.2	5.80	151.2	5.95	70.0	2.76	61.6	2.43	82.9	3.26	x		x			
Z12									■	■			147.2	5.80	151.2	5.95	74.0	2.91	61.6	2.43	82.9	3.26	x		x			
Z13	x					●	●	●	●				159.2	6.27	163.6	6.44	70.0	2.76	67.8	2.67	88.9	3.50	x		x			
Z13									■	■			159.2	6.27	163.6	6.44	74.0	2.91	67.8	2.67	88.9	3.50	x		x			
Z16	x					●	●	●	●				195.3	7.69	200.5	7.89	70.0	2.76	86.3	3.40	107.0	4.21	x		x			
Z16									■	■			195.3	7.69	200.5	7.89	74.0	2.91	86.3	3.40	107.0	4.21	x		x			

■ Molded sprocket ● Molded sprocket



Other sprocket sizes are available upon request
 Other bore sizes are available upon request
 uni Retainer Rings: See uni Retainer Ring data sheet
 Width of tooth = 9.0 mm (0.35 in)
 Width of sprocket = 39.0 mm (1.54 in)

Max. load per sprocket shown does not take bore size into account.
 Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni Flex ONE.
 For more detailed sprocket information, contact Customer Service.

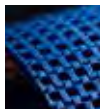
Non standard material and color: See uni Material and Color Overview.



Conveyor Belts



Seamless Belts



Modular Belts



Timing Belts



Transmission Belts



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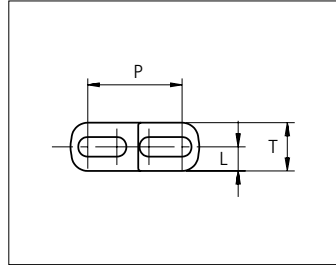
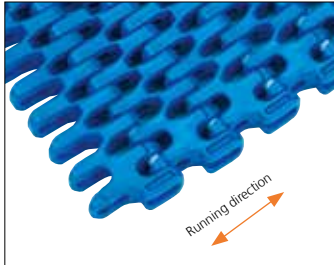
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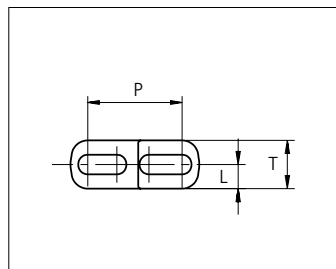
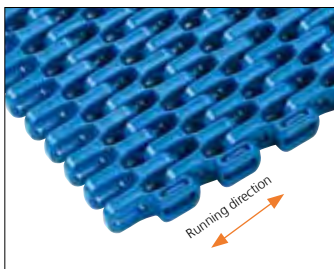
Plastic Modular Belt

Series uni Flex SNB

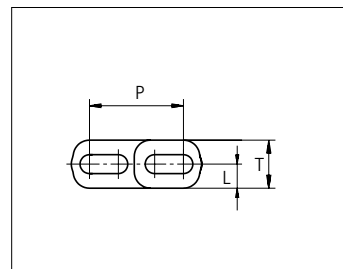
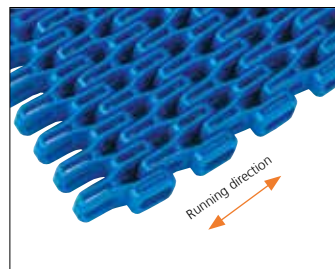


Sideflexing belt
Nominal pitch: 25.4 mm (1.00 in)
Surface type: Flat
Surface opening: 47%/55%
Backflex radius: 25.0 mm (0.98 in)
Pin diameter: 5.0 mm (0.20 in)
Min. inside radius: R1.6 x belt width, R2.3 x belt width

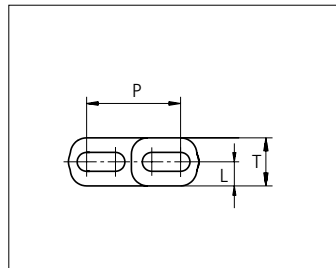
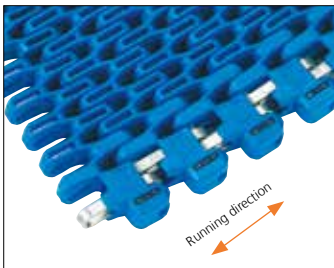
uni Flex SNB CR R1.6
Surface Opening: 47%



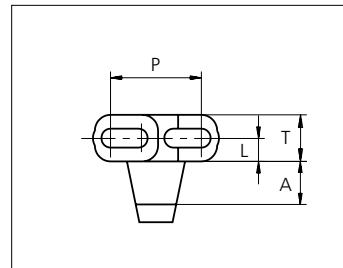
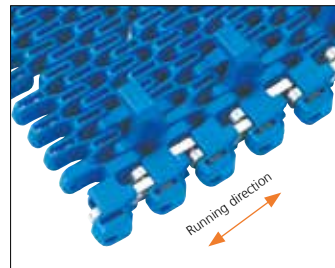
uni Flex SNB C R2.3
Surface Opening: 47%



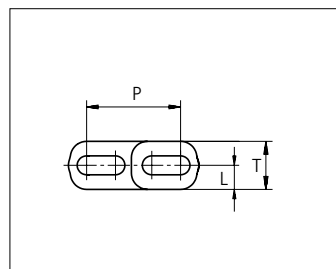
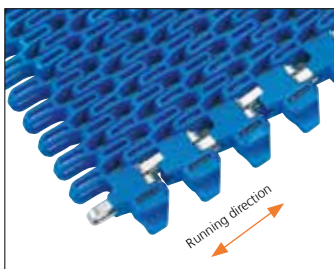
uni Flex SNB L R2.3
Surface Opening: 55%



uni Flex SNB W R2.3
Surface Opening: 55%



uni Flex SNB WT R2.3
Surface Opening: 55%



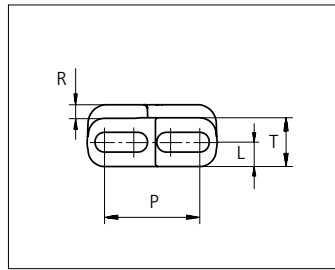
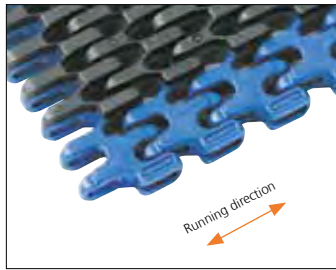
uni Flex SNB WO R2.3
Surface Opening: 55%

	mm	in		mm	in
P (Nominal)	25.4	1.00	L	6.5	0.26
A	12.0	0.47	T	13.0	0.51

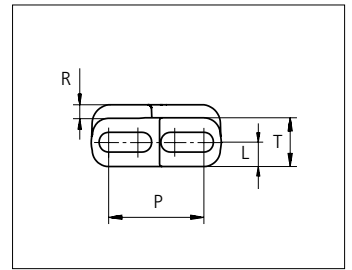
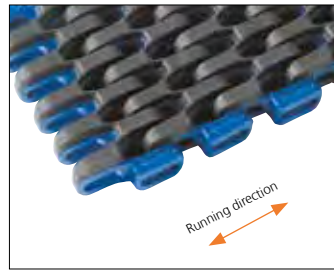
STANDARD

SIDE FLEXING

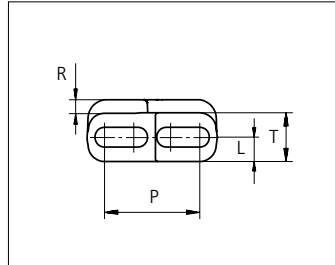
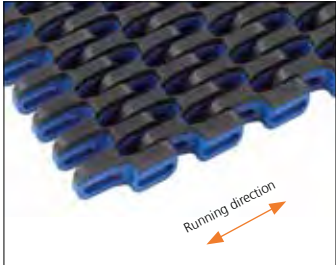
PITCH 25.4 MM/1.00 IN



uni Flex SNB CR Rubber Top R1.6
Surface Opening: 47%



uni Flex SNB CI Rubber Top R2.3
Surface Opening: 47%



uni Flex SNB C Rubber Top R2.3
Surface Opening: 47%

	mm	in		mm	in
P (Nominal)	25.4	1.00	R	3.0	0.12
L	6.5	0.26	T	13.0	0.51

Indent uni Flex SNB CR Rubber Top R1.6 is 26.5 mm (1.04 in). uni Flex SNB CI Rubber Top R2.3 is 7.0 mm (0.28 in). uni Flex SNB C Rubber Top R2.3 is available without indent.

Type	Belt materials and colors	Pin materials and colors
uni Flex SNB CR R1.6 uni Flex SNB C R2.3 uni Flex SNB L R2.3*	POM-D B W PP B W PA6.6 B W	PBT LG
uni Flex SNB C R2.3	POM-D B W	SS304
uni Flex SNB W	PP B W	
uni Flex SNB WO	PA6.6 B W	
uni Flex SNB WT	PA6.6 B W	SS304 PBT LG
uni Flex SNB CR Rubber Top R1.6 uni Flex SNB CI Rubber Top R2.3 uni Flex SNB CI Rubber Top R2.3	PP B W + 03 K PP B W + 03 N	PBT LG

Standard materials and colors

Lockingplates PP **W B**

Wearpart and O-Tab PA6.6 **W B**

For high speed or load abrasive applications:

Wearpart and O-Tab POM-DK **N**

Non standard material and color: See uni Material and Color Overview.

Alternative pin materials: PA6.6 **B N**

uni Flex SNB CR R1.6

Belt width		Permissible tensile force (Belt/pin material)												Belt weight (Belt/pin material)						*Min No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-D/PBT				PP/PBT				PA6.6/PBT				POM-D /PBT		PP/PBT		PA6.6/PBT			**Carry (pcs)	**Return (pcs)
		Straight sections		Curve sections		Straight sections		Curve sections		Straight sections		Curve sections										
mm	in	N	lbf	N	lbf	N	lbf	N	lbf	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft	kg/m	lb/ft			
76	3.0	2280	513	600	135	1140	256	600	135	2280	513	600	135	0.6	0.39	0.4	0.28	0.5	0.33	2	2	2
152	6.0	4561	1025	600	135	2281	513	600	135	4561	1025	600	135	1.2	0.79	0.8	0.55	1.0	0.65	2	2	2
228	9.0	6842	1538	600	135	3421	769	600	135	6842	1538	600	135	1.8	1.18	1.2	0.83	1.5	0.98	2	2	2
304	12.0	9124	2051	600	135	4562	1025	600	135	9124	2051	600	135	2.3	1.57	1.6	1.10	1.9	1.31	3	3	2
380	15.0	11405	2564	600	135	5702	1282	600	135	11405	2564	600	135	2.9	1.97	2.1	1.38	2.4	1.64	3	3	2
456	18.0	13686	3077	600	135	6843	1538	600	135	13686	3077	600	135	3.5	2.36	2.5	1.66	2.9	1.96	5	4	2
532	21.0	15967	3589	600	135	7984	1795	600	135	15967	3589	600	135	4.1	2.75	2.9	1.93	3.4	2.29	5	4	2
608	23.9	18248	4102	600	135	9124	2051	600	135	18248	4102	600	135	4.7	3.15	3.3	2.21	3.9	2.62	5	5	3
684	26.9	20530	4615	600	135	10265	2308	600	135	20530	4615	600	135	5.3	3.54	3.7	2.48	4.4	2.94	5	5	3
760	29.9	22811	5128	600	135	11405	2564	600	135	22811	5128	600	135	5.9	3.93	4.1	2.76	4.9	3.27	7	6	3
836	32.9	25092	5641	600	135	12546	2820	600	135	25092	5641	600	135	6.4	4.33	4.5	3.04	5.4	3.60	7	6	3
912	35.9	27373	6153	600	135	13687	3077	600	135	27373	6153	600	135	7.0	4.72	4.9	3.31	5.8	3.92	7	7	4
988	38.9	29654	6666	600	135	14827	3333	600	135	29654	6666	600	135	7.6	5.12	5.3	3.59	6.3	4.25	7	7	4

Additional standard belt widths are available in steps of 76.0 mm (2.99 in) Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in)

1597	62.9	47910	10770	600	135	23955	5385	600	135	47910	10770	600	135	12.3	8.26	8.6	5.80	10.2	6.87	11	11	6
------	------	-------	-------	-----	-----	-------	------	-----	-----	-------	-------	-----	-----	------	------	-----	------	------	------	----	----	---

Additional standard belt widths are available in steps of 76.0 mm (2.99 in) Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in)

1977	77.8	59310	13333	600	135	29655	6666	600	135	59310	13333	600	135	15.2	10.23	10.7	7.17	12.7	8.50	15	14	7
------	------	-------	-------	-----	-----	-------	------	-----	-----	-------	-------	-----	-----	------	-------	------	------	------	------	----	----	---

General belt tolerance is +0/-0.4% at 23°C/73°F. For exact belt width contact Customer Service. Non standard belt width on request.

Flex SNB-CR locked with wearpart or O-tabs both sides are 6 mm wider than the dimensions in the table above.

*Max. Load per Drive Sprocket. Belt material: POM-D 1000 N (225 lbf), PP 850 N (191 lbf), PA6.6 1000 N (225 lbf)

**Max. Spacing between wear strips, Carry: 152 mm (6 in); Return: 304 mm (12 in)

uni Flex SNB C R2.3 / uni Flex SNB L R2.3

Belt width		Permissible tensile force (Belt/pin material)												Belt weight (Belt/pin material)						*Min No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-D/PBT				PP/PBT				PA6.6/PBT				PP/PBT		PA6.6/PBT		**Carry (pcs)	**Return (pcs)			
		Straight sections		Curve sections		Straight sections		Curve sections		Straight sections		Curve sections										
mm	in	N	lbf	N	lbf	N	lbf	N	lbf	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft			kg/m	lb/ft	
76	3.0	2280	513	1000	225	1140	256	600	135	2280	513	1000	225	0.5	0.35	0.4	0.25	0.4	0.30	2	2	2
152	6.0	4561	1025	1000	225	2281	513	600	135	4561	1025	1000	225	1.0	0.71	0.7	0.49	0.9	0.59	2	2	2
228	9.0	6842	1538	1000	225	3421	769	600	135	6842	1538	1000	225	1.6	1.06	1.1	0.74	1.3	0.89	2	2	2
304	12.0	9124	2051	1000	225	4562	1025	600	135	9124	2051	1000	225	2.1	1.41	1.5	0.98	1.8	1.19	3	3	2
380	15.0	11405	2564	1000	225	5702	1282	600	135	11405	2564	1000	225	2.6	1.76	1.8	1.23	2.2	1.48	3	3	2
456	18.0	13686	3077	1000	225	6843	1538	600	135	13686	3077	1000	225	3.1	2.12	2.2	1.47	2.6	1.78	5	4	2
532	21.0	15967	3589	1000	225	7984	1795	600	135	15967	3589	1000	225	3.7	2.47	2.6	1.72	3.1	2.07	5	4	2
608	23.9	18248	4102	1000	225	9124	2051	600	135	18248	4102	1000	225	4.2	2.82	2.9	1.96	3.5	2.37	5	5	3
684	26.9	20530	4615	1000	225	10265	2308	600	135	20530	4615	1000	225	4.7	3.17	3.3	2.21	4.0	2.67	5	5	3
760	29.9	22811	5128	1000	225	11405	2564	600	135	22811	5128	1000	225	5.2	3.53	3.6	2.45	4.4	2.96	7	6	3
836	32.9	25092	5641	1000	225	12546	2820	600	135	25092	5641	1000	225	5.8	3.88	4.0	2.70	4.9	3.26	7	6	3
912	35.9	27373	6153	1000	225	13687	3077	600	135	27373	6153	1000	225	6.3	4.23	4.4	2.94	5.3	3.56	7	7	4
988	38.9	29654	6666	1000	225	14827	3333	600	135	29654	6666	1000	225	6.8	4.58	4.7	3.19	5.7	3.85	7	7	4

Additional standard belt widths are available in steps of 76.0 mm (2.99 in) Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in)

1597	62.9	47910	10770	1000	225	23955	5385	600	135	47910	10770	1000	225	11.0	7.41	7.7	5.15	9.3	6.22	11	11	6
------	------	-------	-------	------	-----	-------	------	-----	-----	-------	-------	------	-----	------	------	-----	------	-----	------	----	----	---

Additional standard belt widths are available in steps of 76.0 mm (2.99 in) Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in)

1977	77.8	59310	13333	1000	225	29655	6666	600	135	59310	13333	1000	225	13.6	9.17	9.5	6.38	11.5	7.71	15	14	7
------	------	-------	-------	------	-----	-------	------	-----	-----	-------	-------	------	-----	------	------	-----	------	------	------	----	----	---

General belt tolerance is +0/-0.4% at 23°C/73°F. For exact belt width contact Customer Service. Non standard belt width on request.

Flex SNB-L locked with wearpart or O-tabs both sides are 6 mm wider than the dimensions in the table above.

*Max. Load per Drive Sprocket. Belt material: POM-D 1000 N (225 lbf), PP 850 N (191 lbf), PA6.6 1000 N (225 lbf)

**Max. Spacing between wear strips, Carry: 152 mm (6 in); Return: 304 mm (12 in)

uni Flex SNB W R2.3 / uni Flex SNB WO R2.3

Belt width		Permissible tensile force (Belt/pin material)												Belt weight (Belt/pin material)						*Min No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-D/SS +Reinforcement links				POM-D/SS +Reinforcement links				POM-D/SS +Reinforcement links				SS+ Reinforcement links		SS+ Reinforcement links		SS+ Reinforcement links			**Carry (pcs)	**Return (pcs)
		Straight sections		Curve sections		Straight sections		Curve sections		Straight sections		Curve sections		links		links		links				
mm	in	N	lbf	N	lbf	N	lbf	N	lbf	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft	kg/m	lb/ft			
82	3.2	2460	553	3300	742	1230	277	3300	742	2460	553	3300	742	1.0	0.67	0.8	0.55	0.9	0.61	2	2	2
158	6.2	4741	1066	3300	742	2371	533	3300	742	4741	1066	3300	742	1.9	1.29	1.6	1.06	1.7	1.17	2	2	2
234	9.2	7022	1579	3300	742	3511	789	3300	742	7022	1579	3300	742	2.8	1.90	2.3	1.57	2.6	1.73	2	2	2
310	12.2	9304	2091	3300	742	4652	1046	3300	742	9304	2091	3300	742	3.8	2.52	3.1	2.08	3.4	2.29	3	3	2
386	15.2	11585	2604	3300	742	5792	1302	3300	742	11585	2604	3300	742	4.7	3.14	3.9	2.60	4.2	2.85	3	3	2
462	18.2	13866	3117	3300	742	6933	1559	3300	742	13866	3117	3300	742	5.6	3.76	4.6	3.11	5.1	3.42	5	4	2
538	21.2	16147	3630	3300	742	8074	1815	3300	742	16147	3630	3300	742	6.5	4.38	5.4	3.62	5.9	3.98	5	4	2
614	24.2	18428	4143	3300	742	9214	2071	3300	742	18428	4143	3300	742	7.4	5.00	6.1	4.13	6.8	4.54	5	5	3
690	27.2	20710	4656	3300	742	10355	2328	3300	742	20710	4656	3300	742	8.4	5.61	6.9	4.64	7.6	5.10	5	5	3
766	30.2	22991	5168	3300	742	11495	2584	3300	742	22991	5168	3300	742	9.3	6.23	7.7	5.15	8.4	5.67	7	6	3
842	33.2	25272	5681	3300	742	12636	2841	3300	742	25272	5681	3300	742	10.2	6.85	8.4	5.66	9.3	6.23	7	6	3
918	36.2	27553	6194	3300	742	13777	3097	3300	742	27553	6194	3300	742	11.1	7.47	9.2	6.17	10.1	6.79	7	7	4
994	39.2	29834	6707	3300	742	14917	3353	3300	742	29834	6707	3300	742	12.0	8.09	9.9	6.68	10.9	7.35	7	7	4
Additional standard belt widths are available in steps of 76.0 mm (2.99 in) Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in)																						
1603	63.1	48090	10811	3300	742	24045	5405	3300	742	48090	10811	3300	742	19.4	13.04	16.0	10.77	17.6	11.85	11	11	6
Additional standard belt widths are available in steps of 76.0 mm (2.99 in) Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in)																						
1983	78.1	59490	13373	3300	742	29745	6687	3300	742	59490	13373	3300	742	24.0	16.13	19.8	13.33	21.8	14.66	15	14	7

General belt tolerance is +0/-0.4% at 23°C/73°F. For exact belt width contact Customer Service. Non standard belt width on request.

Outer modules are always in PA6.6 on belts wider than 234 mm (9.21 in).

Belts up to 234 mm (9.21 in) in width is only available in PA6.6.

*Max. Load per Drive Sprocket. Belt material: POM-D 1000 N (225 lbf), PP 850 N (191 lbf), PA6.6 1000 N (225 lbf).

**Max. Spacing between wear strips, Carry: 152 mm (6 in); Return: 304 mm (12 in).

uni Flex SNB WT R2.3 – PBT pins

Belt width		Permissible tensile force (Belt/pin material)												Belt weight (Belt/pin material)						*Min No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-D/PBT				PP/PBT				PA6.6/PBT				POM-D/PBT		PP/PBT		PA6.6/PBT			**Carry (pcs)	**Return (pcs)
		Straight sections		Curve sections		Straight sections		Curve sections		Straight sections		Curve sections		links		links		links				
mm	in	N	lbf	N	lbf	N	lbf	N	lbf	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft	kg/m	lb/ft			
82	3.2	2460	553	1000	225	1230	277	1000	225	2460	553	1000	225	0.6	0.38	0.4	0.26	0.5	0.32	2	2	2
158	6.2	4741	1066	1000	225	2371	533	1000	225	4741	1066	1000	225	1.1	0.73	0.8	0.51	0.9	0.62	2	2	2
234	9.2	7022	1579	1000	225	3511	789	1000	225	7022	1579	1000	225	1.6	1.09	1.1	0.76	1.4	0.91	2	2	2
310	12.2	9304	2091	1000	225	4652	1046	1000	225	9304	2091	1000	225	2.1	1.44	1.5	1.00	1.8	1.21	3	3	2
386	15.2	11585	2604	1000	225	5792	1302	1000	225	11585	2604	1000	225	2.7	1.79	1.9	1.25	2.2	1.51	3	3	2
462	18.2	13866	3117	1000	225	6933	1559	1000	225	13866	3117	1000	225	3.2	2.14	2.2	1.49	2.7	1.80	5	4	2
538	21.2	16147	3630	1000	225	8074	1815	1000	225	16147	3630	1000	225	3.7	2.50	2.6	1.74	3.1	2.10	5	4	2
614	24.2	18428	4143	1000	225	9214	2071	1000	225	18428	4143	1000	225	4.2	2.85	2.9	1.98	3.6	2.39	5	5	3
690	27.2	20710	4656	1000	225	10355	2328	1000	225	20710	4656	1000	225	4.8	3.20	3.3	2.23	4.0	2.69	5	5	3
766	30.2	22991	5168	1000	225	11495	2584	1000	225	22991	5168	1000	225	5.3	3.55	3.7	2.47	4.4	2.99	7	6	3
842	33.2	25272	5681	1000	225	12636	2841	1000	225	25272	5681	1000	225	5.8	3.91	4.0	2.72	4.9	3.28	7	6	3
918	36.2	27553	6194	1000	225	13777	3097	1000	225	27553	6194	1000	225	6.3	4.26	4.4	2.96	5.3	3.58	7	7	4
994	39.2	29834	6707	1000	225	14917	3353	1000	225	29834	6707	1000	225	6.9	4.61	4.8	3.21	5.8	3.88	7	7	4
Additional standard belt widths are available in steps of 76.0 mm (2.99 in) Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in)																						
1603	63.1	48090	10811	1000	225	24045	5405	1000	225	48090	10811	1000	225	11.1	7.43	7.7	5.17	9.3	6.25	11	11	6
Additional standard belt widths are available in steps of 76.0 mm (2.99 in) Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in)																						
1983	78.1	59490	13373	1000	225	29745	6687	1000	225	59490	13373	1000	225	13.7	9.20	9.5	6.40	11.5	7.73	15	14	7

General belt tolerance is +0/-0.4% at 23°C/73°F. For exact belt width contact Customer Service. Non standard belt width on request.

Outer modules are always in PA6.6 on belts wider than 234 mm (9.21 in).

Belts up to 234 mm (9.21 in) in width is only available in PA6.6.

*Max. Load per Drive Sprocket. Belt material: POM-D 1000 N (225 lbf), PP 850 N (191 lbf), PA6.6 1000 N (225 lbf).

**Max. Spacing between wear strips, Carry: 152 mm (6 in); Return: 304 mm (12 in).

uni Flex SNB WT R2.3 – SS pins

Belt width		Permissible tensile force (Belt/pin material)												Belt weight (Belt/pin material)						*Min No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-D/SS +Reinforcement links				PP/SS +Reinforcement links				PA6.6/SS +Reinforcement links				SS+ Rein- forcement links		SS+ Rein- forcement links		SS+ Rein- forcement links			**Carry (pcs)	**Return (pcs)
		Straight sections		Curve sections		Straight sections		Curve sections		Straight sections		Curve sections		kg/m	lb/ft	kg/m	lb/ft	kg/m	lb/ft			
mm	in	N	lbf	N	lbf	N	lbf	N	lbf	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft	kg/m	lb/ft			
82	3.2	2460	553	3300	742	1230	277	3300	742	2460	553	3300	742	1.0	0.67	0.8	0.55	0.9	0.61	2	2	2
158	6.2	4741	1066	3300	742	2371	533	3300	742	4741	1066	3300	742	1.9	1.29	1.6	1.06	1.7	1.17	2	2	2
234	9.2	7022	1579	3300	742	3511	789	3300	742	7022	1579	3300	742	2.8	1.90	2.3	1.57	2.6	1.73	2	2	2
310	12.2	9304	2091	3300	742	4652	1046	3300	742	9304	2091	3300	742	3.8	2.52	3.1	2.08	3.4	2.29	3	3	2
386	15.2	11585	2604	3300	742	5792	1302	3300	742	11585	2604	3300	742	4.7	3.14	3.9	2.60	4.2	2.85	3	3	2
462	18.2	13866	3117	3300	742	6933	1559	3300	742	13866	3117	3300	742	5.6	3.76	4.6	3.11	5.1	3.42	5	4	2
538	21.2	16147	3630	3300	742	8074	1815	3300	742	16147	3630	3300	742	6.5	4.38	5.4	3.62	5.9	3.98	5	4	2
614	24.2	18428	4143	3300	742	9214	2071	3300	742	18428	4143	3300	742	7.4	5.00	6.1	4.13	6.8	4.54	5	5	3
690	27.2	20710	4656	3300	742	10355	2328	3300	742	20710	4656	3300	742	8.4	5.61	6.9	4.64	7.6	5.10	5	5	3
766	30.2	22991	5168	3300	742	11495	2584	3300	742	22991	5168	3300	742	9.3	6.23	7.7	5.15	8.4	5.67	7	6	3
842	33.2	25272	5681	3300	742	12636	2841	3300	742	25272	5681	3300	742	10.2	6.85	8.4	5.66	9.3	6.23	7	6	3
918	36.2	27553	6194	3300	742	13777	3097	3300	742	27553	6194	3300	742	11.1	7.47	9.2	6.17	10.1	6.79	7	7	4
994	39.2	29834	6707	3300	742	14917	3353	3300	742	29834	6707	3300	742	12.0	8.09	9.9	6.68	10.9	7.35	7	7	4

Additional standard belt widths are available in steps of 76.0 mm (2.99 in) Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in).

1603	63.1	48090	10811	3300	742	24045	5405	3300	742	48090	10811	3300	742	19.4	13.04	16.0	10.77	17.6	11.85	11	11	6
------	------	-------	-------	------	-----	-------	------	------	-----	-------	-------	------	-----	------	-------	------	-------	------	-------	----	----	---

Additional standard belt widths are available in steps of 76.0 mm (2.99 in) Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in).

1983	78.1	59490	13373	3300	742	29745	6687	3300	742	59490	13373	3300	742	24.0	16.13	19.8	13.33	21.8	14.66	15	14	7
------	------	-------	-------	------	-----	-------	------	------	-----	-------	-------	------	-----	------	-------	------	-------	------	-------	----	----	---

General belt tolerance is +0/-0.4% at 23°C/73°F. For exact belt width contact Customer Service. Non standard belt width on request.

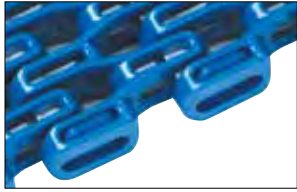
Outer modules are always in PA6.6 on belts wider than 234 mm (9.21 in).

Belts up to 234 mm (9.21 in) in width is only available in PA6.6.

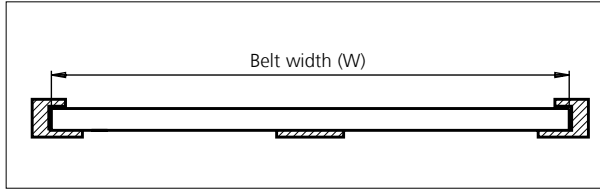
*Max. Load per Drive Sprocket. Belt material: POM-D 1000 N (225 lbf), PP 850 N (191 lbf), PA6.6 1000 N (225 lbf).

**Max. Spacing between wear strips, Carry: 152 mm (6 in); Return: 304 mm (12 in).

Belt Tracking and Control Systems



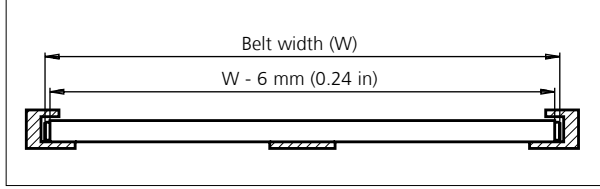
uni Flex SNB L R2.3
Standard



Basic belt types can be combined with the belt tracking and control systems below to enhance performance. Basic belt types can be combined with the belt tracking and control systems below to enhance performance.



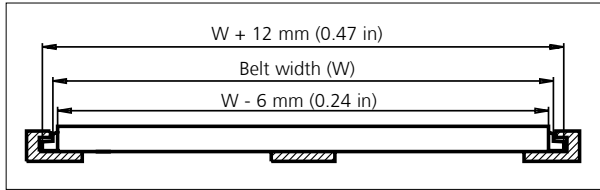
Wearpart



Wearpart system made of heat and wear resistant nylon to reduce the friction between belt edge and wearstrip. Only this part needs to be replaced when it has been worn out, not the entire belt.



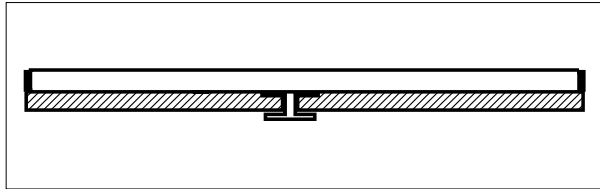
O-Tab



Outer edge tab system made of heat and wear resistant nylon to reduce the friction between belt edge and wearstrip. Using a slotted wear-strip, the O-Tab will track the belt and allow the conveyed products to be wider than the belt.
Height of O-Tab: 6.4 mm (0.25 in)
Height of slot: 8.0 mm (0.31 in)



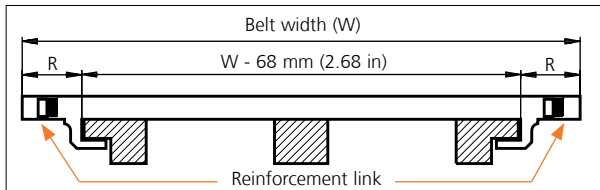
I-Tab



Intermediate tabs (I-Tab) are placed on the bottom side of the belt to hold it down on incline conveyors. The intermediate tabs will fit anywhere across the belt bottom and at pitch multiples of 12.7 mm (0.50 in).



S-Tab



Side tab (S-Tab) for holding the belt down. Normally used for wide belts. With S-Tabs, Ammerral Beltech modular A/S recommend that the radial forces in the curve are transferred by the inside edge of the belt – similar to uni Flex SNB L and uni Flex SNB W.
R = 34.0 mm (1.34 in).

Type	Belt tracking and control combination			
	Wearpart	O-Tab	S-Tab	I-Tab
uni Flex SNB L R2.3	+	+	-	+
uni Flex SNB C R1.6	+	+	-	-
uni Flex SNB CR R2.3	+	+	-	-
uni Flex SNB W R2.3	✓	-	-	+
uni Flex SNB WT R2.3	-	-	✓	+
uni Flex SNB WO R2.3	-	✓	-	+

When using S-Tabs, please verify sufficient clearance to the shaft. Max. shaft diameter = Sprocket pitch diameter - 50.8 mm (2.00 in).

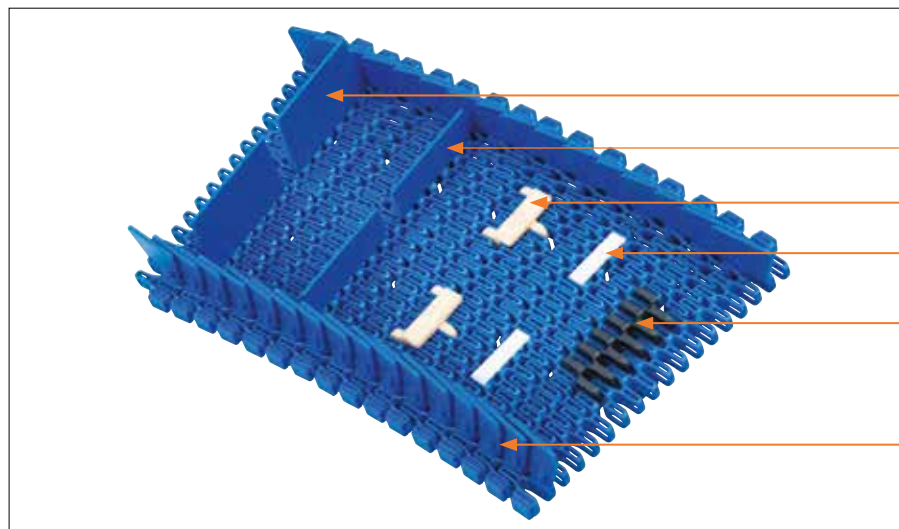
When using square shafts, please verify that the diagonal does not exceed max. diameter.

Example: Sprocket z = 10: Max. shaft diameter 82.2 - 50.8 = \varnothing 31 mm (3.24 - 2.00 = \varnothing 1.2 in).

✓ Standard + Optional

- Unavailable

Accessories



- Click on Flight 50.8 mm (2.00 in)
- Click on Flight 25.4 mm (1.00 in)
- Rubber Support: Made-To-Order
- Click on Flight Low: Made-To-Order
- Rubber Top
- Side Guard

Accessories

Side Guard / Standard

Type	Belt material & color	Height	
		mm	in
Side Guard	PP-I B W	30.0	1.18

Accessories

Flight / Standard

Type	Belt material & color	Link size	Height		Width	
			mm	in	mm	in
Flat	PA6.6 B W	K300	25.4	1.00	75.9	2.99
	PP B W		50.8	2.00	75.9	2.99

Support / MTO

Type	Support material & color	H		Width		Length	
		mm	in	mm	in	mm	in
Rubber Support	01 N	4.0	0.16	43.0	1.69	14.0	0.55
Click on Flight Low	POM-D W	4.0	0.16	42.0	1.65	10.5	0.41

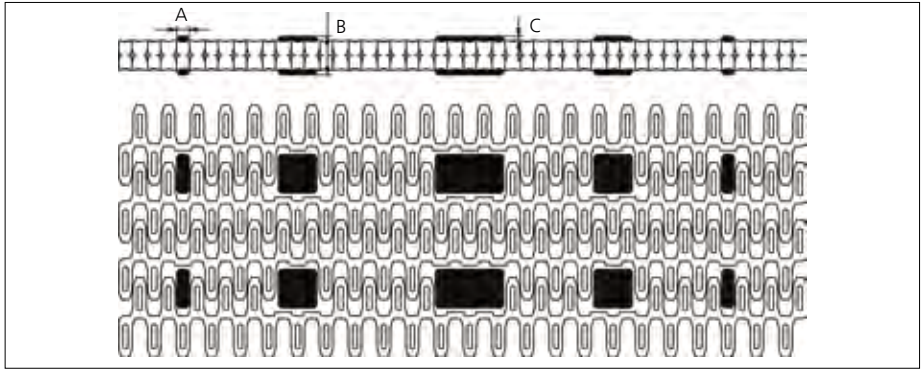
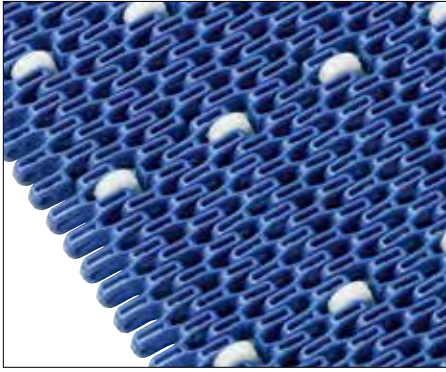
Accessories

Minimum Indents (I)

Type	Rubber Top				Side Guard				Click on Flights without Side Guard				Click on Flights with Side Guard			
	Left		Right		Left		Right		Left		Right		Left		Right	
	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in
uni Flex SNB CR R1.6	26.5	1.04	26.5	1.04	-	-	-	-	-	-	-	-	-	-	-	-
uni Flex SNB L R2.3	-	-	-	-	23.0	0.91	17.0	0.67	10.0	0.39	16.0	0.63	26.0	1.02	32.0	1.26
uni Flex SNB C R2.3	6.5	0.26	6.5	0.26	-	-	-	-	-	-	-	-	-	-	-	-
uni Flex SNB W R2.3	75.9	2.99	75.9	2.99	38.0	1.50	32.0	1.26	38.0	1.50	32.0	1.26	54.0	2.13	48.0	1.89
uni Flex SNB WO R2.3	75.9	2.99	75.9	2.99	38.0	1.50	32.0	1.26	38.0	1.50	32.0	1.26	54.0	2.13	48.0	1.89
uni Flex SNB WT R2.3*	75.9	2.99	75.9	2.99	63.0	2.48	58.0	2.28	38.0	1.50	32.0	1.26	79.0	3.11	74.0	2.91
uni Flex SNB WT R2.3**	75.9	2.99	75.9	2.99	63.0	2.48	58.0	2.28	51.0	2.01	45.0	1.77	79.0	3.11	74.0	2.91

* Even distance between Click on Flight rows
 ** Odd distance between Click on Flight rows

Made-To-Order Selection



uni Flex SNB with Rollers
 ø17 x 5.5 mm (ø0.67 x 0.22 in)

Made-To-Order Materials: POM-D, PP, PA6.6 and Roller Material POM-D.
 Non standard Roller material and color: See uni Material and Color view.

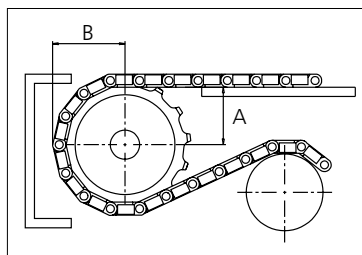
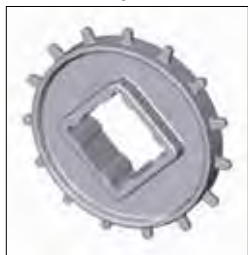
Type	Roller material & color	A		B		C	
		mm	in	mm	in	mm	in
Plastic	POM-D W	5.5	0.22	17.0	0.67	2.0	0.08
		17.0	0.67				
		30.0	1.18				

Sprocket

No. of teeth	Pilot Bore	Bore size												Overall diameter		Pitch diameter		Hub diameter		Dimension A		Dimension B		Single row/Two way	Double row/Two way	Molded	Machined
		in	0.75	0.79	0.98	1.00	1.18	1.25	1.50	1.57	2.36	2.50	3.54														
		mm	19.1	20.0	25.0	25.4	30.0	31.8	38.1	40.0	60.0	63.5	90.0	mm	in	mm	in	mm	in	mm	in						
Z09	x			■	●	●						73.8	2.91	74.3	2.93	56.8	2.24	28.4	1.12	43.5	1.71	x		x			
Z10	x			■	●	●		●				82.2	3.24	82.2	3.24	65.2	2.57	32.6	1.28	47.5	1.87	x		x			
Z12	x				●	●	●	■	●			98.8	3.89	98.1	3.86	70.0	2.76	40.9	1.61	55.5	2.19	x		x			
Z15	x				●	●	●	■	●	●		123.5	4.86	122.2	4.81	70.0	2.76	53.2	2.09	67.5	2.66	x		x			
Z18	x					●	●	●	■	●	●	148.1	5.83	146.3	5.76	70.0	2.76	65.5	2.58	79.6	3.13	x		x			
Z19	x					●	●	●	■	●	●	156.2	6.15	154.3	6.07	70.0	2.76	69.6	2.74	83.6	3.29	x		x			

■ Molded sprocket

● Molded sprocket



Non standard material and color: See uni Material and Color Overview.

Other sprocket sizes are available upon request
 Two-part sprocket are available upon request
 Other bore sizes are available upon request
 uni Retainer Rings: See uni Retainer Ring data sheet
 Width of tooth = 4.0 mm (0.16 in)
 Width of sprocket = 30.0 mm (1.18 in)

Max. load per sprocket shown does not take bore size into account.
 Please also ensure that sufficient size shaft is chosen for corresponding load.
 For correct sprocket position: See uni Assembly Instructions for uni Flex ASB.
 For more detailed sprocket information, contact Customer Service.



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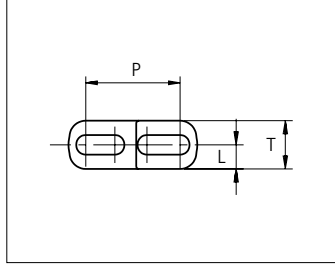
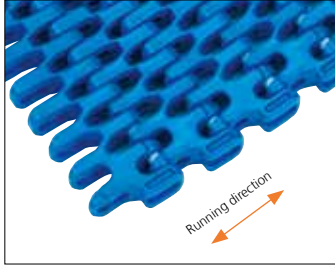
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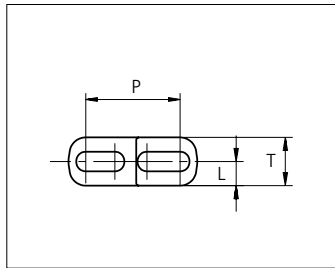
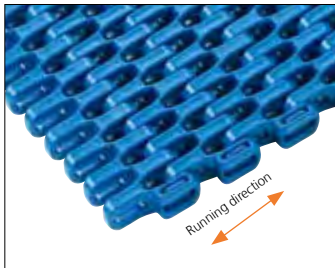
Plastic Modular Belt

Series uni Flex SNB

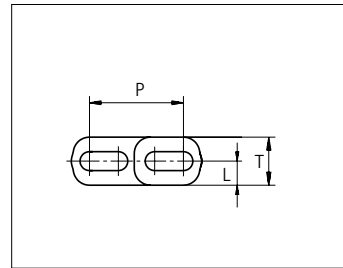
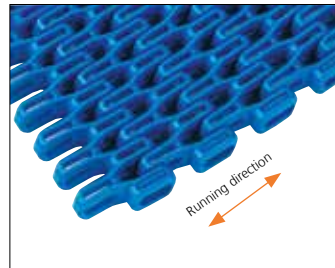


Sideflexing belt
 Nominal pitch: 25.4 mm (1.00 in)
 Surface type: Flat
 Surface opening: 47%/55%
 Backflex radius: 25.0 mm (0.98 in)
 Pin diameter: 5.0 mm (0.20 in)
 Min. inside radius: R1.6 x belt width, R2.3 x belt width

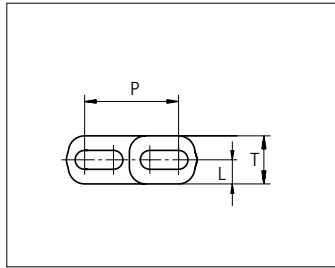
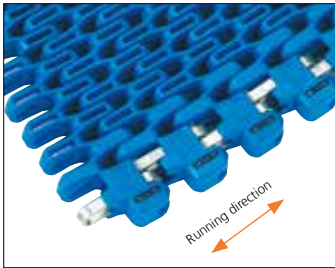
uni Flex SNB CR R1.6
 Surface Opening: 47%



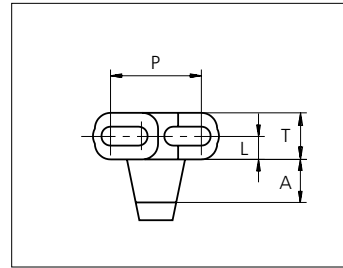
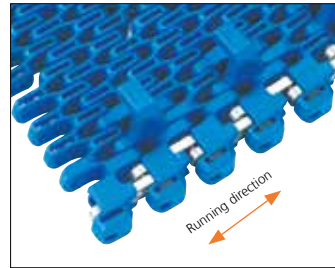
uni Flex SNB C R2.3
 Surface Opening: 47%



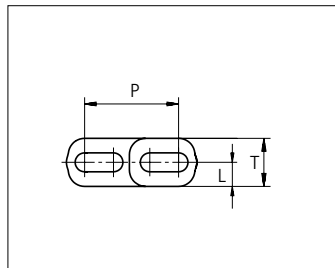
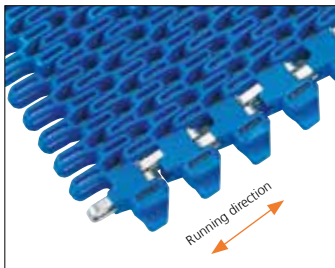
uni Flex SNB L R2.3
 Surface Opening: 55%



uni Flex SNB W R2.3
 Surface Opening: 55%



uni Flex SNB WT R2.3
 Surface Opening: 55%

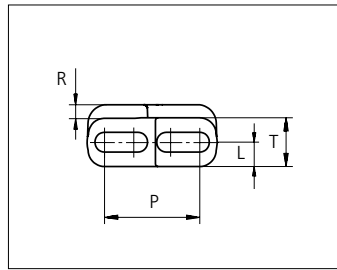
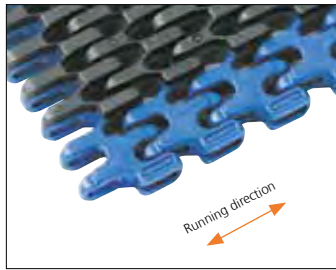


uni Flex SNB WO R2.3
 Surface Opening: 55%

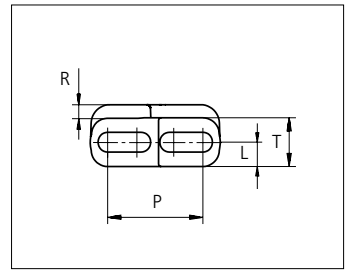
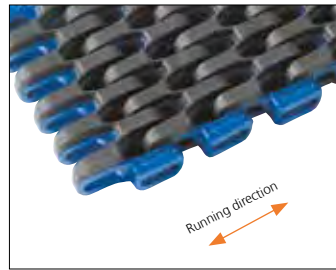
	mm	in		mm	in
P (Nominal)	25.4	1.00	L	6.5	0.26
A	12.0	0.47	T	13.0	0.51

STANDARD
 SIDE FLEXING
 PITCH 25.4 MM/1.00 IN

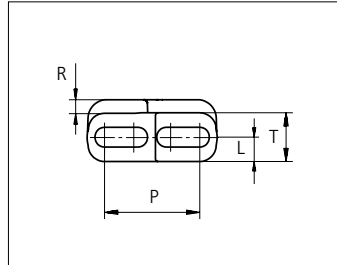
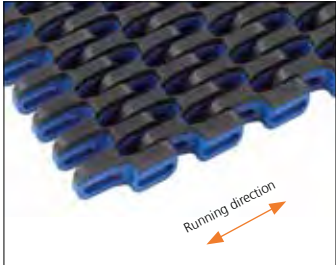




uni Flex SNB CR Rubber Top R1.6
Surface Opening: 47%



uni Flex SNB CI Rubber Top R2.3
Surface Opening: 47%



uni Flex SNB C Rubber Top R2.3
Surface Opening: 47%

	mm	in		mm	in
P (Nominal)	25.4	1.00	R	3.0	0.12
L	6.5	0.26	T	13.0	0.51

Indent uni Flex SNB CR Rubber Top R1.6 is 26.5 mm (1.04 in). uni Flex SNB CI Rubber Top R2.3 is 7.0 mm (0.28 in). uni Flex SNB C Rubber Top R2.3 is available without indent.

Type	Belt materials and colors	Pin materials and colors
uni Flex SNB CR R1.6 uni Flex SNB C R2.3 uni Flex SNB L R2.3*	POM-D B W PP B W PA6.6 B W	PBT LG
uni Flex SNB C R2.3	POM-D B W	SS304
uni Flex SNB W	PP B W	
uni Flex SNB WO	PA6.6 B W	
uni Flex SNB WT	PA6.6 B W	SS304 PBT LG
uni Flex SNB CR Rubber Top R1.6 uni Flex SNB CI Rubber Top R2.3 uni Flex SNB CI Rubber Top R2.3	PP B W + 03 K PP B W + 03 N	PBT LG

Standard materials and colors

Lockingplates PP **W B**

Wearpart and O-Tab PA6.6 **W B**

For high speed or load abrasive applications:

Wearpart and O-Tab POM-DK **N**

Non standard material and color: See uni Material and Color Overview.

Alternative pin materials: PA6.6 **B N**

uni Flex SNB CR R1.6

Belt width		Permissible tensile force (Belt/pin material)												Belt weight (Belt/pin material)						*Min No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-D/PBT				PP/PBT				PA6.6/PBT				POM-D /PBT		PP/PBT		PA6.6/PBT			**Carry (pcs)	**Return (pcs)
		Straight sections		Curve sections		Straight sections		Curve sections		Straight sections		Curve sections										
mm	in	N	lbf	N	lbf	N	lbf	N	lbf	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft	kg/m	lb/ft			
76	3.0	2280	513	600	135	1140	256	600	135	2280	513	600	135	0.6	0.39	0.4	0.28	0.5	0.33	2	2	2
152	6.0	4561	1025	600	135	2281	513	600	135	4561	1025	600	135	1.2	0.79	0.8	0.55	1.0	0.65	2	2	2
228	9.0	6842	1538	600	135	3421	769	600	135	6842	1538	600	135	1.8	1.18	1.2	0.83	1.5	0.98	2	2	2
304	12.0	9124	2051	600	135	4562	1025	600	135	9124	2051	600	135	2.3	1.57	1.6	1.10	1.9	1.31	3	3	2
380	15.0	11405	2564	600	135	5702	1282	600	135	11405	2564	600	135	2.9	1.97	2.1	1.38	2.4	1.64	3	3	2
456	18.0	13686	3077	600	135	6843	1538	600	135	13686	3077	600	135	3.5	2.36	2.5	1.66	2.9	1.96	5	4	2
532	21.0	15967	3589	600	135	7984	1795	600	135	15967	3589	600	135	4.1	2.75	2.9	1.93	3.4	2.29	5	4	2
608	23.9	18248	4102	600	135	9124	2051	600	135	18248	4102	600	135	4.7	3.15	3.3	2.21	3.9	2.62	5	5	3
684	26.9	20530	4615	600	135	10265	2308	600	135	20530	4615	600	135	5.3	3.54	3.7	2.48	4.4	2.94	5	5	3
760	29.9	22811	5128	600	135	11405	2564	600	135	22811	5128	600	135	5.9	3.93	4.1	2.76	4.9	3.27	7	6	3
836	32.9	25092	5641	600	135	12546	2820	600	135	25092	5641	600	135	6.4	4.33	4.5	3.04	5.4	3.60	7	6	3
912	35.9	27373	6153	600	135	13687	3077	600	135	27373	6153	600	135	7.0	4.72	4.9	3.31	5.8	3.92	7	7	4
988	38.9	29654	6666	600	135	14827	3333	600	135	29654	6666	600	135	7.6	5.12	5.3	3.59	6.3	4.25	7	7	4

Additional standard belt widths are available in steps of 76.0 mm (2.99 in) Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in)

1597	62.9	47910	10770	600	135	23955	5385	600	135	47910	10770	600	135	12.3	8.26	8.6	5.80	10.2	6.87	11	11	6
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Additional standard belt widths are available in steps of 76.0 mm (2.99 in) Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in)

1977	77.8	59310	13333	600	135	29655	6666	600	135	59310	13333	600	135	15.2	10.23	10.7	7.17	12.7	8.50	15	14	7
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General belt tolerance is +0/-0.4% at 23°C/73°F. For exact belt width contact Customer Service. Non standard belt width on request.

Flex SNB-CR locked with wearpart or O-tabs both sides are 6 mm wider than the dimensions in the table above.

*Max. Load per Drive Sprocket. Belt material: POM-D 1000 N (225 lbf), PP 850 N (191 lbf), PA6.6 1000 N (225 lbf)

**Max. Spacing between wear strips, Carry: 152 mm (6 in); Return: 304 mm (12 in)

uni Flex SNB C R2.3 / uni Flex SNB L R2.3

Belt width		Permissible tensile force (Belt/pin material)												Belt weight (Belt/pin material)						*Min No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-D/PBT				PP/PBT				PA6.6/PBT				PP/PBT		PA6.6/PBT		**Carry (pcs)	**Return (pcs)			
		Straight sections		Curve sections		Straight sections		Curve sections		Straight sections		Curve sections										
mm	in	N	lbf	N	lbf	N	lbf	N	lbf	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft	kg/m	lb/ft			
76	3.0	2280	513	1000	225	1140	256	600	135	2280	513	1000	225	0.5	0.35	0.4	0.25	0.4	0.30	2	2	2
152	6.0	4561	1025	1000	225	2281	513	600	135	4561	1025	1000	225	1.0	0.71	0.7	0.49	0.9	0.59	2	2	2
228	9.0	6842	1538	1000	225	3421	769	600	135	6842	1538	1000	225	1.6	1.06	1.1	0.74	1.3	0.89	2	2	2
304	12.0	9124	2051	1000	225	4562	1025	600	135	9124	2051	1000	225	2.1	1.41	1.5	0.98	1.8	1.19	3	3	2
380	15.0	11405	2564	1000	225	5702	1282	600	135	11405	2564	1000	225	2.6	1.76	1.8	1.23	2.2	1.48	3	3	2
456	18.0	13686	3077	1000	225	6843	1538	600	135	13686	3077	1000	225	3.1	2.12	2.2	1.47	2.6	1.78	5	4	2
532	21.0	15967	3589	1000	225	7984	1795	600	135	15967	3589	1000	225	3.7	2.47	2.6	1.72	3.1	2.07	5	4	2
608	23.9	18248	4102	1000	225	9124	2051	600	135	18248	4102	1000	225	4.2	2.82	2.9	1.96	3.5	2.37	5	5	3
684	26.9	20530	4615	1000	225	10265	2308	600	135	20530	4615	1000	225	4.7	3.17	3.3	2.21	4.0	2.67	5	5	3
760	29.9	22811	5128	1000	225	11405	2564	600	135	22811	5128	1000	225	5.2	3.53	3.6	2.45	4.4	2.96	7	6	3
836	32.9	25092	5641	1000	225	12546	2820	600	135	25092	5641	1000	225	5.8	3.88	4.0	2.70	4.9	3.26	7	6	3
912	35.9	27373	6153	1000	225	13687	3077	600	135	27373	6153	1000	225	6.3	4.23	4.4	2.94	5.3	3.56	7	7	4
988	38.9	29654	6666	1000	225	14827	3333	600	135	29654	6666	1000	225	6.8	4.58	4.7	3.19	5.7	3.85	7	7	4

Additional standard belt widths are available in steps of 76.0 mm (2.99 in) Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in)

1597	62.9	47910	10770	1000	225	23955	5385	600	135	47910	10770	1000	225	11.0	7.41	7.7	5.15	9.3	6.22	11	11	6
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Additional standard belt widths are available in steps of 76.0 mm (2.99 in) Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in)

1977	77.8	59310	13333	1000	225	29655	6666	600	135	59310	13333	1000	225	13.6	9.17	9.5	6.38	11.5	7.71	15	14	7
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General belt tolerance is +0/-0.4% at 23°C/73°F. For exact belt width contact Customer Service. Non standard belt width on request.

Flex SNB-L locked with wearpart or O-tabs both sides are 6 mm wider than the dimensions in the table above.

*Max. Load per Drive Sprocket. Belt material: POM-D 1000 N (225 lbf), PP 850 N (191 lbf), PA6.6 1000 N (225 lbf)

**Max. Spacing between wear strips, Carry: 152 mm (6 in); Return: 304 mm (12 in)

uni Flex SNB W R2.3 / uni Flex SNB WO R2.3

Belt width		Permissible tensile force (Belt/pin material)												Belt weight (Belt/pin material)						*Min No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-D/SS +Reinforcement links				POM-D/SS +Reinforcement links				POM-D/SS +Reinforcement links				SS+ Reinforcement links		SS+ Reinforcement links		SS+ Reinforcement links			**Carry (pcs)	**Return (pcs)
		Straight sections		Curve sections		Straight sections		Curve sections		Straight sections		Curve sections		kg/m lb/ft		kg/m lb/ft		kg/m lb/ft				
mm	in	N	lbf	N	lbf	N	lbf	N	lbf	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft	kg/m	lb/ft			
82	3.2	2460	553	3300	742	1230	277	3300	742	2460	553	3300	742	1.0	0.67	0.8	0.55	0.9	0.61	2	2	2
158	6.2	4741	1066	3300	742	2371	533	3300	742	4741	1066	3300	742	1.9	1.29	1.6	1.06	1.7	1.17	2	2	2
234	9.2	7022	1579	3300	742	3511	789	3300	742	7022	1579	3300	742	2.8	1.90	2.3	1.57	2.6	1.73	2	2	2
310	12.2	9304	2091	3300	742	4652	1046	3300	742	9304	2091	3300	742	3.8	2.52	3.1	2.08	3.4	2.29	3	3	2
386	15.2	11585	2604	3300	742	5792	1302	3300	742	11585	2604	3300	742	4.7	3.14	3.9	2.60	4.2	2.85	3	3	2
462	18.2	13866	3117	3300	742	6933	1559	3300	742	13866	3117	3300	742	5.6	3.76	4.6	3.11	5.1	3.42	5	4	2
538	21.2	16147	3630	3300	742	8074	1815	3300	742	16147	3630	3300	742	6.5	4.38	5.4	3.62	5.9	3.98	5	4	2
614	24.2	18428	4143	3300	742	9214	2071	3300	742	18428	4143	3300	742	7.4	5.00	6.1	4.13	6.8	4.54	5	5	3
690	27.2	20710	4656	3300	742	10355	2328	3300	742	20710	4656	3300	742	8.4	5.61	6.9	4.64	7.6	5.10	5	5	3
766	30.2	22991	5168	3300	742	11495	2584	3300	742	22991	5168	3300	742	9.3	6.23	7.7	5.15	8.4	5.67	7	6	3
842	33.2	25272	5681	3300	742	12636	2841	3300	742	25272	5681	3300	742	10.2	6.85	8.4	5.66	9.3	6.23	7	6	3
918	36.2	27553	6194	3300	742	13777	3097	3300	742	27553	6194	3300	742	11.1	7.47	9.2	6.17	10.1	6.79	7	7	4
994	39.2	29834	6707	3300	742	14917	3353	3300	742	29834	6707	3300	742	12.0	8.09	9.9	6.68	10.9	7.35	7	7	4
Additional standard belt widths are available in steps of 76.0 mm (2.99 in) Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in)																						
1603	63.1	48090	10811	3300	742	24045	5405	3300	742	48090	10811	3300	742	19.4	13.04	16.0	10.77	17.6	11.85	11	11	6
Additional standard belt widths are available in steps of 76.0 mm (2.99 in) Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in)																						
1983	78.1	59490	13373	3300	742	29745	6687	3300	742	59490	13373	3300	742	24.0	16.13	19.8	13.33	21.8	14.66	15	14	7

General belt tolerance is +0/-0.4% at 23°C/73°F. For exact belt width contact Customer Service. Non standard belt width on request.

Outer modules are always in PA6.6 on belts wider than 234 mm (9.21 in).

Belts up to 234 mm (9.21 in) in width is only available in PA6.6.

*Max. Load per Drive Sprocket. Belt material: POM-D 1000 N (225 lbf), PP 850 N (191 lbf), PA6.6 1000 N (225 lbf).

**Max. Spacing between wear strips, Carry: 152 mm (6 in); Return: 304 mm (12 in).

uni Flex SNB WT R2.3 – PBT pins

Belt width		Permissible tensile force (Belt/pin material)												Belt weight (Belt/pin material)						*Min No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-D/PBT				PP/PBT				PA6.6/PBT				POM-D/PBT		PP/PBT		PA6.6/PBT			**Carry (pcs)	**Return (pcs)
		Straight sections		Curve sections		Straight sections		Curve sections		Straight sections		Curve sections		kg/m lb/ft		kg/m lb/ft		kg/m lb/ft				
mm	in	N	lbf	N	lbf	N	lbf	N	lbf	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft	kg/m	lb/ft			
82	3.2	2460	553	1000	225	1230	277	1000	225	2460	553	1000	225	0.6	0.38	0.4	0.26	0.5	0.32	2	2	2
158	6.2	4741	1066	1000	225	2371	533	1000	225	4741	1066	1000	225	1.1	0.73	0.8	0.51	0.9	0.62	2	2	2
234	9.2	7022	1579	1000	225	3511	789	1000	225	7022	1579	1000	225	1.6	1.09	1.1	0.76	1.4	0.91	2	2	2
310	12.2	9304	2091	1000	225	4652	1046	1000	225	9304	2091	1000	225	2.1	1.44	1.5	1.00	1.8	1.21	3	3	2
386	15.2	11585	2604	1000	225	5792	1302	1000	225	11585	2604	1000	225	2.7	1.79	1.9	1.25	2.2	1.51	3	3	2
462	18.2	13866	3117	1000	225	6933	1559	1000	225	13866	3117	1000	225	3.2	2.14	2.2	1.49	2.7	1.80	5	4	2
538	21.2	16147	3630	1000	225	8074	1815	1000	225	16147	3630	1000	225	3.7	2.50	2.6	1.74	3.1	2.10	5	4	2
614	24.2	18428	4143	1000	225	9214	2071	1000	225	18428	4143	1000	225	4.2	2.85	2.9	1.98	3.6	2.39	5	5	3
690	27.2	20710	4656	1000	225	10355	2328	1000	225	20710	4656	1000	225	4.8	3.20	3.3	2.23	4.0	2.69	5	5	3
766	30.2	22991	5168	1000	225	11495	2584	1000	225	22991	5168	1000	225	5.3	3.55	3.7	2.47	4.4	2.99	7	6	3
842	33.2	25272	5681	1000	225	12636	2841	1000	225	25272	5681	1000	225	5.8	3.91	4.0	2.72	4.9	3.28	7	6	3
918	36.2	27553	6194	1000	225	13777	3097	1000	225	27553	6194	1000	225	6.3	4.26	4.4	2.96	5.3	3.58	7	7	4
994	39.2	29834	6707	1000	225	14917	3353	1000	225	29834	6707	1000	225	6.9	4.61	4.8	3.21	5.8	3.88	7	7	4
Additional standard belt widths are available in steps of 76.0 mm (2.99 in) Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in)																						
1603	63.1	48090	10811	1000	225	24045	5405	1000	225	48090	10811	1000	225	11.1	7.43	7.7	5.17	9.3	6.25	11	11	6
Additional standard belt widths are available in steps of 76.0 mm (2.99 in) Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in)																						
1983	78.1	59490	13373	1000	225	29745	6687	1000	225	59490	13373	1000	225	13.7	9.20	9.5	6.40	11.5	7.73	15	14	7

General belt tolerance is +0/-0.4% at 23°C/73°F. For exact belt width contact Customer Service. Non standard belt width on request.

Outer modules are always in PA6.6 on belts wider than 234 mm (9.21 in).

Belts up to 234 mm (9.21 in) in width is only available in PA6.6.

*Max. Load per Drive Sprocket. Belt material: POM-D 1000 N (225 lbf), PP 850 N (191 lbf), PA6.6 1000 N (225 lbf).

**Max. Spacing between wear strips, Carry: 152 mm (6 in); Return: 304 mm (12 in).

uni Flex SNB WT R2.3 – SS pins

Belt width		Permissible tensile force (Belt/pin material)												Belt weight (Belt/pin material)						*Min No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-D/SS +Reinforcement links				PP/SS +Reinforcement links				PA6.6/SS +Reinforcement links				SS+ Rein- forcement links		SS+ Rein- forcement links		SS+ Rein- forcement links			**Carry (pcs)	**Return (pcs)
		Straight sections		Curve sections		Straight sections		Curve sections		Straight sections		Curve sections		kg/m	lb/ft	kg/m	lb/ft	kg/m	lb/ft			
mm	in	N	lbf	N	lbf	N	lbf	N	lbf	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft	kg/m	lb/ft			
82	3.2	2460	553	3300	742	1230	277	3300	742	2460	553	3300	742	1.0	0.67	0.8	0.55	0.9	0.61	2	2	2
158	6.2	4741	1066	3300	742	2371	533	3300	742	4741	1066	3300	742	1.9	1.29	1.6	1.06	1.7	1.17	2	2	2
234	9.2	7022	1579	3300	742	3511	789	3300	742	7022	1579	3300	742	2.8	1.90	2.3	1.57	2.6	1.73	2	2	2
310	12.2	9304	2091	3300	742	4652	1046	3300	742	9304	2091	3300	742	3.8	2.52	3.1	2.08	3.4	2.29	3	3	2
386	15.2	11585	2604	3300	742	5792	1302	3300	742	11585	2604	3300	742	4.7	3.14	3.9	2.60	4.2	2.85	3	3	2
462	18.2	13866	3117	3300	742	6933	1559	3300	742	13866	3117	3300	742	5.6	3.76	4.6	3.11	5.1	3.42	5	4	2
538	21.2	16147	3630	3300	742	8074	1815	3300	742	16147	3630	3300	742	6.5	4.38	5.4	3.62	5.9	3.98	5	4	2
614	24.2	18428	4143	3300	742	9214	2071	3300	742	18428	4143	3300	742	7.4	5.00	6.1	4.13	6.8	4.54	5	5	3
690	27.2	20710	4656	3300	742	10355	2328	3300	742	20710	4656	3300	742	8.4	5.61	6.9	4.64	7.6	5.10	5	5	3
766	30.2	22991	5168	3300	742	11495	2584	3300	742	22991	5168	3300	742	9.3	6.23	7.7	5.15	8.4	5.67	7	6	3
842	33.2	25272	5681	3300	742	12636	2841	3300	742	25272	5681	3300	742	10.2	6.85	8.4	5.66	9.3	6.23	7	6	3
918	36.2	27553	6194	3300	742	13777	3097	3300	742	27553	6194	3300	742	11.1	7.47	9.2	6.17	10.1	6.79	7	7	4
994	39.2	29834	6707	3300	742	14917	3353	3300	742	29834	6707	3300	742	12.0	8.09	9.9	6.68	10.9	7.35	7	7	4

Additional standard belt widths are available in steps of 76.0 mm (2.99 in) Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in).

1603	63.1	48090	10811	3300	742	24045	5405	3300	742	48090	10811	3300	742	19.4	13.04	16.0	10.77	17.6	11.85	11	11	6
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Additional standard belt widths are available in steps of 76.0 mm (2.99 in) Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in).

1983	78.1	59490	13373	3300	742	29745	6687	3300	742	59490	13373	3300	742	24.0	16.13	19.8	13.33	21.8	14.66	15	14	7
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General belt tolerance is +0/-0.4% at 23°C/73°F. For exact belt width contact Customer Service. Non standard belt width on request.

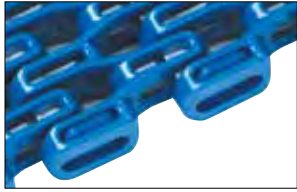
Outer modules are always in PA6.6 on belts wider than 234 mm (9.21 in).

Belts up to 234 mm (9.21 in) in width is only available in PA6.6.

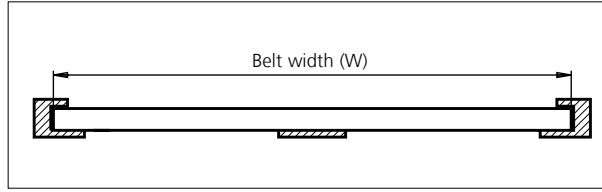
*Max. Load per Drive Sprocket. Belt material: POM-D 1000 N (225 lbf), PP 850 N (191 lbf), PA6.6 1000 N (225 lbf).

**Max. Spacing between wear strips, Carry: 152 mm (6 in); Return: 304 mm (12 in).

Belt Tracking and Control Systems



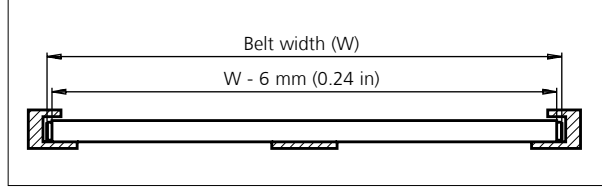
uni Flex SNB L R2.3
Standard



Basic belt types can be combined with the belt tracking and control systems below to enhance performance. Basic belt types can be combined with the belt tracking and control systems below to enhance performance.



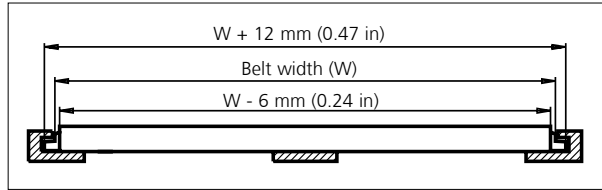
Wearpart



Wearpart system made of heat and wear resistant nylon to reduce the friction between belt edge and wearstrip. Only this part needs to be replaced when it has been worn out, not the entire belt.



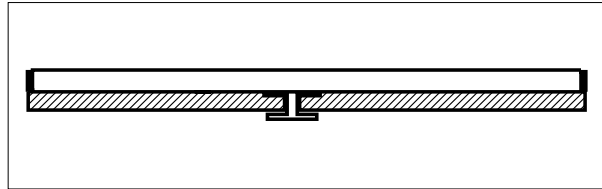
O-Tab



Outer edge tab system made of heat and wear resistant nylon to reduce the friction between belt edge and wearstrip. Using a slotted wear-strip, the O-Tab will track the belt and allow the conveyed products to be wider than the belt.
Height of O-Tab: 6.4 mm (0.25 in)
Height of slot: 8.0 mm (0.31 in)



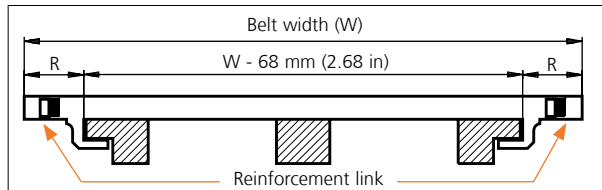
I-Tab



Intermediate tabs (I-Tab) are placed on the bottom side of the belt to hold it down on incline conveyors. The intermediate tabs will fit anywhere across the belt bottom and at pitch multiples of 12.7 mm (0.50 in).



S-Tab



Side tab (S-Tab) for holding the belt down. Normally used for wide belts. With S-Tabs, Ammerral Beltech modular A/S recommend that the radial forces in the curve are transferred by the inside edge of the belt – similar to uni Flex SNB L and uni Flex SNB W.
R = 34.0 mm (1.34 in).

Type	Belt tracking and control combination			
	Wearpart	O-Tab	S-Tab	I-Tab
uni Flex SNB L R2.3	+	+	-	+
uni Flex SNB C R1.6	+	+	-	-
uni Flex SNB CR R2.3	+	+	-	-
uni Flex SNB W R2.3	✓	-	-	+
uni Flex SNB WT R2.3	-	-	✓	+
uni Flex SNB WO R2.3	-	✓	-	+

When using S-Tabs, please verify sufficient clearance to the shaft. Max. shaft diameter = Sprocket pitch diameter - 50.8 mm (2.00 in).

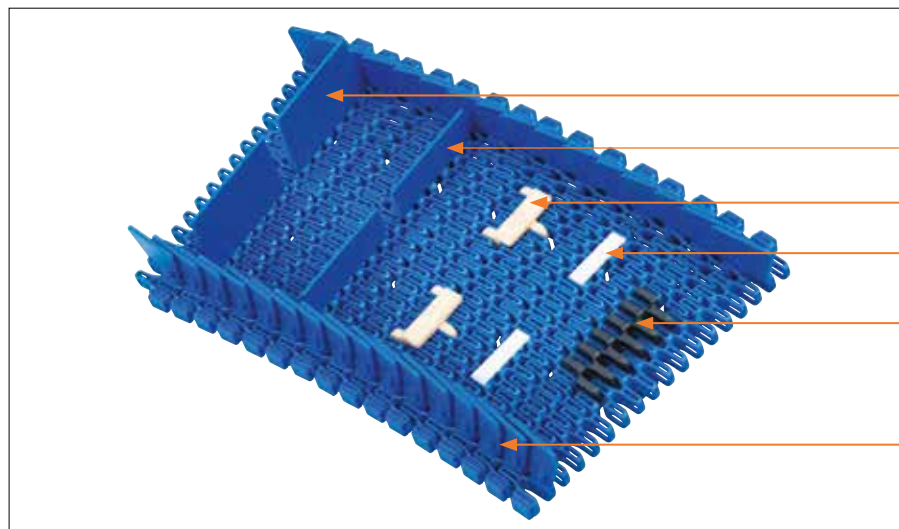
When using square shafts, please verify that the diagonal does not exceed max. diameter.

Example: Sprocket z = 10: Max. shaft diameter 82.2 - 50.8 = ø31 mm (3.24 - 2.00 = ø1.2 in).

✓ Standard + Optional

- Unavailable

Accessories



- Click on Flight 50.8 mm (2.00 in)
- Click on Flight 25.4 mm (1.00 in)
- Rubber Support: Made-To-Order
- Click on Flight Low: Made-To-Order
- Rubber Top
- Side Guard

Accessories

Side Guard / Standard

Type	Belt material & color	Height	
		mm	in
Side Guard	PP-I B W	30.0	1.18

Accessories

Flight / Standard

Type	Belt material & color	Link size	Height		Width	
			mm	in	mm	in
Flat	PA6.6 B W	K300	25.4	1.00	75.9	2.99
	PP B W		50.8	2.00	75.9	2.99

Support / MTO

Type	Support material & color	H		Width		Length	
		mm	in	mm	in	mm	in
Rubber Support	01 N	4.0	0.16	43.0	1.69	14.0	0.55
Click on Flight Low	POM-D W	4.0	0.16	42.0	1.65	10.5	0.41

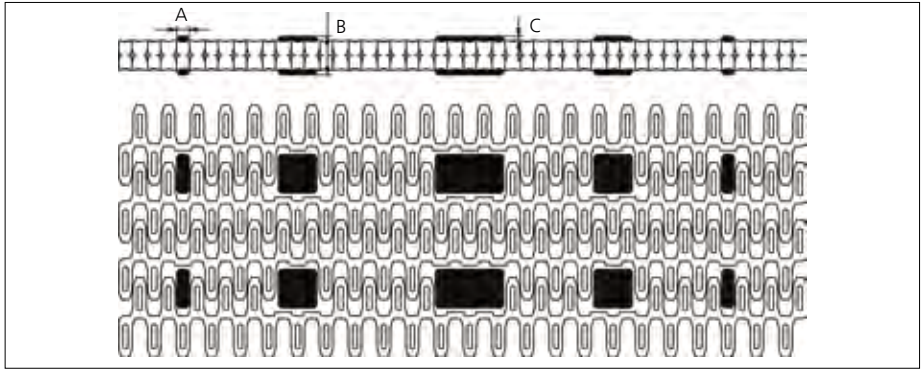
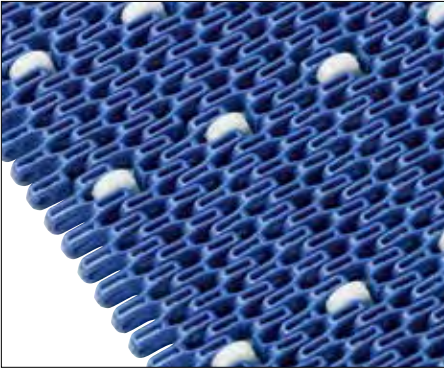
Accessories

Minimum Indents (I)

Type	Rubber Top				Side Guard				Click on Flights without Side Guard				Click on Flights with Side Guard			
	Left		Right		Left		Right		Left		Right		Left		Right	
	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in
uni Flex SNB CR R1.6	26.5	1.04	26.5	1.04	-	-	-	-	-	-	-	-	-	-	-	-
uni Flex SNB L R2.3	-	-	-	-	23.0	0.91	17.0	0.67	10.0	0.39	16.0	0.63	26.0	1.02	32.0	1.26
uni Flex SNB C R2.3	6.5	0.26	6.5	0.26	-	-	-	-	-	-	-	-	-	-	-	-
uni Flex SNB W R2.3	75.9	2.99	75.9	2.99	38.0	1.50	32.0	1.26	38.0	1.50	32.0	1.26	54.0	2.13	48.0	1.89
uni Flex SNB WO R2.3	75.9	2.99	75.9	2.99	38.0	1.50	32.0	1.26	38.0	1.50	32.0	1.26	54.0	2.13	48.0	1.89
uni Flex SNB WT R2.3*	75.9	2.99	75.9	2.99	63.0	2.48	58.0	2.28	38.0	1.50	32.0	1.26	79.0	3.11	74.0	2.91
uni Flex SNB WT R2.3**	75.9	2.99	75.9	2.99	63.0	2.48	58.0	2.28	51.0	2.01	45.0	1.77	79.0	3.11	74.0	2.91

* Even distance between Click on Flight rows
 ** Odd distance between Click on Flight rows

Made-To-Order Selection



uni Flex SNB with Rollers
 ø17 x 5.5 mm (ø0.67 x 0.22 in)

Made-To-Order Materials: POM-D, PP, PA6.6 and Roller Material POM-D.
 Non standard Roller material and color: See uni Material and Color view.

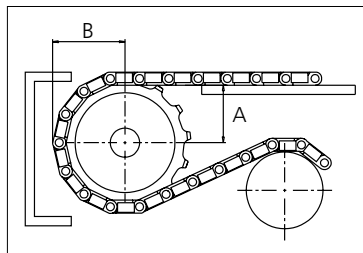
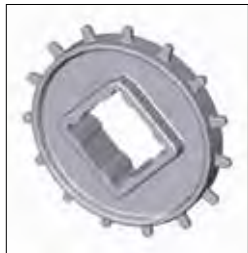
Type	Roller material & color	A		B		C	
		mm	in	mm	in	mm	in
Plastic	POM-D W	5.5	0.22	17.0	0.67	2.0	0.08
		17.0	0.67				
		30.0	1.18				

Sprocket

No. of teeth	Pilot Bore	Bore size												Overall diameter		Pitch diameter		Hub diameter		Dimension A		Dimension B		Single row/Two way	Double row/Two way	Molded	Machined
		in	0.75	0.79	0.98	1.00	1.18	1.25	1.50	1.57	2.36	2.50	3.54														
		mm	19.1	20.0	25.0	25.4	30.0	31.8	38.1	40.0	60.0	63.5	90.0	mm	in	mm	in	mm	in	mm	in	PAG LG	PAG N				
Z09	x			■	●	●						73.8	2.91	74.3	2.93	56.8	2.24	28.4	1.12	43.5	1.71	x		x			
Z10	x			■	●	●		●				82.2	3.24	82.2	3.24	65.2	2.57	32.6	1.28	47.5	1.87	x		x			
Z12	x				●	●	●	■	●			98.8	3.89	98.1	3.86	70.0	2.76	40.9	1.61	55.5	2.19	x		x			
Z15	x				●	●	●	■	●	●		123.5	4.86	122.2	4.81	70.0	2.76	53.2	2.09	67.5	2.66	x		x			
Z18	x					●	●	●	■	●		148.1	5.83	146.3	5.76	70.0	2.76	65.5	2.58	79.6	3.13	x		x			
Z19	x					●	●	●	■	●		156.2	6.15	154.3	6.07	70.0	2.76	69.6	2.74	83.6	3.29	x		x			

■ Molded sprocket

● Molded sprocket



Non standard material and color: See uni Material and Color Overview.

Other sprocket sizes are available upon request
 Two-part sprocket are available upon request
 Other bore sizes are available upon request
 uni Retainer Rings: See uni Retainer Ring data sheet
 Width of tooth = 4.0 mm (0.16 in)
 Width of sprocket = 30.0 mm (1.18 in)

Max. load per sprocket shown does not take bore size into account.
 Please also ensure that sufficient size shaft is chosen for corresponding load.
 For correct sprocket position: See uni Assembly Instructions for uni Flex ASB.
 For more detailed sprocket information, contact Customer Service.



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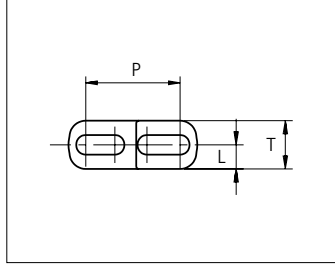
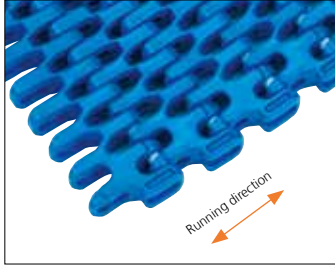
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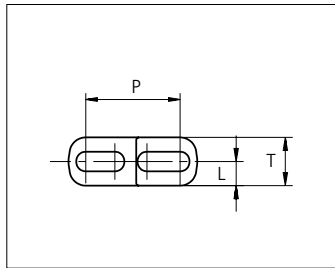
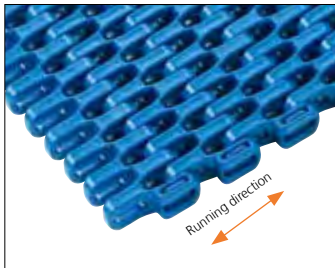
Plastic Modular Belt

Series uni Flex SNB

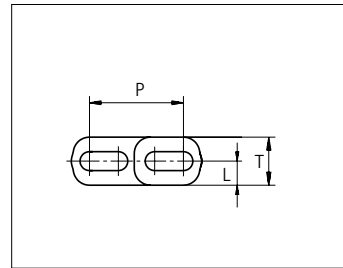
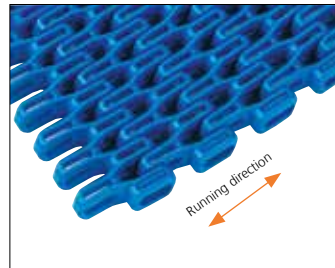


Sideflexing belt
 Nominal pitch: 25.4 mm (1.00 in)
 Surface type: Flat
 Surface opening: 47%/55%
 Backflex radius: 25.0 mm (0.98 in)
 Pin diameter: 5.0 mm (0.20 in)
 Min. inside radius: R1.6 x belt width, R2.3 x belt width

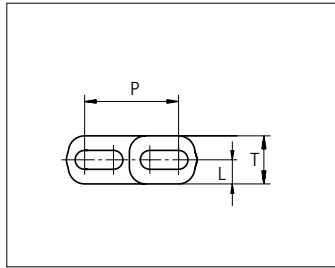
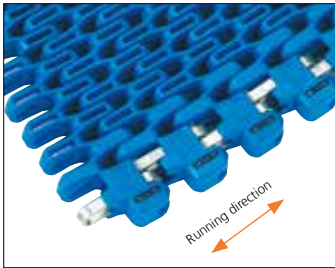
uni Flex SNB CR R1.6
 Surface Opening: 47%



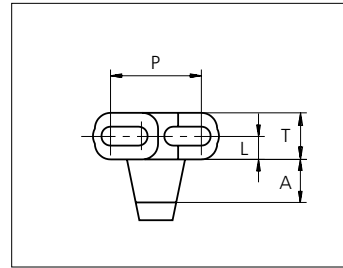
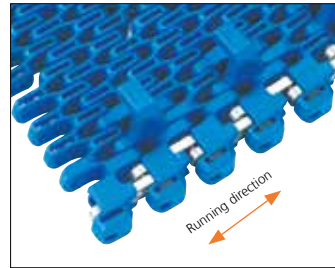
uni Flex SNB C R2.3
 Surface Opening: 47%



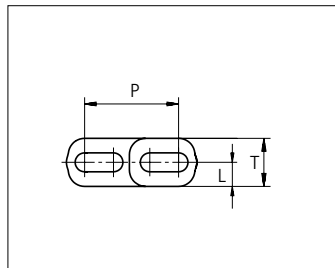
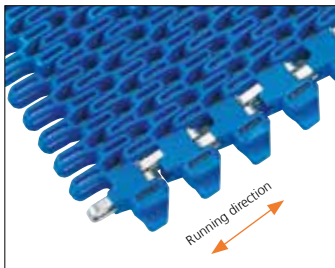
uni Flex SNB L R2.3
 Surface Opening: 55%



uni Flex SNB W R2.3
 Surface Opening: 55%



uni Flex SNB WT R2.3
 Surface Opening: 55%

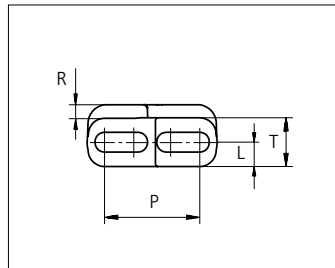
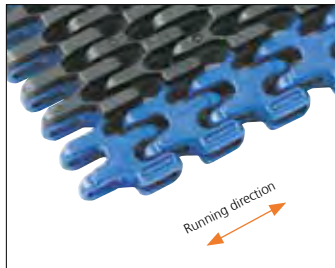


uni Flex SNB WO R2.3
 Surface Opening: 55%

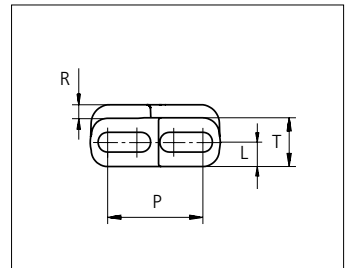
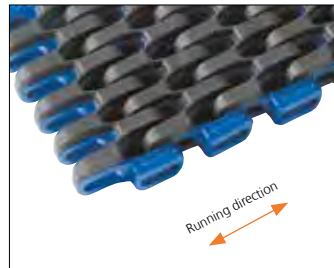
	mm	in		mm	in
P (Nominal)	25.4	1.00	L	6.5	0.26
A	12.0	0.47	T	13.0	0.51

STANDARD
 SIDE FLEXING
 PITCH 25.4 MM/1.00 IN

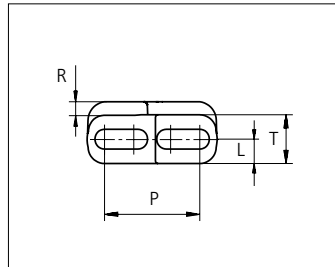
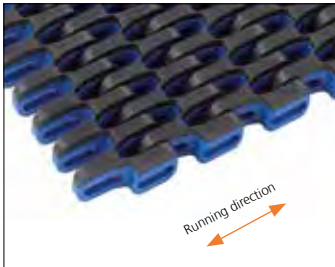




uni Flex SNB CR Rubber Top R1.6
Surface Opening: 47%



uni Flex SNB CI Rubber Top R2.3
Surface Opening: 47%



uni Flex SNB C Rubber Top R2.3
Surface Opening: 47%

	mm	in		mm	in
P (Nominal)	25.4	1.00	R	3.0	0.12
L	6.5	0.26	T	13.0	0.51

Indent uni Flex SNB CR Rubber Top R1.6 is 26.5 mm (1.04 in). uni Flex SNB CI Rubber Top R2.3 is 7.0 mm (0.28 in). uni Flex SNB C Rubber Top R2.3 is available without indent.

Type	Belt materials and colors	Pin materials and colors
uni Flex SNB CR R1.6 uni Flex SNB C R2.3 uni Flex SNB L R2.3*	POM-D B W PP B W PA6.6 B W	PBT LG
uni Flex SNB C R2.3	POM-D B W	SS304
uni Flex SNB W	PP B W	
uni Flex SNB WO	PA6.6 B W	
uni Flex SNB WT	PA6.6 B W	SS304 PBT LG
uni Flex SNB CR Rubber Top R1.6 uni Flex SNB CI Rubber Top R2.3 uni Flex SNB CI Rubber Top R2.3	PP B W + 03 K PP B W + 03 N	PBT LG

Standard materials and colors

Lockingplates PP **W B**

Wearpart and O-Tab PA6.6 **W B**

For high speed or load abrasive applications:

Wearpart and O-Tab POM-DK **N**

Non standard material and color: See uni Material and Color Overview.

Alternative pin materials: PA6.6 **B N**

uni Flex SNB CR R1.6

Belt width		Permissible tensile force (Belt/pin material)												Belt weight (Belt/pin material)						*Min No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-D/PBT				PP/PBT				PA6.6/PBT				POM-D /PBT		PP/PBT		PA6.6/PBT			**Carry (pcs)	**Return (pcs)
		Straight sections		Curve sections		Straight sections		Curve sections		Straight sections		Curve sections										
mm	in	N	lbf	N	lbf	N	lbf	N	lbf	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft	kg/m	lb/ft			
76	3.0	2280	513	600	135	1140	256	600	135	2280	513	600	135	0.6	0.39	0.4	0.28	0.5	0.33	2	2	2
152	6.0	4561	1025	600	135	2281	513	600	135	4561	1025	600	135	1.2	0.79	0.8	0.55	1.0	0.65	2	2	2
228	9.0	6842	1538	600	135	3421	769	600	135	6842	1538	600	135	1.8	1.18	1.2	0.83	1.5	0.98	2	2	2
304	12.0	9124	2051	600	135	4562	1025	600	135	9124	2051	600	135	2.3	1.57	1.6	1.10	1.9	1.31	3	3	2
380	15.0	11405	2564	600	135	5702	1282	600	135	11405	2564	600	135	2.9	1.97	2.1	1.38	2.4	1.64	3	3	2
456	18.0	13686	3077	600	135	6843	1538	600	135	13686	3077	600	135	3.5	2.36	2.5	1.66	2.9	1.96	5	4	2
532	21.0	15967	3589	600	135	7984	1795	600	135	15967	3589	600	135	4.1	2.75	2.9	1.93	3.4	2.29	5	4	2
608	23.9	18248	4102	600	135	9124	2051	600	135	18248	4102	600	135	4.7	3.15	3.3	2.21	3.9	2.62	5	5	3
684	26.9	20530	4615	600	135	10265	2308	600	135	20530	4615	600	135	5.3	3.54	3.7	2.48	4.4	2.94	5	5	3
760	29.9	22811	5128	600	135	11405	2564	600	135	22811	5128	600	135	5.9	3.93	4.1	2.76	4.9	3.27	7	6	3
836	32.9	25092	5641	600	135	12546	2820	600	135	25092	5641	600	135	6.4	4.33	4.5	3.04	5.4	3.60	7	6	3
912	35.9	27373	6153	600	135	13687	3077	600	135	27373	6153	600	135	7.0	4.72	4.9	3.31	5.8	3.92	7	7	4
988	38.9	29654	6666	600	135	14827	3333	600	135	29654	6666	600	135	7.6	5.12	5.3	3.59	6.3	4.25	7	7	4

Additional standard belt widths are available in steps of 76.0 mm (2.99 in) Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in)

1597	62.9	47910	10770	600	135	23955	5385	600	135	47910	10770	600	135	12.3	8.26	8.6	5.80	10.2	6.87	11	11	6
------	------	-------	-------	-----	-----	-------	------	-----	-----	-------	-------	-----	-----	------	------	-----	------	------	------	----	----	---

Additional standard belt widths are available in steps of 76.0 mm (2.99 in) Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in)

1977	77.8	59310	13333	600	135	29655	6666	600	135	59310	13333	600	135	15.2	10.23	10.7	7.17	12.7	8.50	15	14	7
------	------	-------	-------	-----	-----	-------	------	-----	-----	-------	-------	-----	-----	------	-------	------	------	------	------	----	----	---

General belt tolerance is +0/-0.4% at 23°C/73°F. For exact belt width contact Customer Service. Non standard belt width on request.

Flex SNB-CR locked with wearpart or O-tabs both sides are 6 mm wider than the dimensions in the table above.

*Max. Load per Drive Sprocket. Belt material: POM-D 1000 N (225 lbf), PP 850 N (191 lbf), PA6.6 1000 N (225 lbf)

**Max. Spacing between wear strips, Carry: 152 mm (6 in); Return: 304 mm (12 in)

uni Flex SNB C R2.3 / uni Flex SNB L R2.3

Belt width		Permissible tensile force (Belt/pin material)												Belt weight (Belt/pin material)						*Min No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-D/PBT				PP/PBT				PA6.6/PBT				PP/PBT		PA6.6/PBT		**Carry (pcs)	**Return (pcs)			
		Straight sections		Curve sections		Straight sections		Curve sections		Straight sections		Curve sections										
mm	in	N	lbf	N	lbf	N	lbf	N	lbf	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft	kg/m	lb/ft			
76	3.0	2280	513	1000	225	1140	256	600	135	2280	513	1000	225	0.5	0.35	0.4	0.25	0.4	0.30	2	2	2
152	6.0	4561	1025	1000	225	2281	513	600	135	4561	1025	1000	225	1.0	0.71	0.7	0.49	0.9	0.59	2	2	2
228	9.0	6842	1538	1000	225	3421	769	600	135	6842	1538	1000	225	1.6	1.06	1.1	0.74	1.3	0.89	2	2	2
304	12.0	9124	2051	1000	225	4562	1025	600	135	9124	2051	1000	225	2.1	1.41	1.5	0.98	1.8	1.19	3	3	2
380	15.0	11405	2564	1000	225	5702	1282	600	135	11405	2564	1000	225	2.6	1.76	1.8	1.23	2.2	1.48	3	3	2
456	18.0	13686	3077	1000	225	6843	1538	600	135	13686	3077	1000	225	3.1	2.12	2.2	1.47	2.6	1.78	5	4	2
532	21.0	15967	3589	1000	225	7984	1795	600	135	15967	3589	1000	225	3.7	2.47	2.6	1.72	3.1	2.07	5	4	2
608	23.9	18248	4102	1000	225	9124	2051	600	135	18248	4102	1000	225	4.2	2.82	2.9	1.96	3.5	2.37	5	5	3
684	26.9	20530	4615	1000	225	10265	2308	600	135	20530	4615	1000	225	4.7	3.17	3.3	2.21	4.0	2.67	5	5	3
760	29.9	22811	5128	1000	225	11405	2564	600	135	22811	5128	1000	225	5.2	3.53	3.6	2.45	4.4	2.96	7	6	3
836	32.9	25092	5641	1000	225	12546	2820	600	135	25092	5641	1000	225	5.8	3.88	4.0	2.70	4.9	3.26	7	6	3
912	35.9	27373	6153	1000	225	13687	3077	600	135	27373	6153	1000	225	6.3	4.23	4.4	2.94	5.3	3.56	7	7	4
988	38.9	29654	6666	1000	225	14827	3333	600	135	29654	6666	1000	225	6.8	4.58	4.7	3.19	5.7	3.85	7	7	4

Additional standard belt widths are available in steps of 76.0 mm (2.99 in) Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in)

1597	62.9	47910	10770	1000	225	23955	5385	600	135	47910	10770	1000	225	11.0	7.41	7.7	5.15	9.3	6.22	11	11	6
------	------	-------	-------	------	-----	-------	------	-----	-----	-------	-------	------	-----	------	------	-----	------	-----	------	----	----	---

Additional standard belt widths are available in steps of 76.0 mm (2.99 in) Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in)

1977	77.8	59310	13333	1000	225	29655	6666	600	135	59310	13333	1000	225	13.6	9.17	9.5	6.38	11.5	7.71	15	14	7
------	------	-------	-------	------	-----	-------	------	-----	-----	-------	-------	------	-----	------	------	-----	------	------	------	----	----	---

General belt tolerance is +0/-0.4% at 23°C/73°F. For exact belt width contact Customer Service. Non standard belt width on request.

Flex SNB-L locked with wearpart or O-tabs both sides are 6 mm wider than the dimensions in the table above.

*Max. Load per Drive Sprocket. Belt material: POM-D 1000 N (225 lbf), PP 850 N (191 lbf), PA6.6 1000 N (225 lbf)

**Max. Spacing between wear strips, Carry: 152 mm (6 in); Return: 304 mm (12 in)

uni Flex SNB W R2.3 / uni Flex SNB WO R2.3

Belt width		Permissible tensile force (Belt/pin material)												Belt weight (Belt/pin material)						*Min No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-D/SS +Reinforcement links				POM-D/SS +Reinforcement links				POM-D/SS +Reinforcement links				SS+ Reinforcement links		SS+ Reinforcement links		SS+ Reinforcement links			**Carry (pcs)	**Return (pcs)
		Straight sections		Curve sections		Straight sections		Curve sections		Straight sections		Curve sections		links		links		links				
mm	in	N	lbf	N	lbf	N	lbf	N	lbf	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft	kg/m	lb/ft			
82	3.2	2460	553	3300	742	1230	277	3300	742	2460	553	3300	742	1.0	0.67	0.8	0.55	0.9	0.61	2	2	2
158	6.2	4741	1066	3300	742	2371	533	3300	742	4741	1066	3300	742	1.9	1.29	1.6	1.06	1.7	1.17	2	2	2
234	9.2	7022	1579	3300	742	3511	789	3300	742	7022	1579	3300	742	2.8	1.90	2.3	1.57	2.6	1.73	2	2	2
310	12.2	9304	2091	3300	742	4652	1046	3300	742	9304	2091	3300	742	3.8	2.52	3.1	2.08	3.4	2.29	3	3	2
386	15.2	11585	2604	3300	742	5792	1302	3300	742	11585	2604	3300	742	4.7	3.14	3.9	2.60	4.2	2.85	3	3	2
462	18.2	13866	3117	3300	742	6933	1559	3300	742	13866	3117	3300	742	5.6	3.76	4.6	3.11	5.1	3.42	5	4	2
538	21.2	16147	3630	3300	742	8074	1815	3300	742	16147	3630	3300	742	6.5	4.38	5.4	3.62	5.9	3.98	5	4	2
614	24.2	18428	4143	3300	742	9214	2071	3300	742	18428	4143	3300	742	7.4	5.00	6.1	4.13	6.8	4.54	5	5	3
690	27.2	20710	4656	3300	742	10355	2328	3300	742	20710	4656	3300	742	8.4	5.61	6.9	4.64	7.6	5.10	5	5	3
766	30.2	22991	5168	3300	742	11495	2584	3300	742	22991	5168	3300	742	9.3	6.23	7.7	5.15	8.4	5.67	7	6	3
842	33.2	25272	5681	3300	742	12636	2841	3300	742	25272	5681	3300	742	10.2	6.85	8.4	5.66	9.3	6.23	7	6	3
918	36.2	27553	6194	3300	742	13777	3097	3300	742	27553	6194	3300	742	11.1	7.47	9.2	6.17	10.1	6.79	7	7	4
994	39.2	29834	6707	3300	742	14917	3353	3300	742	29834	6707	3300	742	12.0	8.09	9.9	6.68	10.9	7.35	7	7	4
Additional standard belt widths are available in steps of 76.0 mm (2.99 in) Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in)																						
1603	63.1	48090	10811	3300	742	24045	5405	3300	742	48090	10811	3300	742	19.4	13.04	16.0	10.77	17.6	11.85	11	11	6
Additional standard belt widths are available in steps of 76.0 mm (2.99 in) Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in)																						
1983	78.1	59490	13373	3300	742	29745	6687	3300	742	59490	13373	3300	742	24.0	16.13	19.8	13.33	21.8	14.66	15	14	7

General belt tolerance is +0/-0.4% at 23°C/73°F. For exact belt width contact Customer Service. Non standard belt width on request.

Outer modules are always in PA6.6 on belts wider than 234 mm (9.21 in).

Belts up to 234 mm (9.21 in) in width is only available in PA6.6.

*Max. Load per Drive Sprocket. Belt material: POM-D 1000 N (225 lbf), PP 850 N (191 lbf), PA6.6 1000 N (225 lbf).

**Max. Spacing between wear strips, Carry: 152 mm (6 in); Return: 304 mm (12 in).

uni Flex SNB WT R2.3 – PBT pins

Belt width		Permissible tensile force (Belt/pin material)												Belt weight (Belt/pin material)						*Min No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-D/PBT				PP/PBT				PA6.6/PBT				POM-D/PBT		PP/PBT		PA6.6/PBT			**Carry (pcs)	**Return (pcs)
		Straight sections		Curve sections		Straight sections		Curve sections		Straight sections		Curve sections		links		links		links				
mm	in	N	lbf	N	lbf	N	lbf	N	lbf	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft	kg/m	lb/ft			
82	3.2	2460	553	1000	225	1230	277	1000	225	2460	553	1000	225	0.6	0.38	0.4	0.26	0.5	0.32	2	2	2
158	6.2	4741	1066	1000	225	2371	533	1000	225	4741	1066	1000	225	1.1	0.73	0.8	0.51	0.9	0.62	2	2	2
234	9.2	7022	1579	1000	225	3511	789	1000	225	7022	1579	1000	225	1.6	1.09	1.1	0.76	1.4	0.91	2	2	2
310	12.2	9304	2091	1000	225	4652	1046	1000	225	9304	2091	1000	225	2.1	1.44	1.5	1.00	1.8	1.21	3	3	2
386	15.2	11585	2604	1000	225	5792	1302	1000	225	11585	2604	1000	225	2.7	1.79	1.9	1.25	2.2	1.51	3	3	2
462	18.2	13866	3117	1000	225	6933	1559	1000	225	13866	3117	1000	225	3.2	2.14	2.2	1.49	2.7	1.80	5	4	2
538	21.2	16147	3630	1000	225	8074	1815	1000	225	16147	3630	1000	225	3.7	2.50	2.6	1.74	3.1	2.10	5	4	2
614	24.2	18428	4143	1000	225	9214	2071	1000	225	18428	4143	1000	225	4.2	2.85	2.9	1.98	3.6	2.39	5	5	3
690	27.2	20710	4656	1000	225	10355	2328	1000	225	20710	4656	1000	225	4.8	3.20	3.3	2.23	4.0	2.69	5	5	3
766	30.2	22991	5168	1000	225	11495	2584	1000	225	22991	5168	1000	225	5.3	3.55	3.7	2.47	4.4	2.99	7	6	3
842	33.2	25272	5681	1000	225	12636	2841	1000	225	25272	5681	1000	225	5.8	3.91	4.0	2.72	4.9	3.28	7	6	3
918	36.2	27553	6194	1000	225	13777	3097	1000	225	27553	6194	1000	225	6.3	4.26	4.4	2.96	5.3	3.58	7	7	4
994	39.2	29834	6707	1000	225	14917	3353	1000	225	29834	6707	1000	225	6.9	4.61	4.8	3.21	5.8	3.88	7	7	4
Additional standard belt widths are available in steps of 76.0 mm (2.99 in) Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in)																						
1603	63.1	48090	10811	1000	225	24045	5405	1000	225	48090	10811	1000	225	11.1	7.43	7.7	5.17	9.3	6.25	11	11	6
Additional standard belt widths are available in steps of 76.0 mm (2.99 in) Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in)																						
1983	78.1	59490	13373	1000	225	29745	6687	1000	225	59490	13373	1000	225	13.7	9.20	9.5	6.40	11.5	7.73	15	14	7

General belt tolerance is +0/-0.4% at 23°C/73°F. For exact belt width contact Customer Service. Non standard belt width on request.

Outer modules are always in PA6.6 on belts wider than 234 mm (9.21 in).

Belts up to 234 mm (9.21 in) in width is only available in PA6.6.

*Max. Load per Drive Sprocket. Belt material: POM-D 1000 N (225 lbf), PP 850 N (191 lbf), PA6.6 1000 N (225 lbf).

**Max. Spacing between wear strips, Carry: 152 mm (6 in); Return: 304 mm (12 in).

uni Flex SNB WT R2.3 – SS pins

Belt width		Permissible tensile force (Belt/pin material)												Belt weight (Belt/pin material)						*Min No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-D/SS +Reinforcement links				PP/SS +Reinforcement links				PA6.6/SS +Reinforcement links				SS+ Rein- forcement links		SS+ Rein- forcement links		SS+ Rein- forcement links			**Carry (pcs)	**Return (pcs)
		Straight sections		Curve sections		Straight sections		Curve sections		Straight sections		Curve sections		kg/m	lb/ft	kg/m	lb/ft	kg/m	lb/ft			
mm	in	N	lbf	N	lbf	N	lbf	N	lbf	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft	kg/m	lb/ft			
82	3.2	2460	553	3300	742	1230	277	3300	742	2460	553	3300	742	1.0	0.67	0.8	0.55	0.9	0.61	2	2	2
158	6.2	4741	1066	3300	742	2371	533	3300	742	4741	1066	3300	742	1.9	1.29	1.6	1.06	1.7	1.17	2	2	2
234	9.2	7022	1579	3300	742	3511	789	3300	742	7022	1579	3300	742	2.8	1.90	2.3	1.57	2.6	1.73	2	2	2
310	12.2	9304	2091	3300	742	4652	1046	3300	742	9304	2091	3300	742	3.8	2.52	3.1	2.08	3.4	2.29	3	3	2
386	15.2	11585	2604	3300	742	5792	1302	3300	742	11585	2604	3300	742	4.7	3.14	3.9	2.60	4.2	2.85	3	3	2
462	18.2	13866	3117	3300	742	6933	1559	3300	742	13866	3117	3300	742	5.6	3.76	4.6	3.11	5.1	3.42	5	4	2
538	21.2	16147	3630	3300	742	8074	1815	3300	742	16147	3630	3300	742	6.5	4.38	5.4	3.62	5.9	3.98	5	4	2
614	24.2	18428	4143	3300	742	9214	2071	3300	742	18428	4143	3300	742	7.4	5.00	6.1	4.13	6.8	4.54	5	5	3
690	27.2	20710	4656	3300	742	10355	2328	3300	742	20710	4656	3300	742	8.4	5.61	6.9	4.64	7.6	5.10	5	5	3
766	30.2	22991	5168	3300	742	11495	2584	3300	742	22991	5168	3300	742	9.3	6.23	7.7	5.15	8.4	5.67	7	6	3
842	33.2	25272	5681	3300	742	12636	2841	3300	742	25272	5681	3300	742	10.2	6.85	8.4	5.66	9.3	6.23	7	6	3
918	36.2	27553	6194	3300	742	13777	3097	3300	742	27553	6194	3300	742	11.1	7.47	9.2	6.17	10.1	6.79	7	7	4
994	39.2	29834	6707	3300	742	14917	3353	3300	742	29834	6707	3300	742	12.0	8.09	9.9	6.68	10.9	7.35	7	7	4

Additional standard belt widths are available in steps of 76.0 mm (2.99 in) Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in).

1603	63.1	48090	10811	3300	742	24045	5405	3300	742	48090	10811	3300	742	19.4	13.04	16.0	10.77	17.6	11.85	11	11	6
------	------	-------	-------	------	-----	-------	------	------	-----	-------	-------	------	-----	------	-------	------	-------	------	-------	----	----	---

Additional standard belt widths are available in steps of 76.0 mm (2.99 in) Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in).

1983	78.1	59490	13373	3300	742	29745	6687	3300	742	59490	13373	3300	742	24.0	16.13	19.8	13.33	21.8	14.66	15	14	7
------	------	-------	-------	------	-----	-------	------	------	-----	-------	-------	------	-----	------	-------	------	-------	------	-------	----	----	---

General belt tolerance is +0/-0.4% at 23°C/73°F. For exact belt width contact Customer Service. Non standard belt width on request.

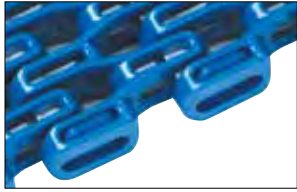
Outer modules are always in PA6.6 on belts wider than 234 mm (9.21 in).

Belts up to 234 mm (9.21 in) in width is only available in PA6.6.

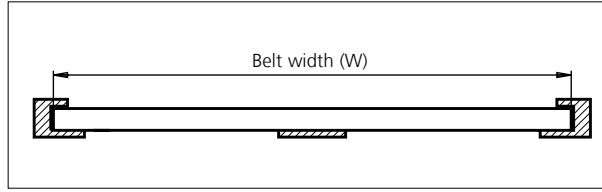
*Max. Load per Drive Sprocket. Belt material: POM-D 1000 N (225 lbf), PP 850 N (191 lbf), PA6.6 1000 N (225 lbf).

**Max. Spacing between wear strips, Carry: 152 mm (6 in); Return: 304 mm (12 in).

Belt Tracking and Control Systems



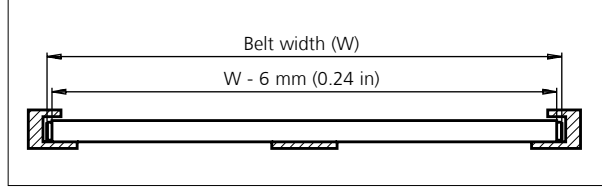
uni Flex SNB L R2.3
Standard



Basic belt types can be combined with the belt tracking and control systems below to enhance performance. Basic belt types can be combined with the belt tracking and control systems below to enhance performance.



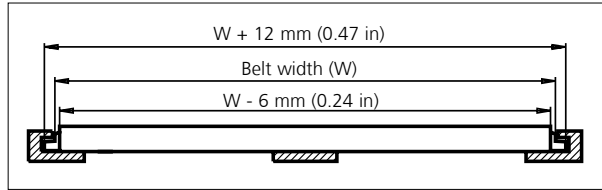
Wearpart



Wearpart system made of heat and wear resistant nylon to reduce the friction between belt edge and wearstrip. Only this part needs to be replaced when it has been worn out, not the entire belt.



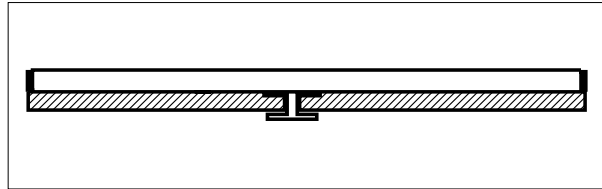
O-Tab



Outer edge tab system made of heat and wear resistant nylon to reduce the friction between belt edge and wearstrip. Using a slotted wear-strip, the O-Tab will track the belt and allow the conveyed products to be wider than the belt.
Height of O-Tab: 6.4 mm (0.25 in)
Height of slot: 8.0 mm (0.31 in)



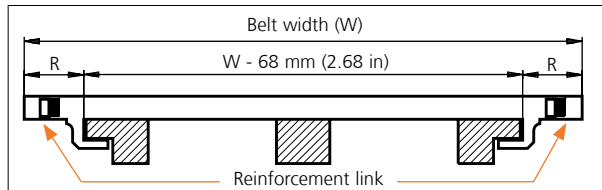
I-Tab



Intermediate tabs (I-Tab) are placed on the bottom side of the belt to hold it down on incline conveyors. The intermediate tabs will fit anywhere across the belt bottom and at pitch multiples of 12.7 mm (0.50 in).



S-Tab



Side tab (S-Tab) for holding the belt down. Normally used for wide belts. With S-Tabs, Ammerral Beltech modular A/S recommend that the radial forces in the curve are transferred by the inside edge of the belt – similar to uni Flex SNB L and uni Flex SNB W.
R = 34.0 mm (1.34 in).

Type	Belt tracking and control combination			
	Wearpart	O-Tab	S-Tab	I-Tab
uni Flex SNB L R2.3	+	+	-	+
uni Flex SNB C R1.6	+	+	-	-
uni Flex SNB CR R2.3	+	+	-	-
uni Flex SNB W R2.3	✓	-	-	+
uni Flex SNB WT R2.3	-	-	✓	+
uni Flex SNB WO R2.3	-	✓	-	+

When using S-Tabs, please verify sufficient clearance to the shaft. Max. shaft diameter = Sprocket pitch diameter - 50.8 mm (2.00 in).

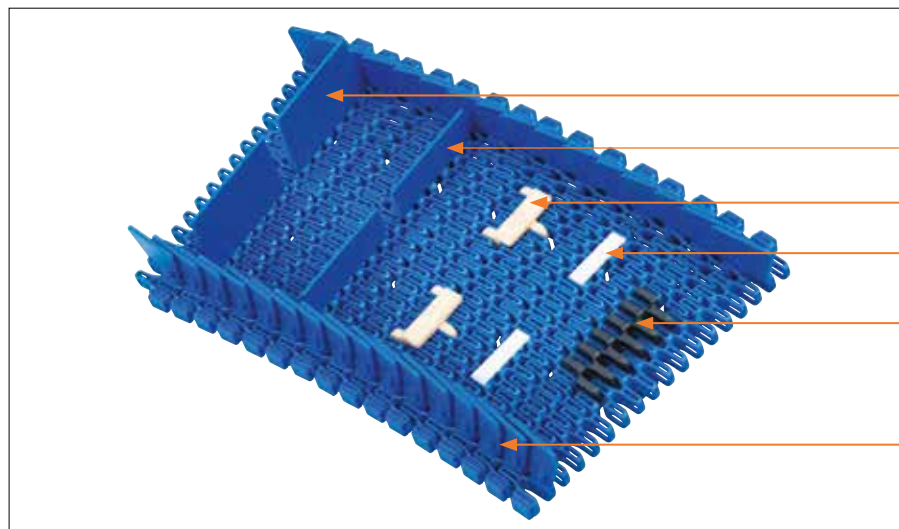
When using square shafts, please verify that the diagonal does not exceed max. diameter.

Example: Sprocket z = 10: Max. shaft diameter 82.2 - 50.8 = ø31 mm (3.24 - 2.00 = ø1.2 in).

✓ *Standard* + *Optional*

- *Unavailable*

Accessories



- Click on Flight 50.8 mm (2.00 in)
- Click on Flight 25.4 mm (1.00 in)
- Rubber Support: Made-To-Order
- Click on Flight Low: Made-To-Order
- Rubber Top
- Side Guard

Accessories

Side Guard / Standard

Type	Belt material & color	Height	
		mm	in
Side Guard	PP-I B W	30.0	1.18

Accessories

Flight / Standard

Type	Belt material & color	Link size	Height		Width	
			mm	in	mm	in
Flat	PA6.6 B W	K300	25.4	1.00	75.9	2.99
	PP B W		50.8	2.00	75.9	2.99

Support / MTO

Type	Support material & color	H		Width		Length	
		mm	in	mm	in	mm	in
Rubber Support	01 N	4.0	0.16	43.0	1.69	14.0	0.55
Click on Flight Low	POM-D W	4.0	0.16	42.0	1.65	10.5	0.41

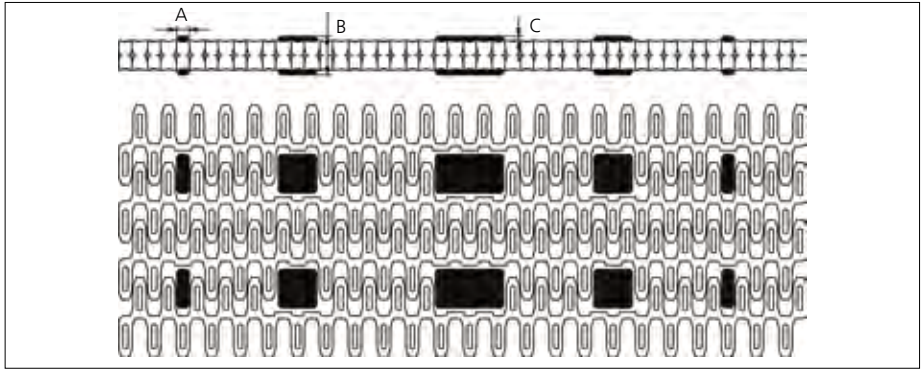
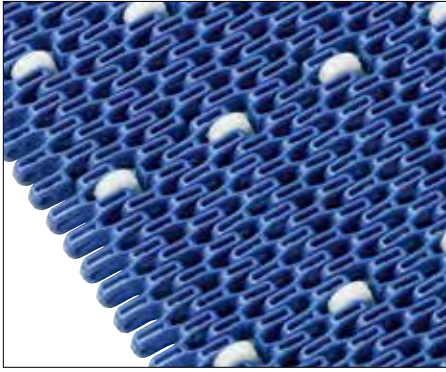
Accessories

Minimum Indents (I)

Type	Rubber Top				Side Guard				Click on Flights without Side Guard				Click on Flights with Side Guard			
	Left		Right		Left		Right		Left		Right		Left		Right	
	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in
uni Flex SNB CR R1.6	26.5	1.04	26.5	1.04	-	-	-	-	-	-	-	-	-	-	-	-
uni Flex SNB L R2.3	-	-	-	-	23.0	0.91	17.0	0.67	10.0	0.39	16.0	0.63	26.0	1.02	32.0	1.26
uni Flex SNB C R2.3	6.5	0.26	6.5	0.26	-	-	-	-	-	-	-	-	-	-	-	-
uni Flex SNB W R2.3	75.9	2.99	75.9	2.99	38.0	1.50	32.0	1.26	38.0	1.50	32.0	1.26	54.0	2.13	48.0	1.89
uni Flex SNB WO R2.3	75.9	2.99	75.9	2.99	38.0	1.50	32.0	1.26	38.0	1.50	32.0	1.26	54.0	2.13	48.0	1.89
uni Flex SNB WT R2.3*	75.9	2.99	75.9	2.99	63.0	2.48	58.0	2.28	38.0	1.50	32.0	1.26	79.0	3.11	74.0	2.91
uni Flex SNB WT R2.3**	75.9	2.99	75.9	2.99	63.0	2.48	58.0	2.28	51.0	2.01	45.0	1.77	79.0	3.11	74.0	2.91

* Even distance between Click on Flight rows
 ** Odd distance between Click on Flight rows

Made-To-Order Selection



uni Flex SNB with Rollers
 ø17 x 5.5 mm (ø0.67 x 0.22 in)

Made-To-Order Materials: POM-D, PP, PA6.6 and Roller Material POM-D.
 Non standard Roller material and color: See uni Material and Color view.

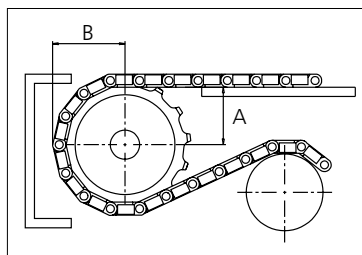
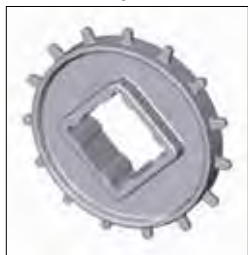
Type	Roller material & color	A		B		C	
		mm	in	mm	in	mm	in
Plastic	POM-D W	5.5	0.22	17.0	0.67	2.0	0.08
		17.0	0.67				
		30.0	1.18				

Sprocket

No. of teeth	Pilot Bore	Bore size												Overall diameter		Pitch diameter		Hub diameter		Dimension A		Dimension B		Single row/Two way	Double row/Two way	Molded	Machined
		in	0.75	0.79	0.98	1.00	1.18	1.25	1.50	1.57	2.36	2.50	3.54														
		mm	19.1	20.0	25.0	25.4	30.0	31.8	38.1	40.0	60.0	63.5	90.0	mm	in	mm	in	mm	in	mm	in						
Z09	x			■	●	●	●					73.8	2.91	74.3	2.93	56.8	2.24	28.4	1.12	43.5	1.71	x		x			
Z10	x			■	●	●	●		●			82.2	3.24	82.2	3.24	65.2	2.57	32.6	1.28	47.5	1.87	x		x			
Z12	x				●	●	●	■	●			98.8	3.89	98.1	3.86	70.0	2.76	40.9	1.61	55.5	2.19	x		x			
Z15	x				●	●	●	■	●			123.5	4.86	122.2	4.81	70.0	2.76	53.2	2.09	67.5	2.66	x		x			
Z18	x					●	●	●	■	●		148.1	5.83	146.3	5.76	70.0	2.76	65.5	2.58	79.6	3.13	x		x			
Z19	x					●	●	●	■	●		156.2	6.15	154.3	6.07	70.0	2.76	69.6	2.74	83.6	3.29	x		x			

■ Molded sprocket

● Molded sprocket



Non standard material and color: See uni Material and Color Overview.

Other sprocket sizes are available upon request
 Two-part sprocket are available upon request
 Other bore sizes are available upon request
 uni Retainer Rings: See uni Retainer Ring data sheet
 Width of tooth = 4.0 mm (0.16 in)
 Width of sprocket = 30.0 mm (1.18 in)

Max. load per sprocket shown does not take bore size into account.
 Please also ensure that sufficient size shaft is chosen for corresponding load.
 For correct sprocket position: See uni Assembly Instructions for uni Flex ASB.
 For more detailed sprocket information, contact Customer Service.



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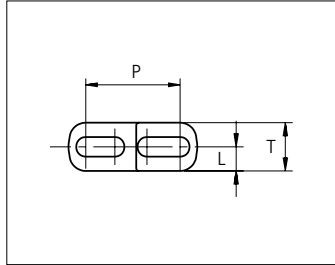
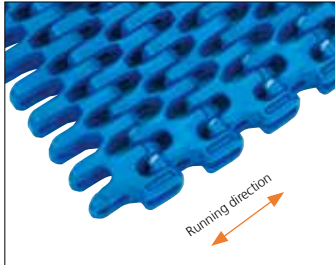
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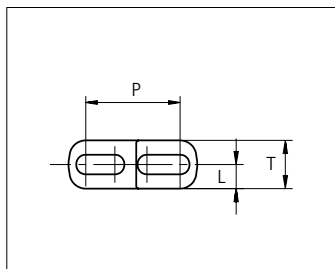
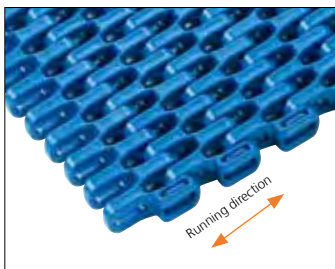
Plastic Modular Belt

Series uni Flex SNB

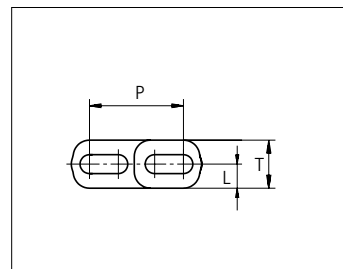
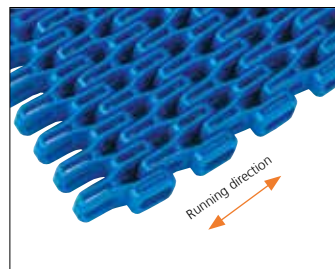


Sideflexing belt
 Nominal pitch: 25.4 mm (1.00 in)
 Surface type: Flat
 Surface opening: 47%/55%
 Backflex radius: 25.0 mm (0.98 in)
 Pin diameter: 5.0 mm (0.20 in)
 Min. inside radius: R1.6 x belt width, R2.3 x belt width

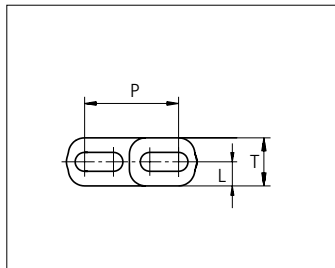
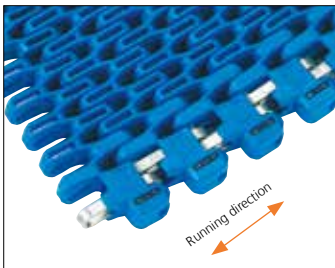
uni Flex SNB CR R1.6
 Surface Opening: 47%



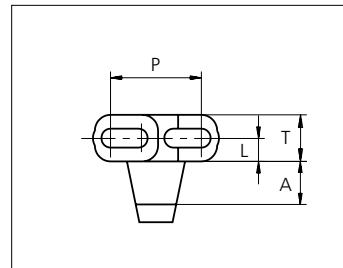
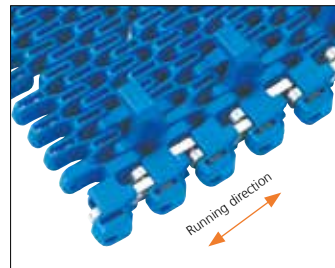
uni Flex SNB C R2.3
 Surface Opening: 47%



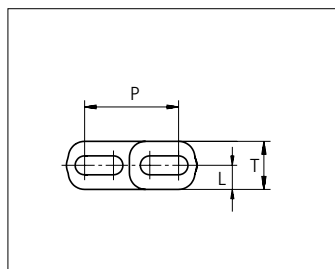
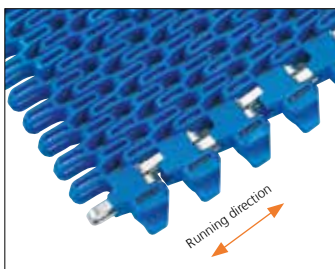
uni Flex SNB L R2.3
 Surface Opening: 47%



uni Flex SNB W R2.3
 Surface Opening: 55%



uni Flex SNB WT R2.3
 Surface Opening: 55%

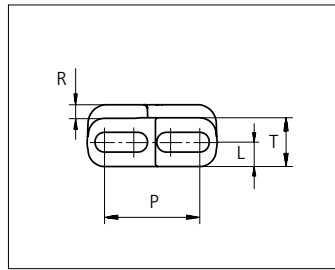
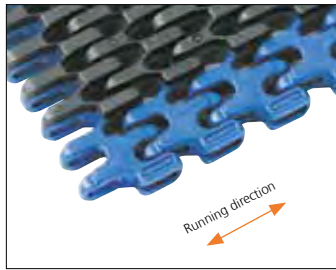


uni Flex SNB WO R2.3
 Surface Opening: 55%

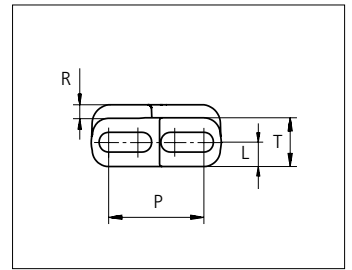
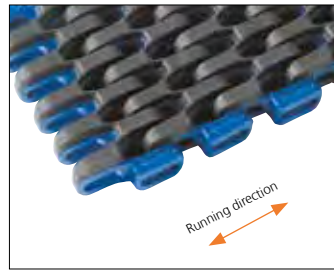
	mm	in		mm	in
P (Nominal)	25.4	1.00	L	6.5	0.26
A	12.0	0.47	T	13.0	0.51

STANDARD
 SIDE FLEXING
 PITCH 25.4 MM/1.00 IN

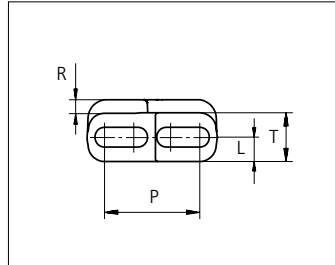
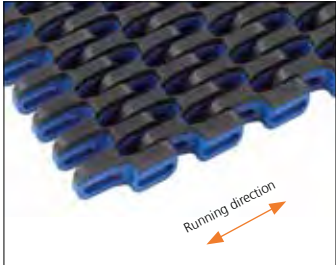




uni Flex SNB CR Rubber Top R1.6
Surface Opening: 47%



uni Flex SNB CI Rubber Top R2.3
Surface Opening: 47%



uni Flex SNB C Rubber Top R2.3
Surface Opening: 47%

	mm	in		mm	in
P (Nominal)	25.4	1.00	R	3.0	0.12
L	6.5	0.26	T	13.0	0.51

Indent uni Flex SNB CR Rubber Top R1.6 is 26.5 mm (1.04 in). uni Flex SNB CI Rubber Top R2.3 is 7.0 mm (0.28 in). uni Flex SNB C Rubber Top R2.3 is available without indent.

Type	Belt materials and colors	Pin materials and colors
uni Flex SNB CR R1.6 uni Flex SNB C R2.3 uni Flex SNB L R2.3*	POM-D B W PP B W PA6.6 B W	PBT LG
uni Flex SNB C R2.3	POM-D B W	SS304
uni Flex SNB W	PP B W	
uni Flex SNB WO	PA6.6 B W	
uni Flex SNB WT	PA6.6 B W	SS304 PBT LG
uni Flex SNB CR Rubber Top R1.6 uni Flex SNB CI Rubber Top R2.3 uni Flex SNB CI Rubber Top R2.3	PP B W + 03 K PP B W + 03 N	PBT LG

Standard materials and colors

Lockingplates PP **W B**

Wearpart and O-Tab PA6.6 **W B**

For high speed or load abrasive applications:

Wearpart and O-Tab POM-DK **N**

Non standard material and color: See uni Material and Color Overview.

Alternative pin materials: PA6.6 **B N**

uni Flex SNB CR R1.6

Belt width		Permissible tensile force (Belt/pin material)												Belt weight (Belt/pin material)						*Min No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-D/PBT				PP/PBT				PA6.6/PBT				POM-D /PBT		PP/PBT		PA6.6/PBT			**Carry (pcs)	**Return (pcs)
		Straight sections		Curve sections		Straight sections		Curve sections		Straight sections		Curve sections										
mm	in	N	lbf	N	lbf	N	lbf	N	lbf	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft	kg/m	lb/ft			
76	3.0	2280	513	600	135	1140	256	600	135	2280	513	600	135	0.6	0.39	0.4	0.28	0.5	0.33	2	2	2
152	6.0	4561	1025	600	135	2281	513	600	135	4561	1025	600	135	1.2	0.79	0.8	0.55	1.0	0.65	2	2	2
228	9.0	6842	1538	600	135	3421	769	600	135	6842	1538	600	135	1.8	1.18	1.2	0.83	1.5	0.98	2	2	2
304	12.0	9124	2051	600	135	4562	1025	600	135	9124	2051	600	135	2.3	1.57	1.6	1.10	1.9	1.31	3	3	2
380	15.0	11405	2564	600	135	5702	1282	600	135	11405	2564	600	135	2.9	1.97	2.1	1.38	2.4	1.64	3	3	2
456	18.0	13686	3077	600	135	6843	1538	600	135	13686	3077	600	135	3.5	2.36	2.5	1.66	2.9	1.96	5	4	2
532	21.0	15967	3589	600	135	7984	1795	600	135	15967	3589	600	135	4.1	2.75	2.9	1.93	3.4	2.29	5	4	2
608	23.9	18248	4102	600	135	9124	2051	600	135	18248	4102	600	135	4.7	3.15	3.3	2.21	3.9	2.62	5	5	3
684	26.9	20530	4615	600	135	10265	2308	600	135	20530	4615	600	135	5.3	3.54	3.7	2.48	4.4	2.94	5	5	3
760	29.9	22811	5128	600	135	11405	2564	600	135	22811	5128	600	135	5.9	3.93	4.1	2.76	4.9	3.27	7	6	3
836	32.9	25092	5641	600	135	12546	2820	600	135	25092	5641	600	135	6.4	4.33	4.5	3.04	5.4	3.60	7	6	3
912	35.9	27373	6153	600	135	13687	3077	600	135	27373	6153	600	135	7.0	4.72	4.9	3.31	5.8	3.92	7	7	4
988	38.9	29654	6666	600	135	14827	3333	600	135	29654	6666	600	135	7.6	5.12	5.3	3.59	6.3	4.25	7	7	4

Additional standard belt widths are available in steps of 76.0 mm (2.99 in) Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in)

1597	62.9	47910	10770	600	135	23955	5385	600	135	47910	10770	600	135	12.3	8.26	8.6	5.80	10.2	6.87	11	11	6
------	------	-------	-------	-----	-----	-------	------	-----	-----	-------	-------	-----	-----	------	------	-----	------	------	------	----	----	---

Additional standard belt widths are available in steps of 76.0 mm (2.99 in) Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in)

1977	77.8	59310	13333	600	135	29655	6666	600	135	59310	13333	600	135	15.2	10.23	10.7	7.17	12.7	8.50	15	14	7
------	------	-------	-------	-----	-----	-------	------	-----	-----	-------	-------	-----	-----	------	-------	------	------	------	------	----	----	---

General belt tolerance is +0/-0.4% at 23°C/73°F. For exact belt width contact Customer Service. Non standard belt width on request.

Flex SNB-CR locked with wearpart or O-tabs both sides are 6 mm wider than the dimensions in the table above.

*Max. Load per Drive Sprocket. Belt material: POM-D 1000 N (225 lbf), PP 850 N (191 lbf), PA6.6 1000 N (225 lbf)

**Max. Spacing between wear strips, Carry: 152 mm (6 in); Return: 304 mm (12 in)

uni Flex SNB C R2.3 / uni Flex SNB L R2.3

Belt width		Permissible tensile force (Belt/pin material)												Belt weight (Belt/pin material)						*Min No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-D/PBT				PP/PBT				PA6.6/PBT				PP/PBT		PA6.6/PBT		**Carry (pcs)	**Return (pcs)			
		Straight sections		Curve sections		Straight sections		Curve sections		Straight sections		Curve sections										
mm	in	N	lbf	N	lbf	N	lbf	N	lbf	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft			kg/m	lb/ft	
76	3.0	2280	513	1000	225	1140	256	600	135	2280	513	1000	225	0.5	0.35	0.4	0.25	0.4	0.30	2	2	2
152	6.0	4561	1025	1000	225	2281	513	600	135	4561	1025	1000	225	1.0	0.71	0.7	0.49	0.9	0.59	2	2	2
228	9.0	6842	1538	1000	225	3421	769	600	135	6842	1538	1000	225	1.6	1.06	1.1	0.74	1.3	0.89	2	2	2
304	12.0	9124	2051	1000	225	4562	1025	600	135	9124	2051	1000	225	2.1	1.41	1.5	0.98	1.8	1.19	3	3	2
380	15.0	11405	2564	1000	225	5702	1282	600	135	11405	2564	1000	225	2.6	1.76	1.8	1.23	2.2	1.48	3	3	2
456	18.0	13686	3077	1000	225	6843	1538	600	135	13686	3077	1000	225	3.1	2.12	2.2	1.47	2.6	1.78	5	4	2
532	21.0	15967	3589	1000	225	7984	1795	600	135	15967	3589	1000	225	3.7	2.47	2.6	1.72	3.1	2.07	5	4	2
608	23.9	18248	4102	1000	225	9124	2051	600	135	18248	4102	1000	225	4.2	2.82	2.9	1.96	3.5	2.37	5	5	3
684	26.9	20530	4615	1000	225	10265	2308	600	135	20530	4615	1000	225	4.7	3.17	3.3	2.21	4.0	2.67	5	5	3
760	29.9	22811	5128	1000	225	11405	2564	600	135	22811	5128	1000	225	5.2	3.53	3.6	2.45	4.4	2.96	7	6	3
836	32.9	25092	5641	1000	225	12546	2820	600	135	25092	5641	1000	225	5.8	3.88	4.0	2.70	4.9	3.26	7	6	3
912	35.9	27373	6153	1000	225	13687	3077	600	135	27373	6153	1000	225	6.3	4.23	4.4	2.94	5.3	3.56	7	7	4
988	38.9	29654	6666	1000	225	14827	3333	600	135	29654	6666	1000	225	6.8	4.58	4.7	3.19	5.7	3.85	7	7	4

Additional standard belt widths are available in steps of 76.0 mm (2.99 in) Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in)

1597	62.9	47910	10770	1000	225	23955	5385	600	135	47910	10770	1000	225	11.0	7.41	7.7	5.15	9.3	6.22	11	11	6
------	------	-------	-------	------	-----	-------	------	-----	-----	-------	-------	------	-----	------	------	-----	------	-----	------	----	----	---

Additional standard belt widths are available in steps of 76.0 mm (2.99 in) Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in)

1977	77.8	59310	13333	1000	225	29655	6666	600	135	59310	13333	1000	225	13.6	9.17	9.5	6.38	11.5	7.71	15	14	7
------	------	-------	-------	------	-----	-------	------	-----	-----	-------	-------	------	-----	------	------	-----	------	------	------	----	----	---

General belt tolerance is +0/-0.4% at 23°C/73°F. For exact belt width contact Customer Service. Non standard belt width on request.

Flex SNB-L locked with wearpart or O-tabs both sides are 6 mm wider than the dimensions in the table above.

*Max. Load per Drive Sprocket. Belt material: POM-D 1000 N (225 lbf), PP 850 N (191 lbf), PA6.6 1000 N (225 lbf)

**Max. Spacing between wear strips, Carry: 152 mm (6 in); Return: 304 mm (12 in)

uni Flex SNB W R2.3 / uni Flex SNB WO R2.3

Belt width		Permissible tensile force (Belt/pin material)												Belt weight (Belt/pin material)						*Min No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-D/SS +Reinforcement links				POM-D/SS +Reinforcement links				POM-D/SS +Reinforcement links				SS+ Reinforcement links		SS+ Reinforcement links		SS+ Reinforcement links			**Carry (pcs)	**Return (pcs)
		Straight sections		Curve sections		Straight sections		Curve sections		Straight sections		Curve sections		kg/m lb/ft		kg/m lb/ft		kg/m lb/ft				
mm	in	N	lbf	N	lbf	N	lbf	N	lbf	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft	kg/m	lb/ft			
82	3.2	2460	553	3300	742	1230	277	3300	742	2460	553	3300	742	1.0	0.67	0.8	0.55	0.9	0.61	2	2	2
158	6.2	4741	1066	3300	742	2371	533	3300	742	4741	1066	3300	742	1.9	1.29	1.6	1.06	1.7	1.17	2	2	2
234	9.2	7022	1579	3300	742	3511	789	3300	742	7022	1579	3300	742	2.8	1.90	2.3	1.57	2.6	1.73	2	2	2
310	12.2	9304	2091	3300	742	4652	1046	3300	742	9304	2091	3300	742	3.8	2.52	3.1	2.08	3.4	2.29	3	3	2
386	15.2	11585	2604	3300	742	5792	1302	3300	742	11585	2604	3300	742	4.7	3.14	3.9	2.60	4.2	2.85	3	3	2
462	18.2	13866	3117	3300	742	6933	1559	3300	742	13866	3117	3300	742	5.6	3.76	4.6	3.11	5.1	3.42	5	4	2
538	21.2	16147	3630	3300	742	8074	1815	3300	742	16147	3630	3300	742	6.5	4.38	5.4	3.62	5.9	3.98	5	4	2
614	24.2	18428	4143	3300	742	9214	2071	3300	742	18428	4143	3300	742	7.4	5.00	6.1	4.13	6.8	4.54	5	5	3
690	27.2	20710	4656	3300	742	10355	2328	3300	742	20710	4656	3300	742	8.4	5.61	6.9	4.64	7.6	5.10	5	5	3
766	30.2	22991	5168	3300	742	11495	2584	3300	742	22991	5168	3300	742	9.3	6.23	7.7	5.15	8.4	5.67	7	6	3
842	33.2	25272	5681	3300	742	12636	2841	3300	742	25272	5681	3300	742	10.2	6.85	8.4	5.66	9.3	6.23	7	6	3
918	36.2	27553	6194	3300	742	13777	3097	3300	742	27553	6194	3300	742	11.1	7.47	9.2	6.17	10.1	6.79	7	7	4
994	39.2	29834	6707	3300	742	14917	3353	3300	742	29834	6707	3300	742	12.0	8.09	9.9	6.68	10.9	7.35	7	7	4
Additional standard belt widths are available in steps of 76.0 mm (2.99 in) Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in)																						
1603	63.1	48090	10811	3300	742	24045	5405	3300	742	48090	10811	3300	742	19.4	13.04	16.0	10.77	17.6	11.85	11	11	6
Additional standard belt widths are available in steps of 76.0 mm (2.99 in) Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in)																						
1983	78.1	59490	13373	3300	742	29745	6687	3300	742	59490	13373	3300	742	24.0	16.13	19.8	13.33	21.8	14.66	15	14	7

General belt tolerance is +0/-0.4% at 23°C/73°F. For exact belt width contact Customer Service. Non standard belt width on request.

Outer modules are always in PA6.6 on belts wider than 234 mm (9.21 in).

Belts up to 234 mm (9.21 in) in width is only available in PA6.6.

*Max. Load per Drive Sprocket. Belt material: POM-D 1000 N (225 lbf), PP 850 N (191 lbf), PA6.6 1000 N (225 lbf).

**Max. Spacing between wear strips, Carry: 152 mm (6 in); Return: 304 mm (12 in).

uni Flex SNB WT R2.3 – PBT pins

Belt width		Permissible tensile force (Belt/pin material)												Belt weight (Belt/pin material)						*Min No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-D/PBT				PP/PBT				PA6.6/PBT				POM-D/PBT		PP/PBT		PA6.6/PBT			**Carry (pcs)	**Return (pcs)
		Straight sections		Curve sections		Straight sections		Curve sections		Straight sections		Curve sections		kg/m lb/ft		kg/m lb/ft		kg/m lb/ft				
mm	in	N	lbf	N	lbf	N	lbf	N	lbf	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft	kg/m	lb/ft			
82	3.2	2460	553	1000	225	1230	277	1000	225	2460	553	1000	225	0.6	0.38	0.4	0.26	0.5	0.32	2	2	2
158	6.2	4741	1066	1000	225	2371	533	1000	225	4741	1066	1000	225	1.1	0.73	0.8	0.51	0.9	0.62	2	2	2
234	9.2	7022	1579	1000	225	3511	789	1000	225	7022	1579	1000	225	1.6	1.09	1.1	0.76	1.4	0.91	2	2	2
310	12.2	9304	2091	1000	225	4652	1046	1000	225	9304	2091	1000	225	2.1	1.44	1.5	1.00	1.8	1.21	3	3	2
386	15.2	11585	2604	1000	225	5792	1302	1000	225	11585	2604	1000	225	2.7	1.79	1.9	1.25	2.2	1.51	3	3	2
462	18.2	13866	3117	1000	225	6933	1559	1000	225	13866	3117	1000	225	3.2	2.14	2.2	1.49	2.7	1.80	5	4	2
538	21.2	16147	3630	1000	225	8074	1815	1000	225	16147	3630	1000	225	3.7	2.50	2.6	1.74	3.1	2.10	5	4	2
614	24.2	18428	4143	1000	225	9214	2071	1000	225	18428	4143	1000	225	4.2	2.85	2.9	1.98	3.6	2.39	5	5	3
690	27.2	20710	4656	1000	225	10355	2328	1000	225	20710	4656	1000	225	4.8	3.20	3.3	2.23	4.0	2.69	5	5	3
766	30.2	22991	5168	1000	225	11495	2584	1000	225	22991	5168	1000	225	5.3	3.55	3.7	2.47	4.4	2.99	7	6	3
842	33.2	25272	5681	1000	225	12636	2841	1000	225	25272	5681	1000	225	5.8	3.91	4.0	2.72	4.9	3.28	7	6	3
918	36.2	27553	6194	1000	225	13777	3097	1000	225	27553	6194	1000	225	6.3	4.26	4.4	2.96	5.3	3.58	7	7	4
994	39.2	29834	6707	1000	225	14917	3353	1000	225	29834	6707	1000	225	6.9	4.61	4.8	3.21	5.8	3.88	7	7	4
Additional standard belt widths are available in steps of 76.0 mm (2.99 in) Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in)																						
1603	63.1	48090	10811	1000	225	24045	5405	1000	225	48090	10811	1000	225	11.1	7.43	7.7	5.17	9.3	6.25	11	11	6
Additional standard belt widths are available in steps of 76.0 mm (2.99 in) Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in)																						
1983	78.1	59490	13373	1000	225	29745	6687	1000	225	59490	13373	1000	225	13.7	9.20	9.5	6.40	11.5	7.73	15	14	7

General belt tolerance is +0/-0.4% at 23°C/73°F. For exact belt width contact Customer Service. Non standard belt width on request.

Outer modules are always in PA6.6 on belts wider than 234 mm (9.21 in).

Belts up to 234 mm (9.21 in) in width is only available in PA6.6.

*Max. Load per Drive Sprocket. Belt material: POM-D 1000 N (225 lbf), PP 850 N (191 lbf), PA6.6 1000 N (225 lbf).

**Max. Spacing between wear strips, Carry: 152 mm (6 in); Return: 304 mm (12 in).

uni Flex SNB WT R2.3 – SS pins

Belt width		Permissible tensile force (Belt/pin material)												Belt weight (Belt/pin material)						*Min No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-D/SS +Reinforcement links				PP/SS +Reinforcement links				PA6.6/SS +Reinforcement links				SS+ Rein- forcement links		SS+ Rein- forcement links		SS+ Rein- forcement links			**Carry (pcs)	**Return (pcs)
		Straight sections		Curve sections		Straight sections		Curve sections		Straight sections		Curve sections		kg/m	lb/ft	kg/m	lb/ft	kg/m	lb/ft			
mm	in	N	lbf	N	lbf	N	lbf	N	lbf	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft	kg/m	lb/ft			
82	3.2	2460	553	3300	742	1230	277	3300	742	2460	553	3300	742	1.0	0.67	0.8	0.55	0.9	0.61	2	2	2
158	6.2	4741	1066	3300	742	2371	533	3300	742	4741	1066	3300	742	1.9	1.29	1.6	1.06	1.7	1.17	2	2	2
234	9.2	7022	1579	3300	742	3511	789	3300	742	7022	1579	3300	742	2.8	1.90	2.3	1.57	2.6	1.73	2	2	2
310	12.2	9304	2091	3300	742	4652	1046	3300	742	9304	2091	3300	742	3.8	2.52	3.1	2.08	3.4	2.29	3	3	2
386	15.2	11585	2604	3300	742	5792	1302	3300	742	11585	2604	3300	742	4.7	3.14	3.9	2.60	4.2	2.85	3	3	2
462	18.2	13866	3117	3300	742	6933	1559	3300	742	13866	3117	3300	742	5.6	3.76	4.6	3.11	5.1	3.42	5	4	2
538	21.2	16147	3630	3300	742	8074	1815	3300	742	16147	3630	3300	742	6.5	4.38	5.4	3.62	5.9	3.98	5	4	2
614	24.2	18428	4143	3300	742	9214	2071	3300	742	18428	4143	3300	742	7.4	5.00	6.1	4.13	6.8	4.54	5	5	3
690	27.2	20710	4656	3300	742	10355	2328	3300	742	20710	4656	3300	742	8.4	5.61	6.9	4.64	7.6	5.10	5	5	3
766	30.2	22991	5168	3300	742	11495	2584	3300	742	22991	5168	3300	742	9.3	6.23	7.7	5.15	8.4	5.67	7	6	3
842	33.2	25272	5681	3300	742	12636	2841	3300	742	25272	5681	3300	742	10.2	6.85	8.4	5.66	9.3	6.23	7	6	3
918	36.2	27553	6194	3300	742	13777	3097	3300	742	27553	6194	3300	742	11.1	7.47	9.2	6.17	10.1	6.79	7	7	4
994	39.2	29834	6707	3300	742	14917	3353	3300	742	29834	6707	3300	742	12.0	8.09	9.9	6.68	10.9	7.35	7	7	4

Additional standard belt widths are available in steps of 76.0 mm (2.99 in) Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in).

1603	63.1	48090	10811	3300	742	24045	5405	3300	742	48090	10811	3300	742	19.4	13.04	16.0	10.77	17.6	11.85	11	11	6
------	------	-------	-------	------	-----	-------	------	------	-----	-------	-------	------	-----	------	-------	------	-------	------	-------	----	----	---

Additional standard belt widths are available in steps of 76.0 mm (2.99 in) Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in).

1983	78.1	59490	13373	3300	742	29745	6687	3300	742	59490	13373	3300	742	24.0	16.13	19.8	13.33	21.8	14.66	15	14	7
------	------	-------	-------	------	-----	-------	------	------	-----	-------	-------	------	-----	------	-------	------	-------	------	-------	----	----	---

General belt tolerance is +0/-0.4% at 23°C/73°F. For exact belt width contact Customer Service. Non standard belt width on request.

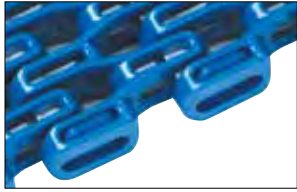
Outer modules are always in PA6.6 on belts wider than 234 mm (9.21 in).

Belts up to 234 mm (9.21 in) in width is only available in PA6.6.

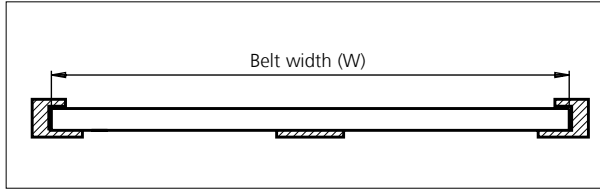
*Max. Load per Drive Sprocket. Belt material: POM-D 1000 N (225 lbf), PP 850 N (191 lbf), PA6.6 1000 N (225 lbf).

**Max. Spacing between wear strips, Carry: 152 mm (6 in); Return: 304 mm (12 in).

Belt Tracking and Control Systems



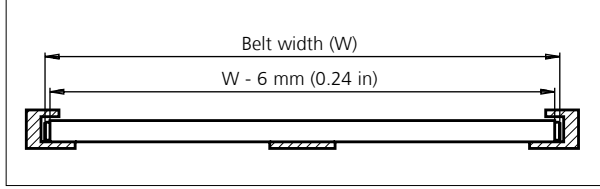
uni Flex SNB L R2.3
Standard



Basic belt types can be combined with the belt tracking and control systems below to enhance performance. Basic belt types can be combined with the belt tracking and control systems below to enhance performance.



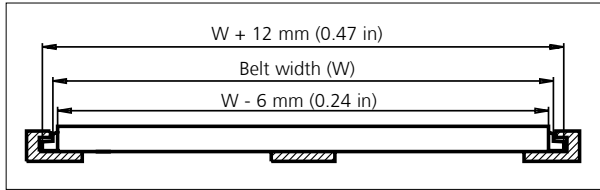
Wearpart



Wearpart system made of heat and wear resistant nylon to reduce the friction between belt edge and wearstrip. Only this part needs to be replaced when it has been worn out, not the entire belt.



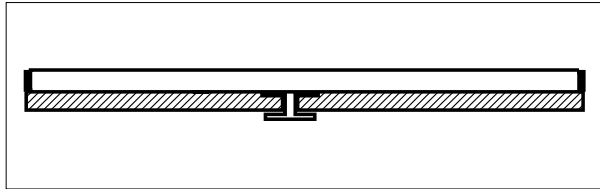
O-Tab



Outer edge tab system made of heat and wear resistant nylon to reduce the friction between belt edge and wearstrip. Using a slotted wear-strip, the O-Tab will track the belt and allow the conveyed products to be wider than the belt.
Height of O-Tab: 6.4 mm (0.25 in)
Height of slot: 8.0 mm (0.31 in)



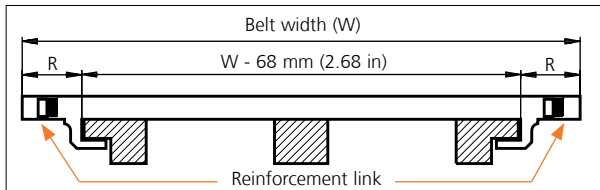
I-Tab



Intermediate tabs (I-Tab) are placed on the bottom side of the belt to hold it down on incline conveyors. The intermediate tabs will fit anywhere across the belt bottom and at pitch multiples of 12.7 mm (0.50 in).



S-Tab



Side tab (S-Tab) for holding the belt down. Normally used for wide belts. With S-Tabs, Ammerral Beltech modular A/S recommend that the radial forces in the curve are transferred by the inside edge of the belt – similar to uni Flex SNB L and uni Flex SNB W.
R = 34.0 mm (1.34 in).

Type	Belt tracking and control combination			
	Wearpart	O-Tab	S-Tab	I-Tab
uni Flex SNB L R2.3	+	+	-	+
uni Flex SNB C R1.6	+	+	-	-
uni Flex SNB CR R2.3	+	+	-	-
uni Flex SNB W R2.3	✓	-	-	+
uni Flex SNB WT R2.3	-	-	✓	+
uni Flex SNB WO R2.3	-	✓	-	+

When using S-Tabs, please verify sufficient clearance to the shaft. Max. shaft diameter = Sprocket pitch diameter - 50.8 mm (2.00 in).

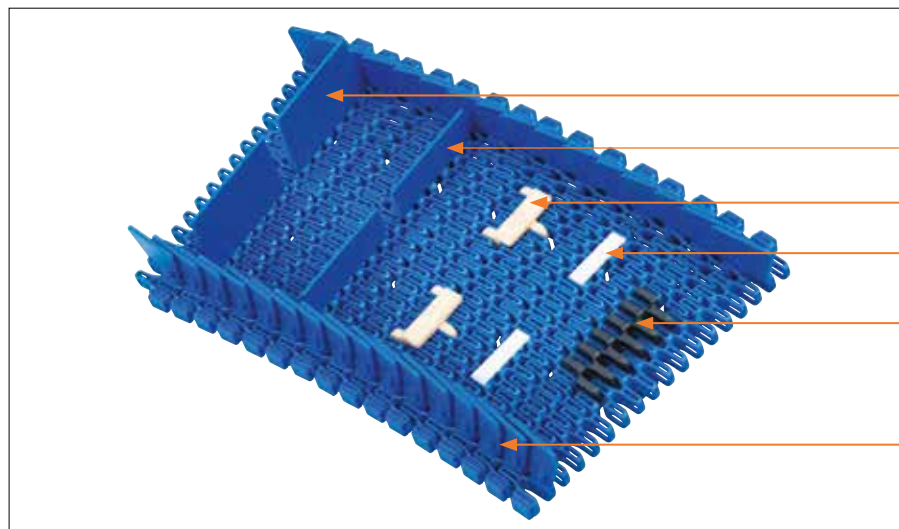
When using square shafts, please verify that the diagonal does not exceed max. diameter.

Example: Sprocket z = 10: Max. shaft diameter 82.2 - 50.8 = \varnothing 31 mm (3.24 - 2.00 = \varnothing 1.2 in).

✓ Standard + Optional

- Unavailable

Accessories



- Click on Flight 50.8 mm (2.00 in)
- Click on Flight 25.4 mm (1.00 in)
- Rubber Support: Made-To-Order
- Click on Flight Low: Made-To-Order
- Rubber Top
- Side Guard

Accessories

Side Guard / Standard

Type	Belt material & color	Height	
		mm	in
Side Guard	PP-I B W	30.0	1.18

Accessories

Flight / Standard

Type	Belt material & color	Link size	Height		Width	
			mm	in	mm	in
Flat	PA6.6 B W	K300	25.4	1.00	75.9	2.99
	PP B W		50.8	2.00	75.9	2.99

Support / MTO

Type	Support material & color	H		Width		Length	
		mm	in	mm	in	mm	in
Rubber Support	01 N	4.0	0.16	43.0	1.69	14.0	0.55
Click on Flight Low	POM-D W	4.0	0.16	42.0	1.65	10.5	0.41

Accessories

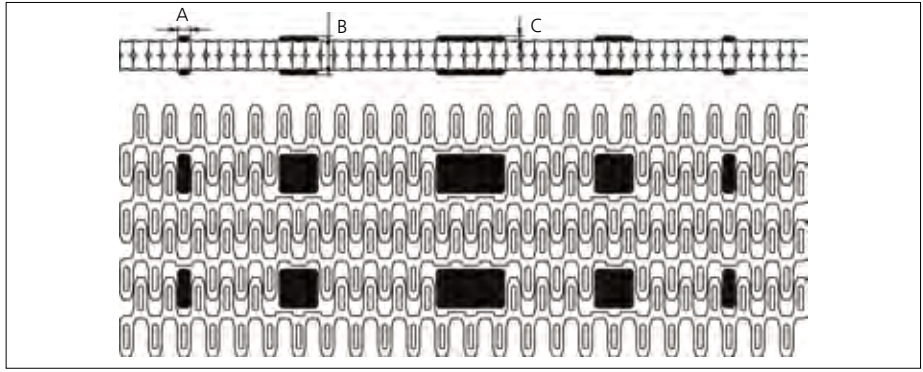
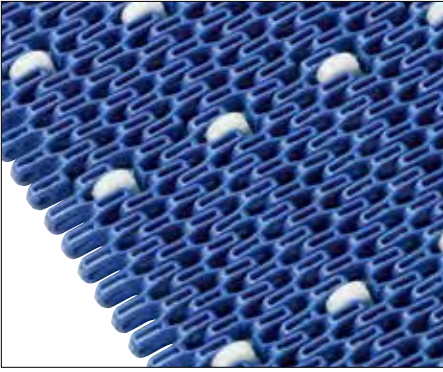
Minimum Indents (I)

Type	Rubber Top				Side Guard				Click on Flights without Side Guard				Click on Flights with Side Guard			
	Left		Right		Left		Right		Left		Right		Left		Right	
	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in
uni Flex SNB CR R1.6	26.5	1.04	26.5	1.04	-	-	-	-	-	-	-	-	-	-	-	-
uni Flex SNB L R2.3	-	-	-	-	23.0	0.91	17.0	0.67	10.0	0.39	16.0	0.63	26.0	1.02	32.0	1.26
uni Flex SNB C R2.3	6.5	0.26	6.5	0.26	-	-	-	-	-	-	-	-	-	-	-	-
uni Flex SNB W R2.3	75.9	2.99	75.9	2.99	38.0	1.50	32.0	1.26	38.0	1.50	32.0	1.26	54.0	2.13	48.0	1.89
uni Flex SNB WO R2.3	75.9	2.99	75.9	2.99	38.0	1.50	32.0	1.26	38.0	1.50	32.0	1.26	54.0	2.13	48.0	1.89
uni Flex SNB WT R2.3*	75.9	2.99	75.9	2.99	63.0	2.48	58.0	2.28	38.0	1.50	32.0	1.26	79.0	3.11	74.0	2.91
uni Flex SNB WT R2.3**	75.9	2.99	75.9	2.99	63.0	2.48	58.0	2.28	51.0	2.01	45.0	1.77	79.0	3.11	74.0	2.91

* Even distance between Click on Flight rows

** Odd distance between Click on Flight rows

Made-To-Order Selection



uni Flex SNB with Rollers
 ø17 x 5.5 mm (ø0.67 x 0.22 in)

Made-To-Order Materials: POM-D, PP, PA6.6 and Roller Material POM-D.
 Non standard Roller material and color: See uni Material and Color view.

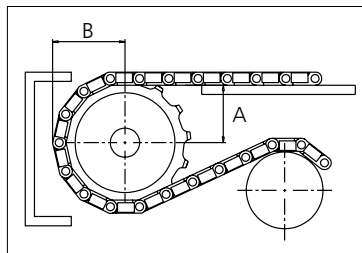
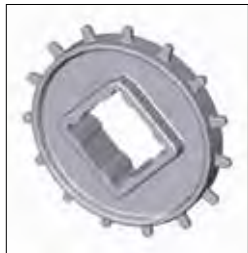
Type	Roller material & color	A		B		C	
		mm	in	mm	in	mm	in
Plastic	POM-D W	5.5	0.22	17.0	0.67	2.0	0.08
		17.0	0.67				
		30.0	1.18				

Sprocket

No. of teeth	Pilot Bore	Bore size												Overall diameter		Pitch diameter		Hub diameter		Dimension A		Dimension B		Single row/Two way	Double row/Two way	Molded	Machined
		in	0.75	0.79	0.98	1.00	1.18	1.25	1.50	1.57	2.36	2.50	3.54														
		mm	19.1	20.0	25.0	25.4	30.0	31.8	38.1	40.0	60.0	63.5	90.0	mm	in	mm	in	mm	in	mm	in						
Z09	x			■	●	●						73.8	2.91	74.3	2.93	56.8	2.24	28.4	1.12	43.5	1.71	x		x			
Z10	x			■	●	●		●				82.2	3.24	82.2	3.24	65.2	2.57	32.6	1.28	47.5	1.87	x		x			
Z12	x				●	●	■	■				98.8	3.89	98.1	3.86	70.0	2.76	40.9	1.61	55.5	2.19	x		x			
Z15	x				●	●	■	■	●			123.5	4.86	122.2	4.81	70.0	2.76	53.2	2.09	67.5	2.66	x		x			
Z18	x					●	●	■	■	●		148.1	5.83	146.3	5.76	70.0	2.76	65.5	2.58	79.6	3.13	x		x			
Z19	x					●	●	■	■	●		156.2	6.15	154.3	6.07	70.0	2.76	69.6	2.74	83.6	3.29	x		x			

■ Molded sprocket

● Molded sprocket



Non standard material and color: See uni Material and Color Overview.

Other sprocket sizes are available upon request
 Two-part sprocket are available upon request
 Other bore sizes are available upon request
 uni Retainer Rings: See uni Retainer Ring data sheet
 Width of tooth = 4.0 mm (0.16 in)
 Width of sprocket = 30.0 mm (1.18 in)

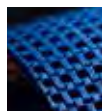
Max. load per sprocket shown does not take bore size into account.
 Please also ensure that sufficient size shaft is chosen for corresponding load.
 For correct sprocket position: See uni Assembly Instructions for uni Flex ASB.
 For more detailed sprocket information, contact Customer Service.



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Seamless Belts



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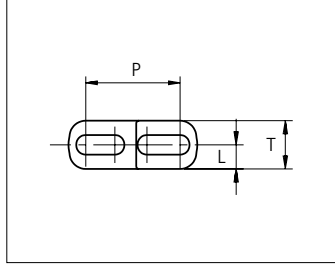
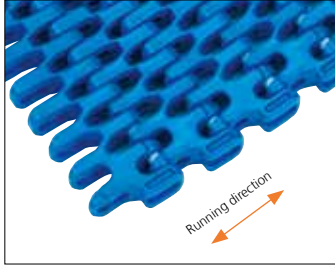
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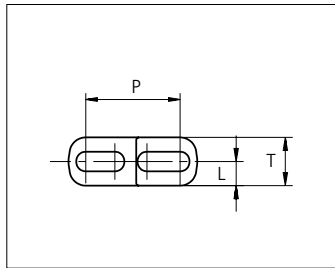
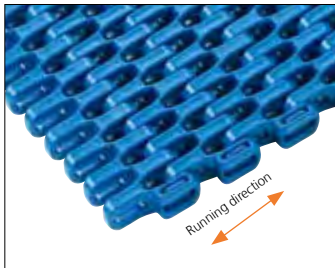
Plastic Modular Belt

Series uni Flex SNB

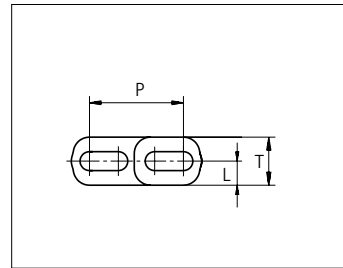
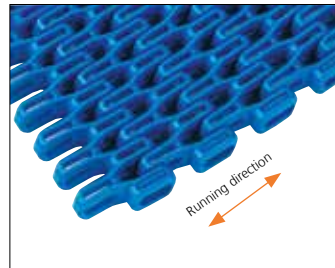


Sideflexing belt
 Nominal pitch: 25.4 mm (1.00 in)
 Surface type: Flat
 Surface opening: 47%/55%
 Backflex radius: 25.0 mm (0.98 in)
 Pin diameter: 5.0 mm (0.20 in)
 Min. inside radius: R1.6 x belt width, R2.3 x belt width

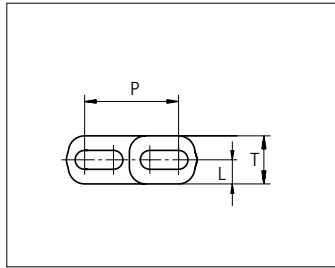
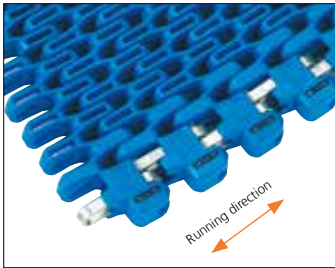
uni Flex SNB CR R1.6
 Surface Opening: 47%



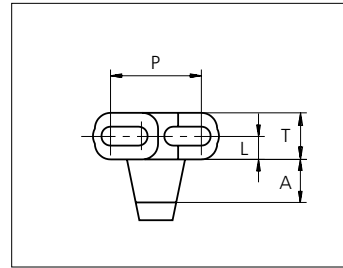
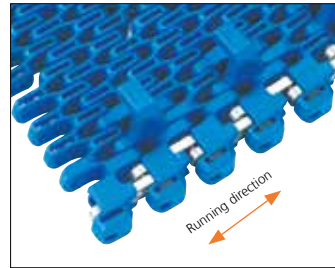
uni Flex SNB C R2.3
 Surface Opening: 47%



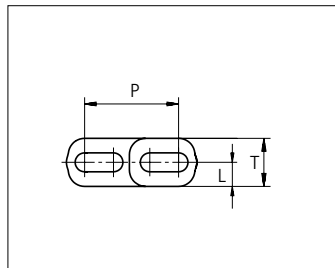
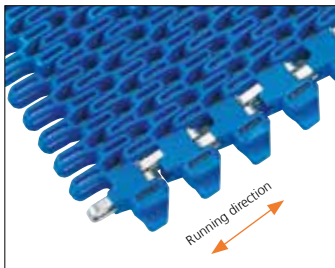
uni Flex SNB L R2.3
 Surface Opening: 55%



uni Flex SNB W R2.3
 Surface Opening: 55%



uni Flex SNB WT R2.3
 Surface Opening: 55%

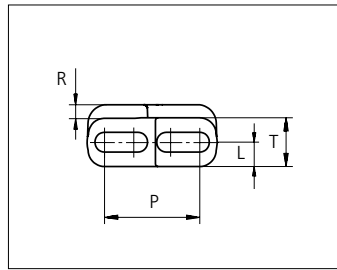
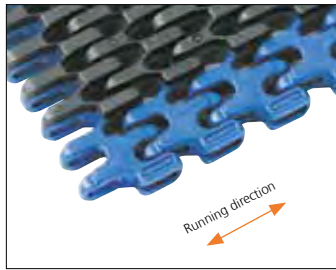


uni Flex SNB WO R2.3
 Surface Opening: 55%

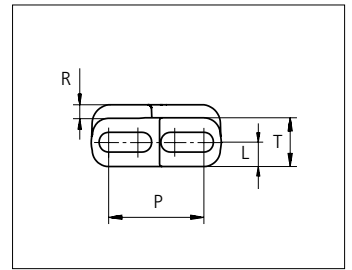
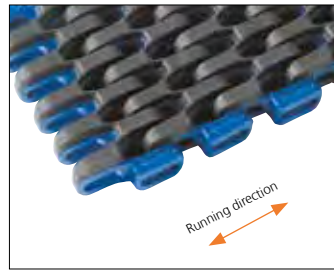
	mm	in		mm	in
P (Nominal)	25.4	1.00	L	6.5	0.26
A	12.0	0.47	T	13.0	0.51

STANDARD
 SIDE FLEXING
 PITCH 25.4 MM/1.00 IN

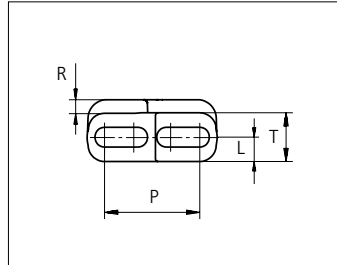
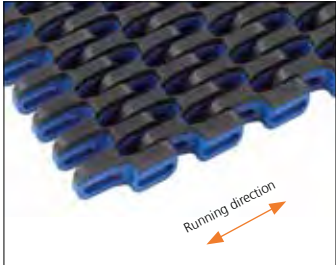




uni Flex SNB CR Rubber Top R1.6
Surface Opening: 47%



uni Flex SNB CI Rubber Top R2.3
Surface Opening: 47%



uni Flex SNB C Rubber Top R2.3
Surface Opening: 47%

	mm	in		mm	in
P (Nominal)	25.4	1.00	R	3.0	0.12
L	6.5	0.26	T	13.0	0.51

Indent uni Flex SNB CR Rubber Top R1.6 is 26.5 mm (1.04 in). uni Flex SNB CI Rubber Top R2.3 is 7.0 mm (0.28 in). uni Flex SNB C Rubber Top R2.3 is available without indent.

Type	Belt materials and colors	Pin materials and colors
uni Flex SNB CR R1.6 uni Flex SNB C R2.3 uni Flex SNB L R2.3*	POM-D B W PP B W PA6.6 B W	PBT LG
uni Flex SNB C R2.3	POM-D B W	
uni Flex SNB W	PP B W	SS304
uni Flex SNB WO	PA6.6 B W	SS304 PBT LG
uni Flex SNB WT	PA6.6 B W	SS304 PBT LG
uni Flex SNB CR Rubber Top R1.6 uni Flex SNB CI Rubber Top R2.3 uni Flex SNB CI Rubber Top R2.3	PP B W + 03 K PP B W + 03 N	PBT LG

Standard materials and colors

Lockingplates PP **W B**

Wearpart and O-Tab PA6.6 **W B**

For high speed or load abrasive applications:

Wearpart and O-Tab POM-DK **N**

Non standard material and color: See uni Material and Color Overview.

Alternative pin materials: PA6.6 **B N**

uni Flex SNB CR R1.6

Belt width		Permissible tensile force (Belt/pin material)												Belt weight (Belt/pin material)						*Min No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-D/PBT				PP/PBT				PA6.6/PBT				POM-D /PBT		PP/PBT		PA6.6/PBT			**Carry (pcs)	**Return (pcs)
		Straight sections		Curve sections		Straight sections		Curve sections		Straight sections		Curve sections										
mm	in	N	lbf	N	lbf	N	lbf	N	lbf	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft	kg/m	lb/ft			
76	3.0	2280	513	600	135	1140	256	600	135	2280	513	600	135	0.6	0.39	0.4	0.28	0.5	0.33	2	2	2
152	6.0	4561	1025	600	135	2281	513	600	135	4561	1025	600	135	1.2	0.79	0.8	0.55	1.0	0.65	2	2	2
228	9.0	6842	1538	600	135	3421	769	600	135	6842	1538	600	135	1.8	1.18	1.2	0.83	1.5	0.98	2	2	2
304	12.0	9124	2051	600	135	4562	1025	600	135	9124	2051	600	135	2.3	1.57	1.6	1.10	1.9	1.31	3	3	2
380	15.0	11405	2564	600	135	5702	1282	600	135	11405	2564	600	135	2.9	1.97	2.1	1.38	2.4	1.64	3	3	2
456	18.0	13686	3077	600	135	6843	1538	600	135	13686	3077	600	135	3.5	2.36	2.5	1.66	2.9	1.96	5	4	2
532	21.0	15967	3589	600	135	7984	1795	600	135	15967	3589	600	135	4.1	2.75	2.9	1.93	3.4	2.29	5	4	2
608	23.9	18248	4102	600	135	9124	2051	600	135	18248	4102	600	135	4.7	3.15	3.3	2.21	3.9	2.62	5	5	3
684	26.9	20530	4615	600	135	10265	2308	600	135	20530	4615	600	135	5.3	3.54	3.7	2.48	4.4	2.94	5	5	3
760	29.9	22811	5128	600	135	11405	2564	600	135	22811	5128	600	135	5.9	3.93	4.1	2.76	4.9	3.27	7	6	3
836	32.9	25092	5641	600	135	12546	2820	600	135	25092	5641	600	135	6.4	4.33	4.5	3.04	5.4	3.60	7	6	3
912	35.9	27373	6153	600	135	13687	3077	600	135	27373	6153	600	135	7.0	4.72	4.9	3.31	5.8	3.92	7	7	4
988	38.9	29654	6666	600	135	14827	3333	600	135	29654	6666	600	135	7.6	5.12	5.3	3.59	6.3	4.25	7	7	4

Additional standard belt widths are available in steps of 76.0 mm (2.99 in) Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in)

1597	62.9	47910	10770	600	135	23955	5385	600	135	47910	10770	600	135	12.3	8.26	8.6	5.80	10.2	6.87	11	11	6
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Additional standard belt widths are available in steps of 76.0 mm (2.99 in) Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in)

1977	77.8	59310	13333	600	135	29655	6666	600	135	59310	13333	600	135	15.2	10.23	10.7	7.17	12.7	8.50	15	14	7
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General belt tolerance is +0/-0.4% at 23°C/73°F. For exact belt width contact Customer Service. Non standard belt width on request.

Flex SNB-CR locked with wearpart or O-tabs both sides are 6 mm wider than the dimensions in the table above.

*Max. Load per Drive Sprocket. Belt material: POM-D 1000 N (225 lbf), PP 850 N (191 lbf), PA6.6 1000 N (225 lbf)

**Max. Spacing between wear strips, Carry: 152 mm (6 in); Return: 304 mm (12 in)

uni Flex SNB C R2.3 / uni Flex SNB L R2.3

Belt width		Permissible tensile force (Belt/pin material)												Belt weight (Belt/pin material)						*Min No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-D/PBT				PP/PBT				PA6.6/PBT				PP/PBT		PA6.6/PBT		**Carry (pcs)	**Return (pcs)			
		Straight sections		Curve sections		Straight sections		Curve sections		Straight sections		Curve sections										
mm	in	N	lbf	N	lbf	N	lbf	N	lbf	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft			kg/m	lb/ft	
76	3.0	2280	513	1000	225	1140	256	600	135	2280	513	1000	225	0.5	0.35	0.4	0.25	0.4	0.30	2	2	2
152	6.0	4561	1025	1000	225	2281	513	600	135	4561	1025	1000	225	1.0	0.71	0.7	0.49	0.9	0.59	2	2	2
228	9.0	6842	1538	1000	225	3421	769	600	135	6842	1538	1000	225	1.6	1.06	1.1	0.74	1.3	0.89	2	2	2
304	12.0	9124	2051	1000	225	4562	1025	600	135	9124	2051	1000	225	2.1	1.41	1.5	0.98	1.8	1.19	3	3	2
380	15.0	11405	2564	1000	225	5702	1282	600	135	11405	2564	1000	225	2.6	1.76	1.8	1.23	2.2	1.48	3	3	2
456	18.0	13686	3077	1000	225	6843	1538	600	135	13686	3077	1000	225	3.1	2.12	2.2	1.47	2.6	1.78	5	4	2
532	21.0	15967	3589	1000	225	7984	1795	600	135	15967	3589	1000	225	3.7	2.47	2.6	1.72	3.1	2.07	5	4	2
608	23.9	18248	4102	1000	225	9124	2051	600	135	18248	4102	1000	225	4.2	2.82	2.9	1.96	3.5	2.37	5	5	3
684	26.9	20530	4615	1000	225	10265	2308	600	135	20530	4615	1000	225	4.7	3.17	3.3	2.21	4.0	2.67	5	5	3
760	29.9	22811	5128	1000	225	11405	2564	600	135	22811	5128	1000	225	5.2	3.53	3.6	2.45	4.4	2.96	7	6	3
836	32.9	25092	5641	1000	225	12546	2820	600	135	25092	5641	1000	225	5.8	3.88	4.0	2.70	4.9	3.26	7	6	3
912	35.9	27373	6153	1000	225	13687	3077	600	135	27373	6153	1000	225	6.3	4.23	4.4	2.94	5.3	3.56	7	7	4
988	38.9	29654	6666	1000	225	14827	3333	600	135	29654	6666	1000	225	6.8	4.58	4.7	3.19	5.7	3.85	7	7	4

Additional standard belt widths are available in steps of 76.0 mm (2.99 in) Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in)

1597	62.9	47910	10770	1000	225	23955	5385	600	135	47910	10770	1000	225	11.0	7.41	7.7	5.15	9.3	6.22	11	11	6
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Additional standard belt widths are available in steps of 76.0 mm (2.99 in) Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in)

1977	77.8	59310	13333	1000	225	29655	6666	600	135	59310	13333	1000	225	13.6	9.17	9.5	6.38	11.5	7.71	15	14	7
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General belt tolerance is +0/-0.4% at 23°C/73°F. For exact belt width contact Customer Service. Non standard belt width on request.

Flex SNB-L locked with wearpart or O-tabs both sides are 6 mm wider than the dimensions in the table above.

*Max. Load per Drive Sprocket. Belt material: POM-D 1000 N (225 lbf), PP 850 N (191 lbf), PA6.6 1000 N (225 lbf)

**Max. Spacing between wear strips, Carry: 152 mm (6 in); Return: 304 mm (12 in)

uni Flex SNB W R2.3 / uni Flex SNB WO R2.3

Belt width		Permissible tensile force (Belt/pin material)												Belt weight (Belt/pin material)						*Min No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-D/SS +Reinforcement links				POM-D/SS +Reinforcement links				POM-D/SS +Reinforcement links				SS+ Reinforcement links		SS+ Reinforcement links		SS+ Reinforcement links			**Carry (pcs)	**Return (pcs)
		Straight sections		Curve sections		Straight sections		Curve sections		Straight sections		Curve sections		links		links		links				
mm	in	N	lbf	N	lbf	N	lbf	N	lbf	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft	kg/m	lb/ft			
82	3.2	2460	553	3300	742	1230	277	3300	742	2460	553	3300	742	1.0	0.67	0.8	0.55	0.9	0.61	2	2	2
158	6.2	4741	1066	3300	742	2371	533	3300	742	4741	1066	3300	742	1.9	1.29	1.6	1.06	1.7	1.17	2	2	2
234	9.2	7022	1579	3300	742	3511	789	3300	742	7022	1579	3300	742	2.8	1.90	2.3	1.57	2.6	1.73	2	2	2
310	12.2	9304	2091	3300	742	4652	1046	3300	742	9304	2091	3300	742	3.8	2.52	3.1	2.08	3.4	2.29	3	3	2
386	15.2	11585	2604	3300	742	5792	1302	3300	742	11585	2604	3300	742	4.7	3.14	3.9	2.60	4.2	2.85	3	3	2
462	18.2	13866	3117	3300	742	6933	1559	3300	742	13866	3117	3300	742	5.6	3.76	4.6	3.11	5.1	3.42	5	4	2
538	21.2	16147	3630	3300	742	8074	1815	3300	742	16147	3630	3300	742	6.5	4.38	5.4	3.62	5.9	3.98	5	4	2
614	24.2	18428	4143	3300	742	9214	2071	3300	742	18428	4143	3300	742	7.4	5.00	6.1	4.13	6.8	4.54	5	5	3
690	27.2	20710	4656	3300	742	10355	2328	3300	742	20710	4656	3300	742	8.4	5.61	6.9	4.64	7.6	5.10	5	5	3
766	30.2	22991	5168	3300	742	11495	2584	3300	742	22991	5168	3300	742	9.3	6.23	7.7	5.15	8.4	5.67	7	6	3
842	33.2	25272	5681	3300	742	12636	2841	3300	742	25272	5681	3300	742	10.2	6.85	8.4	5.66	9.3	6.23	7	6	3
918	36.2	27553	6194	3300	742	13777	3097	3300	742	27553	6194	3300	742	11.1	7.47	9.2	6.17	10.1	6.79	7	7	4
994	39.2	29834	6707	3300	742	14917	3353	3300	742	29834	6707	3300	742	12.0	8.09	9.9	6.68	10.9	7.35	7	7	4
Additional standard belt widths are available in steps of 76.0 mm (2.99 in) Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in)																						
1603	63.1	48090	10811	3300	742	24045	5405	3300	742	48090	10811	3300	742	19.4	13.04	16.0	10.77	17.6	11.85	11	11	6
Additional standard belt widths are available in steps of 76.0 mm (2.99 in) Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in)																						
1983	78.1	59490	13373	3300	742	29745	6687	3300	742	59490	13373	3300	742	24.0	16.13	19.8	13.33	21.8	14.66	15	14	7

General belt tolerance is +0/-0.4% at 23°C/73°F. For exact belt width contact Customer Service. Non standard belt width on request.

Outer modules are always in PA6.6 on belts wider than 234 mm (9.21 in).

Belts up to 234 mm (9.21 in) in width is only available in PA6.6.

*Max. Load per Drive Sprocket. Belt material: POM-D 1000 N (225 lbf), PP 850 N (191 lbf), PA6.6 1000 N (225 lbf).

**Max. Spacing between wear strips, Carry: 152 mm (6 in); Return: 304 mm (12 in).

uni Flex SNB WT R2.3 – PBT pins

Belt width		Permissible tensile force (Belt/pin material)												Belt weight (Belt/pin material)						*Min No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-D/PBT				PP/PBT				PA6.6/PBT				POM-D/PBT		PP/PBT		PA6.6/PBT			**Carry (pcs)	**Return (pcs)
		Straight sections		Curve sections		Straight sections		Curve sections		Straight sections		Curve sections		links		links		links				
mm	in	N	lbf	N	lbf	N	lbf	N	lbf	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft	kg/m	lb/ft			
82	3.2	2460	553	1000	225	1230	277	1000	225	2460	553	1000	225	0.6	0.38	0.4	0.26	0.5	0.32	2	2	2
158	6.2	4741	1066	1000	225	2371	533	1000	225	4741	1066	1000	225	1.1	0.73	0.8	0.51	0.9	0.62	2	2	2
234	9.2	7022	1579	1000	225	3511	789	1000	225	7022	1579	1000	225	1.6	1.09	1.1	0.76	1.4	0.91	2	2	2
310	12.2	9304	2091	1000	225	4652	1046	1000	225	9304	2091	1000	225	2.1	1.44	1.5	1.00	1.8	1.21	3	3	2
386	15.2	11585	2604	1000	225	5792	1302	1000	225	11585	2604	1000	225	2.7	1.79	1.9	1.25	2.2	1.51	3	3	2
462	18.2	13866	3117	1000	225	6933	1559	1000	225	13866	3117	1000	225	3.2	2.14	2.2	1.49	2.7	1.80	5	4	2
538	21.2	16147	3630	1000	225	8074	1815	1000	225	16147	3630	1000	225	3.7	2.50	2.6	1.74	3.1	2.10	5	4	2
614	24.2	18428	4143	1000	225	9214	2071	1000	225	18428	4143	1000	225	4.2	2.85	2.9	1.98	3.6	2.39	5	5	3
690	27.2	20710	4656	1000	225	10355	2328	1000	225	20710	4656	1000	225	4.8	3.20	3.3	2.23	4.0	2.69	5	5	3
766	30.2	22991	5168	1000	225	11495	2584	1000	225	22991	5168	1000	225	5.3	3.55	3.7	2.47	4.4	2.99	7	6	3
842	33.2	25272	5681	1000	225	12636	2841	1000	225	25272	5681	1000	225	5.8	3.91	4.0	2.72	4.9	3.28	7	6	3
918	36.2	27553	6194	1000	225	13777	3097	1000	225	27553	6194	1000	225	6.3	4.26	4.4	2.96	5.3	3.58	7	7	4
994	39.2	29834	6707	1000	225	14917	3353	1000	225	29834	6707	1000	225	6.9	4.61	4.8	3.21	5.8	3.88	7	7	4
Additional standard belt widths are available in steps of 76.0 mm (2.99 in) Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in)																						
1603	63.1	48090	10811	1000	225	24045	5405	1000	225	48090	10811	1000	225	11.1	7.43	7.7	5.17	9.3	6.25	11	11	6
Additional standard belt widths are available in steps of 76.0 mm (2.99 in) Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in)																						
1983	78.1	59490	13373	1000	225	29745	6687	1000	225	59490	13373	1000	225	13.7	9.20	9.5	6.40	11.5	7.73	15	14	7

General belt tolerance is +0/-0.4% at 23°C/73°F. For exact belt width contact Customer Service. Non standard belt width on request.

Outer modules are always in PA6.6 on belts wider than 234 mm (9.21 in).

Belts up to 234 mm (9.21 in) in width is only available in PA6.6.

*Max. Load per Drive Sprocket. Belt material: POM-D 1000 N (225 lbf), PP 850 N (191 lbf), PA6.6 1000 N (225 lbf).

**Max. Spacing between wear strips, Carry: 152 mm (6 in); Return: 304 mm (12 in).

uni Flex SNB WT R2.3 – SS pins

Belt width		Permissible tensile force (Belt/pin material)												Belt weight (Belt/pin material)						*Min No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-D/SS +Reinforcement links				PP/SS +Reinforcement links				PA6.6/SS +Reinforcement links				SS+ Rein- forcement links		SS+ Rein- forcement links		SS+ Rein- forcement links			**Carry (pcs)	**Return (pcs)
		Straight sections		Curve sections		Straight sections		Curve sections		Straight sections		Curve sections		kg/m	lb/ft	kg/m	lb/ft	kg/m	lb/ft			
mm	in	N	lbf	N	lbf	N	lbf	N	lbf	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft	kg/m	lb/ft			
82	3.2	2460	553	3300	742	1230	277	3300	742	2460	553	3300	742	1.0	0.67	0.8	0.55	0.9	0.61	2	2	2
158	6.2	4741	1066	3300	742	2371	533	3300	742	4741	1066	3300	742	1.9	1.29	1.6	1.06	1.7	1.17	2	2	2
234	9.2	7022	1579	3300	742	3511	789	3300	742	7022	1579	3300	742	2.8	1.90	2.3	1.57	2.6	1.73	2	2	2
310	12.2	9304	2091	3300	742	4652	1046	3300	742	9304	2091	3300	742	3.8	2.52	3.1	2.08	3.4	2.29	3	3	2
386	15.2	11585	2604	3300	742	5792	1302	3300	742	11585	2604	3300	742	4.7	3.14	3.9	2.60	4.2	2.85	3	3	2
462	18.2	13866	3117	3300	742	6933	1559	3300	742	13866	3117	3300	742	5.6	3.76	4.6	3.11	5.1	3.42	5	4	2
538	21.2	16147	3630	3300	742	8074	1815	3300	742	16147	3630	3300	742	6.5	4.38	5.4	3.62	5.9	3.98	5	4	2
614	24.2	18428	4143	3300	742	9214	2071	3300	742	18428	4143	3300	742	7.4	5.00	6.1	4.13	6.8	4.54	5	5	3
690	27.2	20710	4656	3300	742	10355	2328	3300	742	20710	4656	3300	742	8.4	5.61	6.9	4.64	7.6	5.10	5	5	3
766	30.2	22991	5168	3300	742	11495	2584	3300	742	22991	5168	3300	742	9.3	6.23	7.7	5.15	8.4	5.67	7	6	3
842	33.2	25272	5681	3300	742	12636	2841	3300	742	25272	5681	3300	742	10.2	6.85	8.4	5.66	9.3	6.23	7	6	3
918	36.2	27553	6194	3300	742	13777	3097	3300	742	27553	6194	3300	742	11.1	7.47	9.2	6.17	10.1	6.79	7	7	4
994	39.2	29834	6707	3300	742	14917	3353	3300	742	29834	6707	3300	742	12.0	8.09	9.9	6.68	10.9	7.35	7	7	4

Additional standard belt widths are available in steps of 76.0 mm (2.99 in) Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in).

1603	63.1	48090	10811	3300	742	24045	5405	3300	742	48090	10811	3300	742	19.4	13.04	16.0	10.77	17.6	11.85	11	11	6
------	------	-------	-------	------	-----	-------	------	------	-----	-------	-------	------	-----	------	-------	------	-------	------	-------	----	----	---

Additional standard belt widths are available in steps of 76.0 mm (2.99 in) Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in).

1983	78.1	59490	13373	3300	742	29745	6687	3300	742	59490	13373	3300	742	24.0	16.13	19.8	13.33	21.8	14.66	15	14	7
------	------	-------	-------	------	-----	-------	------	------	-----	-------	-------	------	-----	------	-------	------	-------	------	-------	----	----	---

General belt tolerance is +0/-0.4% at 23°C/73°F. For exact belt width contact Customer Service. Non standard belt width on request.

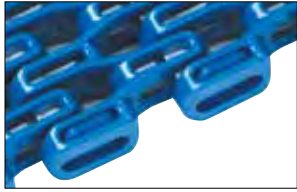
Outer modules are always in PA6.6 on belts wider than 234 mm (9.21 in).

Belts up to 234 mm (9.21 in) in width is only available in PA6.6.

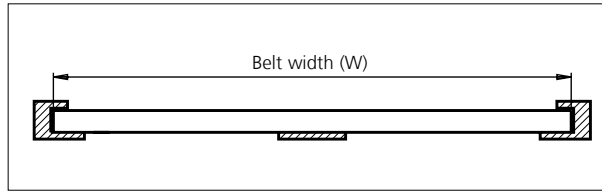
*Max. Load per Drive Sprocket. Belt material: POM-D 1000 N (225 lbf), PP 850 N (191 lbf), PA6.6 1000 N (225 lbf).

**Max. Spacing between wear strips, Carry: 152 mm (6 in); Return: 304 mm (12 in).

Belt Tracking and Control Systems



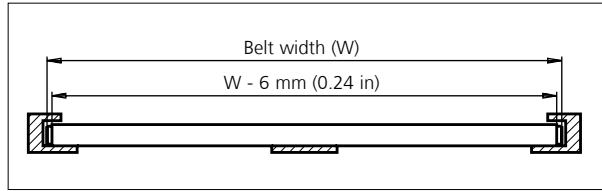
uni Flex SNB L R2.3
Standard



Basic belt types can be combined with the belt tracking and control systems below to enhance performance. Basic belt types can be combined with the belt tracking and control systems below to enhance performance.



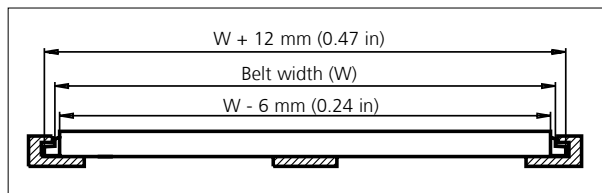
Wearpart



Wearpart system made of heat and wear resistant nylon to reduce the friction between belt edge and wearstrip. Only this part needs to be replaced when it has been worn out, not the entire belt.



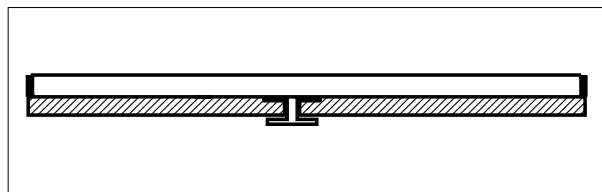
O-Tab



Outer edge tab system made of heat and wear resistant nylon to reduce the friction between belt edge and wearstrip. Using a slotted wear-strip, the O-Tab will track the belt and allow the conveyed products to be wider than the belt.
Height of O-Tab: 6.4 mm (0.25 in)
Height of slot: 8.0 mm (0.31 in)



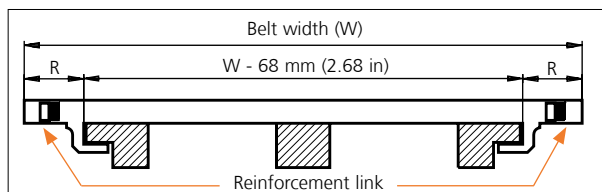
I-Tab



Intermediate tabs (I-Tab) are placed on the bottom side of the belt to hold it down on incline conveyors. The intermediate tabs will fit anywhere across the belt bottom and at pitch multiples of 12.7 mm (0.50 in).



S-Tab



Side tab (S-Tab) for holding the belt down. Normally used for wide belts. With S-Tabs, Ammerral Beltech modular A/S recommend that the radial forces in the curve are transferred by the inside edge of the belt – similar to uni Flex SNB L and uni Flex SNB W.
R = 34.0 mm (1.34 in).

Type	Belt tracking and control combination			
	Wearpart	O-Tab	S-Tab	I-Tab
uni Flex SNB L R2.3	+	+	-	+
uni Flex SNB C R1.6	+	+	-	-
uni Flex SNB CR R2.3	+	+	-	-
uni Flex SNB W R2.3	✓	-	-	+
uni Flex SNB WT R2.3	-	-	✓	+
uni Flex SNB WO R2.3	-	✓	-	+

When using S-Tabs, please verify sufficient clearance to the shaft. Max. shaft diameter = Sprocket pitch diameter - 50.8 mm (2.00 in).

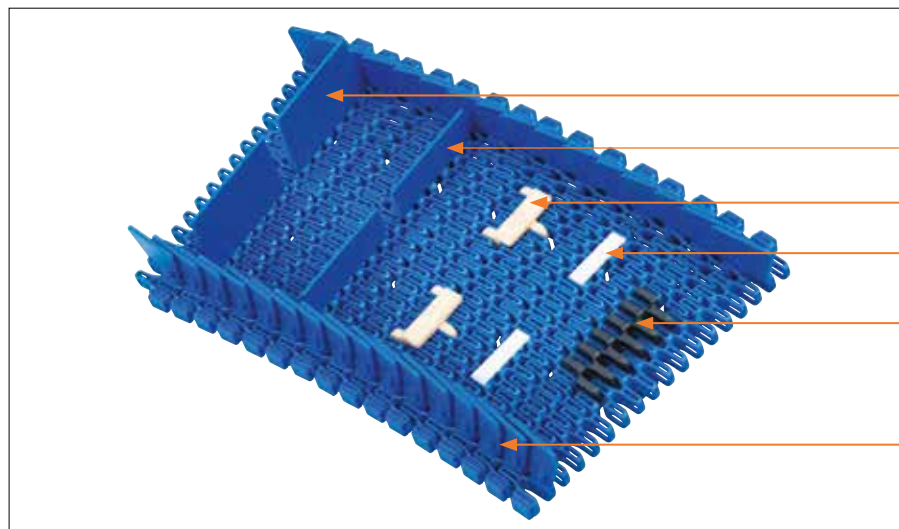
When using square shafts, please verify that the diagonal does not exceed max. diameter.

Example: Sprocket z = 10: Max. shaft diameter 82.2 - 50.8 = \varnothing 31 mm (3.24 - 2.00 = \varnothing 1.2 in).

✓ Standard + Optional

- Unavailable

Accessories



- Click on Flight 50.8 mm (2.00 in)
- Click on Flight 25.4 mm (1.00 in)
- Rubber Support: Made-To-Order
- Click on Flight Low: Made-To-Order
- Rubber Top
- Side Guard

Accessories

Side Guard / Standard

Type	Belt material & color	Height	
		mm	in
Side Guard	PP-I B W	30.0	1.18

Accessories

Flight / Standard

Type	Belt material & color	Link size	Height		Width	
			mm	in	mm	in
Flat	PA6.6 B W	K300	25.4	1.00	75.9	2.99
	PP B W		50.8	2.00	75.9	2.99

Support / MTO

Type	Support material & color	H		Width		Length	
		mm	in	mm	in	mm	in
Rubber Support	01 N	4.0	0.16	43.0	1.69	14.0	0.55
Click on Flight Low	POM-D W	4.0	0.16	42.0	1.65	10.5	0.41

Accessories

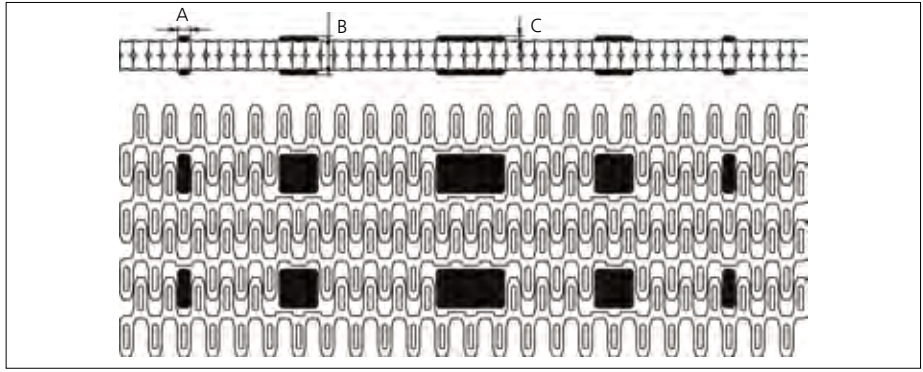
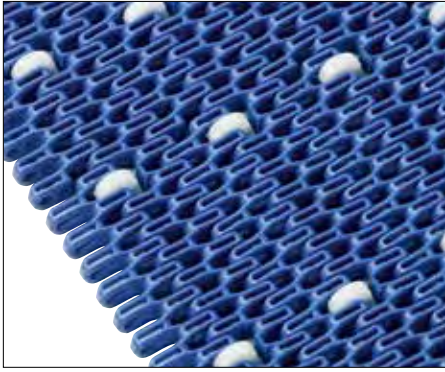
Minimum Indents (I)

Type	Rubber Top				Side Guard				Click on Flights without Side Guard				Click on Flights with Side Guard			
	Left		Right		Left		Right		Left		Right		Left		Right	
	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in
uni Flex SNB CR R1.6	26.5	1.04	26.5	1.04	-	-	-	-	-	-	-	-	-	-	-	-
uni Flex SNB L R2.3	-	-	-	-	23.0	0.91	17.0	0.67	10.0	0.39	16.0	0.63	26.0	1.02	32.0	1.26
uni Flex SNB C R2.3	6.5	0.26	6.5	0.26	-	-	-	-	-	-	-	-	-	-	-	-
uni Flex SNB W R2.3	75.9	2.99	75.9	2.99	38.0	1.50	32.0	1.26	38.0	1.50	32.0	1.26	54.0	2.13	48.0	1.89
uni Flex SNB WO R2.3	75.9	2.99	75.9	2.99	38.0	1.50	32.0	1.26	38.0	1.50	32.0	1.26	54.0	2.13	48.0	1.89
uni Flex SNB WT R2.3*	75.9	2.99	75.9	2.99	63.0	2.48	58.0	2.28	38.0	1.50	32.0	1.26	79.0	3.11	74.0	2.91
uni Flex SNB WT R2.3**	75.9	2.99	75.9	2.99	63.0	2.48	58.0	2.28	51.0	2.01	45.0	1.77	79.0	3.11	74.0	2.91

* Even distance between Click on Flight rows

** Odd distance between Click on Flight rows

Made-To-Order Selection



uni Flex SNB with Rollers
 ø17 x 5.5 mm (ø0.67 x 0.22 in)

Made-To-Order Materials: POM-D, PP, PA6.6 and Roller Material POM-D.
 Non standard Roller material and color: See uni Material and Color view.

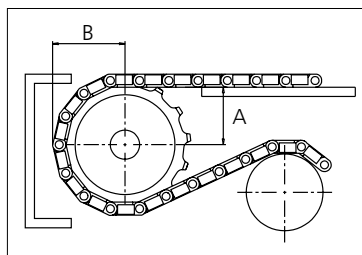
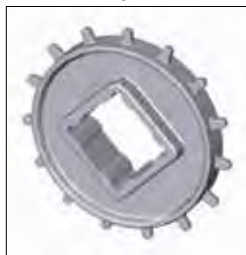
Type	Roller material & color	A		B		C	
		mm	in	mm	in	mm	in
Plastic	POM-D W	5.5	0.22	17.0	0.67	2.0	0.08
		17.0	0.67				
		30.0	1.18				

Sprocket

No. of teeth	Pilot Bore	Bore size												Overall diameter		Pitch diameter		Hub diameter		Dimension A		Dimension B		Single row/Two way	Double row/Two way	Molded	Machined
		in	0.75	0.79	0.98	1.00	1.18	1.25	1.50	1.57	2.36	2.50	3.54														
		mm	19.1	20.0	25.0	25.4	30.0	31.8	38.1	40.0	60.0	63.5	90.0	mm	in	mm	in	mm	in	mm	in						
Z09	x				■	●	●						73.8	2.91	74.3	2.93	56.8	2.24	28.4	1.12	43.5	1.71	x		x		
Z10	x				■	●	●				●		82.2	3.24	82.2	3.24	65.2	2.57	32.6	1.28	47.5	1.87	x		x		
Z12	x					●	●	●	■		●		98.8	3.89	98.1	3.86	70.0	2.76	40.9	1.61	55.5	2.19	x		x		
Z15	x					●	●	●	■		●		123.5	4.86	122.2	4.81	70.0	2.76	53.2	2.09	67.5	2.66	x		x		
Z18	x						●	●	●	■	●		148.1	5.83	146.3	5.76	70.0	2.76	65.5	2.58	79.6	3.13	x		x		
Z19	x							●	●	■	●		156.2	6.15	154.3	6.07	70.0	2.76	69.6	2.74	83.6	3.29	x		x		

■ Molded sprocket

● Molded sprocket



Non standard material and color: See uni Material and Color Overview.

Other sprocket sizes are available upon request
 Two-part sprocket are available upon request
 Other bore sizes are available upon request
 uni Retainer Rings: See uni Retainer Ring data sheet
 Width of tooth = 4.0 mm (0.16 in)
 Width of sprocket = 30.0 mm (1.18 in)

Max. load per sprocket shown does not take bore size into account.
 Please also ensure that sufficient size shaft is chosen for corresponding load.
 For correct sprocket position: See uni Assembly Instructions for uni Flex ASB.
 For more detailed sprocket information, contact Customer Service.



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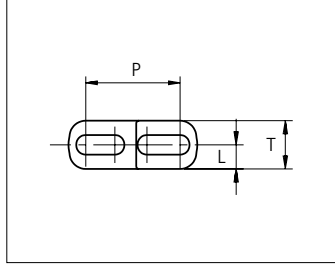
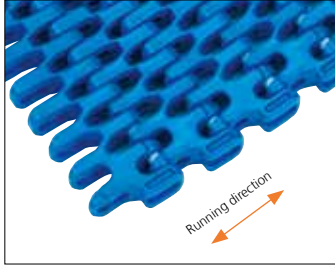
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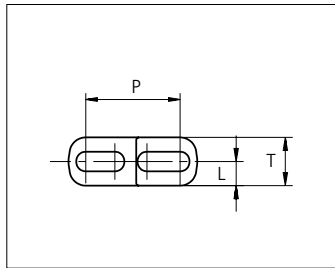
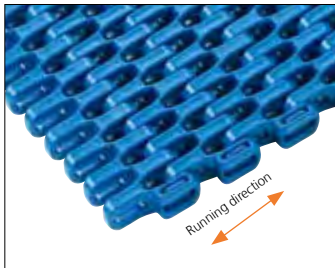
Plastic Modular Belt

Series uni Flex SNB

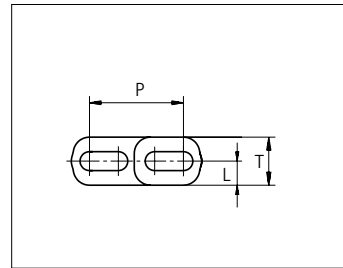
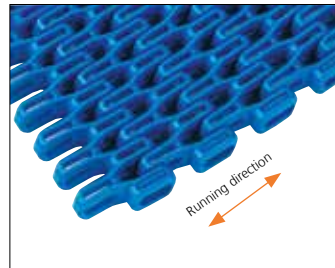


Sideflexing belt
 Nominal pitch: 25.4 mm (1.00 in)
 Surface type: Flat
 Surface opening: 47%/55%
 Backflex radius: 25.0 mm (0.98 in)
 Pin diameter: 5.0 mm (0.20 in)
 Min. inside radius: R1.6 x belt width, R2.3 x belt width

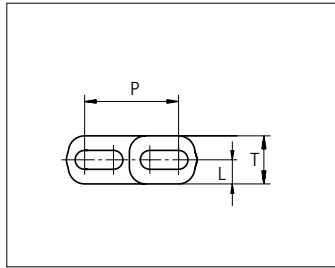
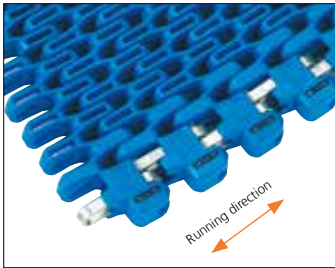
uni Flex SNB CR R1.6
 Surface Opening: 47%



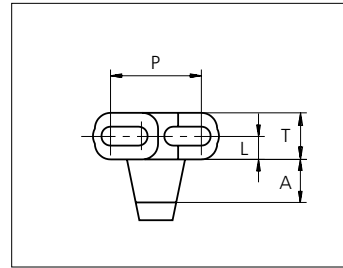
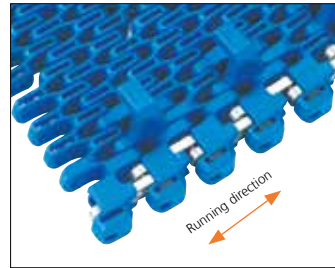
uni Flex SNB C R2.3
 Surface Opening: 47%



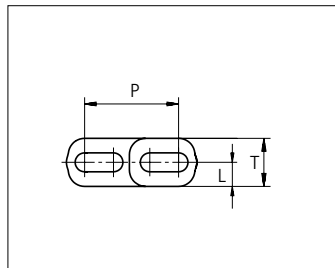
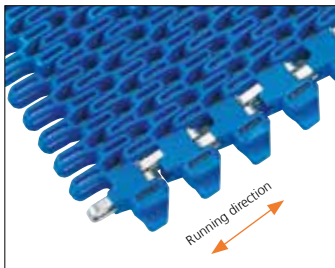
uni Flex SNB L R2.3
 Surface Opening: 55%



uni Flex SNB W R2.3
 Surface Opening: 55%



uni Flex SNB WT R2.3
 Surface Opening: 55%

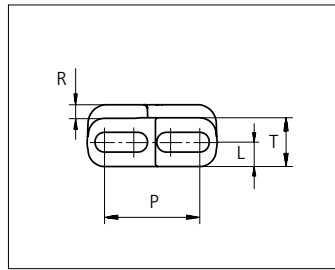
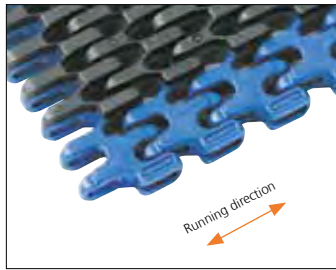


uni Flex SNB WO R2.3
 Surface Opening: 55%

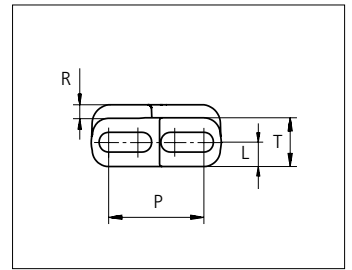
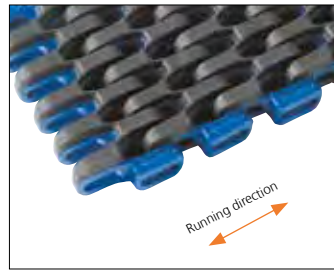
	mm	in		mm	in
P (Nominal)	25.4	1.00	L	6.5	0.26
A	12.0	0.47	T	13.0	0.51

STANDARD
 SIDE FLEXING
 PITCH 25.4 MM/1.00 IN

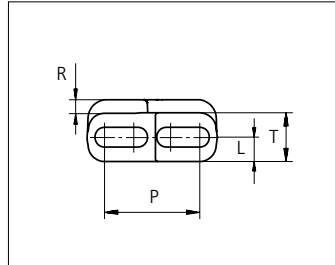
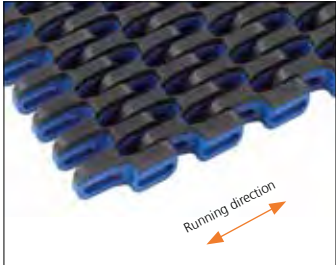




uni Flex SNB CR Rubber Top R1.6
Surface Opening: 47%



uni Flex SNB CI Rubber Top R2.3
Surface Opening: 47%



uni Flex SNB C Rubber Top R2.3
Surface Opening: 47%

	mm	in		mm	in
P (Nominal)	25.4	1.00	R	3.0	0.12
L	6.5	0.26	T	13.0	0.51

Indent uni Flex SNB CR Rubber Top R1.6 is 26.5 mm (1.04 in). uni Flex SNB CI Rubber Top R2.3 is 7.0 mm (0.28 in). uni Flex SNB C Rubber Top R2.3 is available without indent.

Type	Belt materials and colors	Pin materials and colors
uni Flex SNB CR R1.6 uni Flex SNB C R2.3 uni Flex SNB L R2.3*	POM-D B W PP B W PA6.6 B W	PBT LG
uni Flex SNB C R2.3	POM-D B W	SS304
uni Flex SNB W	PP B W	
uni Flex SNB WO	PA6.6 B W	
uni Flex SNB WT	PA6.6 B W	SS304 PBT LG
uni Flex SNB CR Rubber Top R1.6 uni Flex SNB CI Rubber Top R2.3 uni Flex SNB CI Rubber Top R2.3	PP B W + 03 K PP B W + 03 N	PBT LG

Standard materials and colors

Lockingplates PP **W B**

Wearpart and O-Tab PA6.6 **W B**

For high speed or load abrasive applications:

Wearpart and O-Tab POM-DK **N**

Non standard material and color: See uni Material and Color Overview.

Alternative pin materials: PA6.6 **B N**

uni Flex SNB CR R1.6

Belt width		Permissible tensile force (Belt/pin material)												Belt weight (Belt/pin material)						*Min No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-D/PBT				PP/PBT				PA6.6/PBT				POM-D /PBT		PP/PBT		PA6.6/PBT			**Carry (pcs)	**Return (pcs)
		Straight sections		Curve sections		Straight sections		Curve sections		Straight sections		Curve sections										
mm	in	N	lbf	N	lbf	N	lbf	N	lbf	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft	kg/m	lb/ft			
76	3.0	2280	513	600	135	1140	256	600	135	2280	513	600	135	0.6	0.39	0.4	0.28	0.5	0.33	2	2	2
152	6.0	4561	1025	600	135	2281	513	600	135	4561	1025	600	135	1.2	0.79	0.8	0.55	1.0	0.65	2	2	2
228	9.0	6842	1538	600	135	3421	769	600	135	6842	1538	600	135	1.8	1.18	1.2	0.83	1.5	0.98	2	2	2
304	12.0	9124	2051	600	135	4562	1025	600	135	9124	2051	600	135	2.3	1.57	1.6	1.10	1.9	1.31	3	3	2
380	15.0	11405	2564	600	135	5702	1282	600	135	11405	2564	600	135	2.9	1.97	2.1	1.38	2.4	1.64	3	3	2
456	18.0	13686	3077	600	135	6843	1538	600	135	13686	3077	600	135	3.5	2.36	2.5	1.66	2.9	1.96	5	4	2
532	21.0	15967	3589	600	135	7984	1795	600	135	15967	3589	600	135	4.1	2.75	2.9	1.93	3.4	2.29	5	4	2
608	23.9	18248	4102	600	135	9124	2051	600	135	18248	4102	600	135	4.7	3.15	3.3	2.21	3.9	2.62	5	5	3
684	26.9	20530	4615	600	135	10265	2308	600	135	20530	4615	600	135	5.3	3.54	3.7	2.48	4.4	2.94	5	5	3
760	29.9	22811	5128	600	135	11405	2564	600	135	22811	5128	600	135	5.9	3.93	4.1	2.76	4.9	3.27	7	6	3
836	32.9	25092	5641	600	135	12546	2820	600	135	25092	5641	600	135	6.4	4.33	4.5	3.04	5.4	3.60	7	6	3
912	35.9	27373	6153	600	135	13687	3077	600	135	27373	6153	600	135	7.0	4.72	4.9	3.31	5.8	3.92	7	7	4
988	38.9	29654	6666	600	135	14827	3333	600	135	29654	6666	600	135	7.6	5.12	5.3	3.59	6.3	4.25	7	7	4

Additional standard belt widths are available in steps of 76.0 mm (2.99 in) Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in)

1597	62.9	47910	10770	600	135	23955	5385	600	135	47910	10770	600	135	12.3	8.26	8.6	5.80	10.2	6.87	11	11	6
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Additional standard belt widths are available in steps of 76.0 mm (2.99 in) Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in)

1977	77.8	59310	13333	600	135	29655	6666	600	135	59310	13333	600	135	15.2	10.23	10.7	7.17	12.7	8.50	15	14	7
------	------	-------	-------	-----	-----	-------	------	-----	-----	-------	-------	-----	-----	------	-------	------	------	------	------	----	----	---

General belt tolerance is +0/-0.4% at 23°C/73°F. For exact belt width contact Customer Service. Non standard belt width on request.

Flex SNB-CR locked with wearpart or O-tabs both sides are 6 mm wider than the dimensions in the table above.

*Max. Load per Drive Sprocket. Belt material: POM-D 1000 N (225 lbf), PP 850 N (191 lbf), PA6.6 1000 N (225 lbf)

**Max. Spacing between wear strips, Carry: 152 mm (6 in); Return: 304 mm (12 in)

uni Flex SNB C R2.3 / uni Flex SNB L R2.3

Belt width		Permissible tensile force (Belt/pin material)												Belt weight (Belt/pin material)						*Min No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-D/PBT				PP/PBT				PA6.6/PBT				PP/PBT		PA6.6/PBT		**Carry (pcs)	**Return (pcs)			
		Straight sections		Curve sections		Straight sections		Curve sections		Straight sections		Curve sections										
mm	in	N	lbf	N	lbf	N	lbf	N	lbf	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft	kg/m	lb/ft			
76	3.0	2280	513	1000	225	1140	256	600	135	2280	513	1000	225	0.5	0.35	0.4	0.25	0.4	0.30	2	2	2
152	6.0	4561	1025	1000	225	2281	513	600	135	4561	1025	1000	225	1.0	0.71	0.7	0.49	0.9	0.59	2	2	2
228	9.0	6842	1538	1000	225	3421	769	600	135	6842	1538	1000	225	1.6	1.06	1.1	0.74	1.3	0.89	2	2	2
304	12.0	9124	2051	1000	225	4562	1025	600	135	9124	2051	1000	225	2.1	1.41	1.5	0.98	1.8	1.19	3	3	2
380	15.0	11405	2564	1000	225	5702	1282	600	135	11405	2564	1000	225	2.6	1.76	1.8	1.23	2.2	1.48	3	3	2
456	18.0	13686	3077	1000	225	6843	1538	600	135	13686	3077	1000	225	3.1	2.12	2.2	1.47	2.6	1.78	5	4	2
532	21.0	15967	3589	1000	225	7984	1795	600	135	15967	3589	1000	225	3.7	2.47	2.6	1.72	3.1	2.07	5	4	2
608	23.9	18248	4102	1000	225	9124	2051	600	135	18248	4102	1000	225	4.2	2.82	2.9	1.96	3.5	2.37	5	5	3
684	26.9	20530	4615	1000	225	10265	2308	600	135	20530	4615	1000	225	4.7	3.17	3.3	2.21	4.0	2.67	5	5	3
760	29.9	22811	5128	1000	225	11405	2564	600	135	22811	5128	1000	225	5.2	3.53	3.6	2.45	4.4	2.96	7	6	3
836	32.9	25092	5641	1000	225	12546	2820	600	135	25092	5641	1000	225	5.8	3.88	4.0	2.70	4.9	3.26	7	6	3
912	35.9	27373	6153	1000	225	13687	3077	600	135	27373	6153	1000	225	6.3	4.23	4.4	2.94	5.3	3.56	7	7	4
988	38.9	29654	6666	1000	225	14827	3333	600	135	29654	6666	1000	225	6.8	4.58	4.7	3.19	5.7	3.85	7	7	4

Additional standard belt widths are available in steps of 76.0 mm (2.99 in) Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in)

1597	62.9	47910	10770	1000	225	23955	5385	600	135	47910	10770	1000	225	11.0	7.41	7.7	5.15	9.3	6.22	11	11	6
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Additional standard belt widths are available in steps of 76.0 mm (2.99 in) Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in)

1977	77.8	59310	13333	1000	225	29655	6666	600	135	59310	13333	1000	225	13.6	9.17	9.5	6.38	11.5	7.71	15	14	7
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General belt tolerance is +0/-0.4% at 23°C/73°F. For exact belt width contact Customer Service. Non standard belt width on request.

Flex SNB-L locked with wearpart or O-tabs both sides are 6 mm wider than the dimensions in the table above.

*Max. Load per Drive Sprocket. Belt material: POM-D 1000 N (225 lbf), PP 850 N (191 lbf), PA6.6 1000 N (225 lbf)

**Max. Spacing between wear strips, Carry: 152 mm (6 in); Return: 304 mm (12 in)

uni Flex SNB W R2.3 / uni Flex SNB WO R2.3

Belt width		Permissible tensile force (Belt/pin material)												Belt weight (Belt/pin material)						*Min No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-D/SS +Reinforcement links				POM-D/SS +Reinforcement links				POM-D/SS +Reinforcement links				SS+ Reinforcement links		SS+ Reinforcement links		SS+ Reinforcement links			**Carry (pcs)	**Return (pcs)
		Straight sections		Curve sections		Straight sections		Curve sections		Straight sections		Curve sections		links		links		links				
mm	in	N	lbf	N	lbf	N	lbf	N	lbf	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft	kg/m	lb/ft			
82	3.2	2460	553	3300	742	1230	277	3300	742	2460	553	3300	742	1.0	0.67	0.8	0.55	0.9	0.61	2	2	2
158	6.2	4741	1066	3300	742	2371	533	3300	742	4741	1066	3300	742	1.9	1.29	1.6	1.06	1.7	1.17	2	2	2
234	9.2	7022	1579	3300	742	3511	789	3300	742	7022	1579	3300	742	2.8	1.90	2.3	1.57	2.6	1.73	2	2	2
310	12.2	9304	2091	3300	742	4652	1046	3300	742	9304	2091	3300	742	3.8	2.52	3.1	2.08	3.4	2.29	3	3	2
386	15.2	11585	2604	3300	742	5792	1302	3300	742	11585	2604	3300	742	4.7	3.14	3.9	2.60	4.2	2.85	3	3	2
462	18.2	13866	3117	3300	742	6933	1559	3300	742	13866	3117	3300	742	5.6	3.76	4.6	3.11	5.1	3.42	5	4	2
538	21.2	16147	3630	3300	742	8074	1815	3300	742	16147	3630	3300	742	6.5	4.38	5.4	3.62	5.9	3.98	5	4	2
614	24.2	18428	4143	3300	742	9214	2071	3300	742	18428	4143	3300	742	7.4	5.00	6.1	4.13	6.8	4.54	5	5	3
690	27.2	20710	4656	3300	742	10355	2328	3300	742	20710	4656	3300	742	8.4	5.61	6.9	4.64	7.6	5.10	5	5	3
766	30.2	22991	5168	3300	742	11495	2584	3300	742	22991	5168	3300	742	9.3	6.23	7.7	5.15	8.4	5.67	7	6	3
842	33.2	25272	5681	3300	742	12636	2841	3300	742	25272	5681	3300	742	10.2	6.85	8.4	5.66	9.3	6.23	7	6	3
918	36.2	27553	6194	3300	742	13777	3097	3300	742	27553	6194	3300	742	11.1	7.47	9.2	6.17	10.1	6.79	7	7	4
994	39.2	29834	6707	3300	742	14917	3353	3300	742	29834	6707	3300	742	12.0	8.09	9.9	6.68	10.9	7.35	7	7	4
Additional standard belt widths are available in steps of 76.0 mm (2.99 in) Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in)																						
1603	63.1	48090	10811	3300	742	24045	5405	3300	742	48090	10811	3300	742	19.4	13.04	16.0	10.77	17.6	11.85	11	11	6
Additional standard belt widths are available in steps of 76.0 mm (2.99 in) Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in)																						
1983	78.1	59490	13373	3300	742	29745	6687	3300	742	59490	13373	3300	742	24.0	16.13	19.8	13.33	21.8	14.66	15	14	7

General belt tolerance is +0/-0.4% at 23°C/73°F. For exact belt width contact Customer Service. Non standard belt width on request.

Outer modules are always in PA6.6 on belts wider than 234 mm (9.21 in).

Belts up to 234 mm (9.21 in) in width is only available in PA6.6.

*Max. Load per Drive Sprocket. Belt material: POM-D 1000 N (225 lbf), PP 850 N (191 lbf), PA6.6 1000 N (225 lbf).

**Max. Spacing between wear strips, Carry: 152 mm (6 in); Return: 304 mm (12 in).

uni Flex SNB WT R2.3 – PBT pins

Belt width		Permissible tensile force (Belt/pin material)												Belt weight (Belt/pin material)						*Min No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-D/PBT				PP/PBT				PA6.6/PBT				POM-D/PBT		PP/PBT		PA6.6/PBT			**Carry (pcs)	**Return (pcs)
		Straight sections		Curve sections		Straight sections		Curve sections		Straight sections		Curve sections		links		links		links				
mm	in	N	lbf	N	lbf	N	lbf	N	lbf	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft	kg/m	lb/ft			
82	3.2	2460	553	1000	225	1230	277	1000	225	2460	553	1000	225	0.6	0.38	0.4	0.26	0.5	0.32	2	2	2
158	6.2	4741	1066	1000	225	2371	533	1000	225	4741	1066	1000	225	1.1	0.73	0.8	0.51	0.9	0.62	2	2	2
234	9.2	7022	1579	1000	225	3511	789	1000	225	7022	1579	1000	225	1.6	1.09	1.1	0.76	1.4	0.91	2	2	2
310	12.2	9304	2091	1000	225	4652	1046	1000	225	9304	2091	1000	225	2.1	1.44	1.5	1.00	1.8	1.21	3	3	2
386	15.2	11585	2604	1000	225	5792	1302	1000	225	11585	2604	1000	225	2.7	1.79	1.9	1.25	2.2	1.51	3	3	2
462	18.2	13866	3117	1000	225	6933	1559	1000	225	13866	3117	1000	225	3.2	2.14	2.2	1.49	2.7	1.80	5	4	2
538	21.2	16147	3630	1000	225	8074	1815	1000	225	16147	3630	1000	225	3.7	2.50	2.6	1.74	3.1	2.10	5	4	2
614	24.2	18428	4143	1000	225	9214	2071	1000	225	18428	4143	1000	225	4.2	2.85	2.9	1.98	3.6	2.39	5	5	3
690	27.2	20710	4656	1000	225	10355	2328	1000	225	20710	4656	1000	225	4.8	3.20	3.3	2.23	4.0	2.69	5	5	3
766	30.2	22991	5168	1000	225	11495	2584	1000	225	22991	5168	1000	225	5.3	3.55	3.7	2.47	4.4	2.99	7	6	3
842	33.2	25272	5681	1000	225	12636	2841	1000	225	25272	5681	1000	225	5.8	3.91	4.0	2.72	4.9	3.28	7	6	3
918	36.2	27553	6194	1000	225	13777	3097	1000	225	27553	6194	1000	225	6.3	4.26	4.4	2.96	5.3	3.58	7	7	4
994	39.2	29834	6707	1000	225	14917	3353	1000	225	29834	6707	1000	225	6.9	4.61	4.8	3.21	5.8	3.88	7	7	4
Additional standard belt widths are available in steps of 76.0 mm (2.99 in) Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in)																						
1603	63.1	48090	10811	1000	225	24045	5405	1000	225	48090	10811	1000	225	11.1	7.43	7.7	5.17	9.3	6.25	11	11	6
Additional standard belt widths are available in steps of 76.0 mm (2.99 in) Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in)																						
1983	78.1	59490	13373	1000	225	29745	6687	1000	225	59490	13373	1000	225	13.7	9.20	9.5	6.40	11.5	7.73	15	14	7

General belt tolerance is +0/-0.4% at 23°C/73°F. For exact belt width contact Customer Service. Non standard belt width on request.

Outer modules are always in PA6.6 on belts wider than 234 mm (9.21 in).

Belts up to 234 mm (9.21 in) in width is only available in PA6.6.

*Max. Load per Drive Sprocket. Belt material: POM-D 1000 N (225 lbf), PP 850 N (191 lbf), PA6.6 1000 N (225 lbf).

**Max. Spacing between wear strips, Carry: 152 mm (6 in); Return: 304 mm (12 in).

uni Flex SNB WT R2.3 – SS pins

Belt width		Permissible tensile force (Belt/pin material)												Belt weight (Belt/pin material)						*Min No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-D/SS +Reinforcement links				PP/SS +Reinforcement links				PA6.6/SS +Reinforcement links				SS+ Rein- forcement links		SS+ Rein- forcement links		SS+ Rein- forcement links			**Carry (pcs)	**Return (pcs)
		Straight sections		Curve sections		Straight sections		Curve sections		Straight sections		Curve sections		kg/m	lb/ft	kg/m	lb/ft	kg/m	lb/ft			
mm	in	N	lbf	N	lbf	N	lbf	N	lbf	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft	kg/m	lb/ft			
82	3.2	2460	553	3300	742	1230	277	3300	742	2460	553	3300	742	1.0	0.67	0.8	0.55	0.9	0.61	2	2	2
158	6.2	4741	1066	3300	742	2371	533	3300	742	4741	1066	3300	742	1.9	1.29	1.6	1.06	1.7	1.17	2	2	2
234	9.2	7022	1579	3300	742	3511	789	3300	742	7022	1579	3300	742	2.8	1.90	2.3	1.57	2.6	1.73	2	2	2
310	12.2	9304	2091	3300	742	4652	1046	3300	742	9304	2091	3300	742	3.8	2.52	3.1	2.08	3.4	2.29	3	3	2
386	15.2	11585	2604	3300	742	5792	1302	3300	742	11585	2604	3300	742	4.7	3.14	3.9	2.60	4.2	2.85	3	3	2
462	18.2	13866	3117	3300	742	6933	1559	3300	742	13866	3117	3300	742	5.6	3.76	4.6	3.11	5.1	3.42	5	4	2
538	21.2	16147	3630	3300	742	8074	1815	3300	742	16147	3630	3300	742	6.5	4.38	5.4	3.62	5.9	3.98	5	4	2
614	24.2	18428	4143	3300	742	9214	2071	3300	742	18428	4143	3300	742	7.4	5.00	6.1	4.13	6.8	4.54	5	5	3
690	27.2	20710	4656	3300	742	10355	2328	3300	742	20710	4656	3300	742	8.4	5.61	6.9	4.64	7.6	5.10	5	5	3
766	30.2	22991	5168	3300	742	11495	2584	3300	742	22991	5168	3300	742	9.3	6.23	7.7	5.15	8.4	5.67	7	6	3
842	33.2	25272	5681	3300	742	12636	2841	3300	742	25272	5681	3300	742	10.2	6.85	8.4	5.66	9.3	6.23	7	6	3
918	36.2	27553	6194	3300	742	13777	3097	3300	742	27553	6194	3300	742	11.1	7.47	9.2	6.17	10.1	6.79	7	7	4
994	39.2	29834	6707	3300	742	14917	3353	3300	742	29834	6707	3300	742	12.0	8.09	9.9	6.68	10.9	7.35	7	7	4

Additional standard belt widths are available in steps of 76.0 mm (2.99 in) Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in).

1603	63.1	48090	10811	3300	742	24045	5405	3300	742	48090	10811	3300	742	19.4	13.04	16.0	10.77	17.6	11.85	11	11	6
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Additional standard belt widths are available in steps of 76.0 mm (2.99 in) Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in).

1983	78.1	59490	13373	3300	742	29745	6687	3300	742	59490	13373	3300	742	24.0	16.13	19.8	13.33	21.8	14.66	15	14	7
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General belt tolerance is +0/-0.4% at 23°C/73°F. For exact belt width contact Customer Service. Non standard belt width on request.

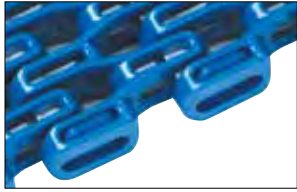
Outer modules are always in PA6.6 on belts wider than 234 mm (9.21 in).

Belts up to 234 mm (9.21 in) in width is only available in PA6.6.

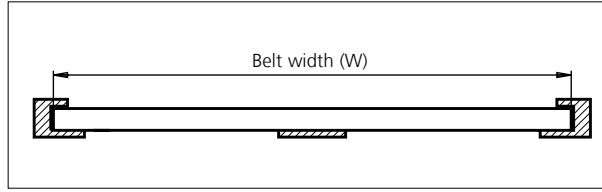
*Max. Load per Drive Sprocket. Belt material: POM-D 1000 N (225 lbf), PP 850 N (191 lbf), PA6.6 1000 N (225 lbf).

**Max. Spacing between wear strips, Carry: 152 mm (6 in); Return: 304 mm (12 in).

Belt Tracking and Control Systems



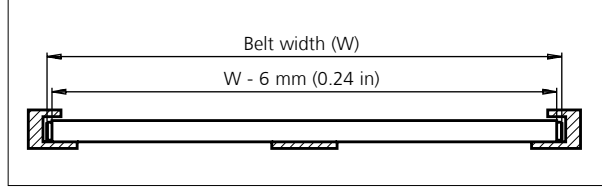
uni Flex SNB L R2.3
Standard



Basic belt types can be combined with the belt tracking and control systems below to enhance performance. Basic belt types can be combined with the belt tracking and control systems below to enhance performance.



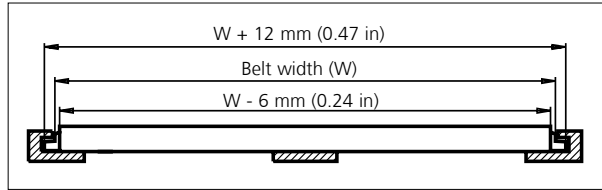
Wearpart



Wearpart system made of heat and wear resistant nylon to reduce the friction between belt edge and wearstrip. Only this part needs to be replaced when it has been worn out, not the entire belt.



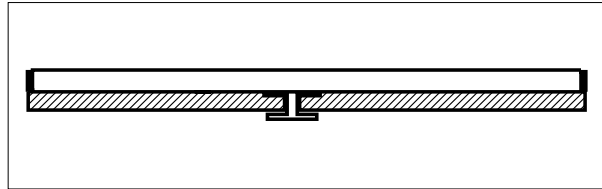
O-Tab



Outer edge tab system made of heat and wear resistant nylon to reduce the friction between belt edge and wearstrip. Using a slotted wear-strip, the O-Tab will track the belt and allow the conveyed products to be wider than the belt.
Height of O-Tab: 6.4 mm (0.25 in)
Height of slot: 8.0 mm (0.31 in)



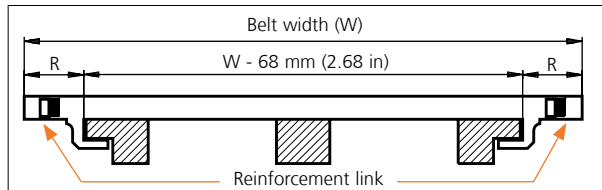
I-Tab



Intermediate tabs (I-Tab) are placed on the bottom side of the belt to hold it down on incline conveyors. The intermediate tabs will fit anywhere across the belt bottom and at pitch multiples of 12.7 mm (0.50 in).



S-Tab



Side tab (S-Tab) for holding the belt down. Normally used for wide belts. With S-Tabs, Ammerral Beltech modular A/S recommend that the radial forces in the curve are transferred by the inside edge of the belt – similar to uni Flex SNB L and uni Flex SNB W.
R = 34.0 mm (1.34 in).

Type	Belt tracking and control combination			
	Wearpart	O-Tab	S-Tab	I-Tab
uni Flex SNB L R2.3	+	+	-	+
uni Flex SNB C R1.6	+	+	-	-
uni Flex SNB CR R2.3	+	+	-	-
uni Flex SNB W R2.3	✓	-	-	+
uni Flex SNB WT R2.3	-	-	✓	+
uni Flex SNB WO R2.3	-	✓	-	+

When using S-Tabs, please verify sufficient clearance to the shaft. Max. shaft diameter = Sprocket pitch diameter - 50.8 mm (2.00 in).

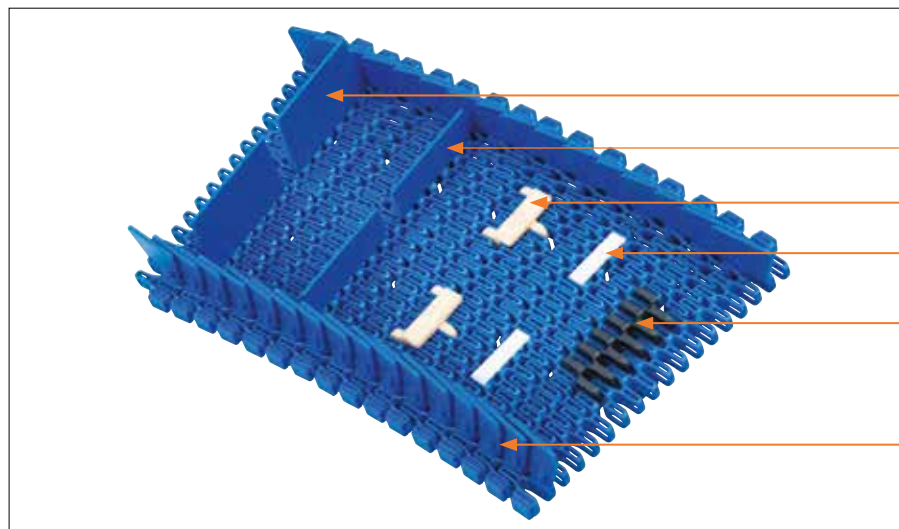
When using square shafts, please verify that the diagonal does not exceed max. diameter.

Example: Sprocket z = 10: Max. shaft diameter 82.2 - 50.8 = \varnothing 31 mm (3.24 - 2.00 = \varnothing 1.2 in).

✓ Standard + Optional

- Unavailable

Accessories



- Click on Flight 50.8 mm (2.00 in)
- Click on Flight 25.4 mm (1.00 in)
- Rubber Support: Made-To-Order
- Click on Flight Low: Made-To-Order
- Rubber Top
- Side Guard

Accessories

Side Guard / Standard

Type	Belt material & color	Height	
		mm	in
Side Guard	PP-I B W	30.0	1.18

Accessories

Flight / Standard

Type	Belt material & color	Link size	Height		Width	
			mm	in	mm	in
Flat	PA6.6 B W	K300	25.4	1.00	75.9	2.99
	PP B W		50.8	2.00	75.9	2.99

Support / MTO

Type	Support material & color	H		Width		Length	
		mm	in	mm	in	mm	in
Rubber Support	01 N	4.0	0.16	43.0	1.69	14.0	0.55
Click on Flight Low	POM-D W	4.0	0.16	42.0	1.65	10.5	0.41

Accessories

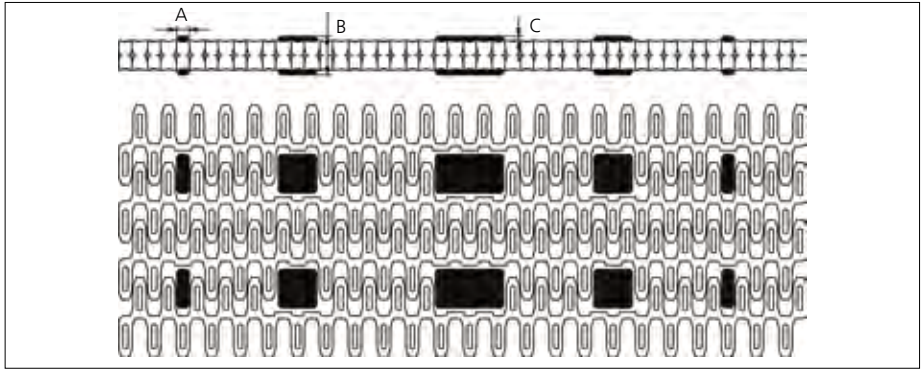
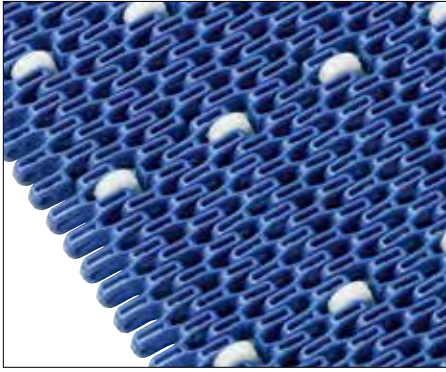
Minimum Indents (I)

Type	Rubber Top				Side Guard				Click on Flights without Side Guard				Click on Flights with Side Guard			
	Left		Right		Left		Right		Left		Right		Left		Right	
	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in
uni Flex SNB CR R1.6	26.5	1.04	26.5	1.04	-	-	-	-	-	-	-	-	-	-	-	-
uni Flex SNB L R2.3	-	-	-	-	23.0	0.91	17.0	0.67	10.0	0.39	16.0	0.63	26.0	1.02	32.0	1.26
uni Flex SNB C R2.3	6.5	0.26	6.5	0.26	-	-	-	-	-	-	-	-	-	-	-	-
uni Flex SNB W R2.3	75.9	2.99	75.9	2.99	38.0	1.50	32.0	1.26	38.0	1.50	32.0	1.26	54.0	2.13	48.0	1.89
uni Flex SNB WO R2.3	75.9	2.99	75.9	2.99	38.0	1.50	32.0	1.26	38.0	1.50	32.0	1.26	54.0	2.13	48.0	1.89
uni Flex SNB WT R2.3*	75.9	2.99	75.9	2.99	63.0	2.48	58.0	2.28	38.0	1.50	32.0	1.26	79.0	3.11	74.0	2.91
uni Flex SNB WT R2.3**	75.9	2.99	75.9	2.99	63.0	2.48	58.0	2.28	51.0	2.01	45.0	1.77	79.0	3.11	74.0	2.91

* Even distance between Click on Flight rows

** Odd distance between Click on Flight rows

Made-To-Order Selection



uni Flex SNB with Rollers
 ø17 x 5.5 mm (ø0.67 x 0.22 in)

Made-To-Order Materials: POM-D, PP, PA6.6 and Roller Material POM-D.
 Non standard Roller material and color: See uni Material and Color view.

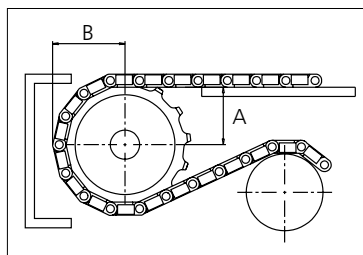
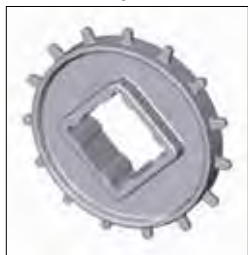
Type	Roller material & color	A		B		C	
		mm	in	mm	in	mm	in
Plastic	POM-D W	5.5	0.22	17.0	0.67	2.0	0.08
		17.0	0.67				
		30.0	1.18				

Sprocket

No. of teeth	Pilot Bore	Bore size												Overall diameter		Pitch diameter		Hub diameter		Dimension A		Dimension B		Single row/Two way	Double row/Two way	Molded	Machined
		in	0.75	0.79	0.98	1.00	1.18	1.25	1.50	1.57	2.36	2.50	3.54														
		mm	19.1	20.0	25.0	25.4	30.0	31.8	38.1	40.0	60.0	63.5	90.0	mm	in	mm	in	mm	in	mm	in						
Z09	x			■	●	●						73.8	2.91	74.3	2.93	56.8	2.24	28.4	1.12	43.5	1.71	x		x			
Z10	x			■	●	●		●				82.2	3.24	82.2	3.24	65.2	2.57	32.6	1.28	47.5	1.87	x		x			
Z12	x				●	●	●	■	●			98.8	3.89	98.1	3.86	70.0	2.76	40.9	1.61	55.5	2.19	x		x			
Z15	x				●	●	●	■	●	●		123.5	4.86	122.2	4.81	70.0	2.76	53.2	2.09	67.5	2.66	x		x			
Z18	x					●	●	●	■	●	●	148.1	5.83	146.3	5.76	70.0	2.76	65.5	2.58	79.6	3.13	x		x			
Z19	x					●	●	●	■	●	●	156.2	6.15	154.3	6.07	70.0	2.76	69.6	2.74	83.6	3.29	x		x			

■ Molded sprocket

● Molded sprocket



Non standard material and color: See uni Material and Color Overview.

Other sprocket sizes are available upon request
 Two-part sprocket are available upon request
 Other bore sizes are available upon request
 uni Retainer Rings: See uni Retainer Ring data sheet
 Width of tooth = 4.0 mm (0.16 in)
 Width of sprocket = 30.0 mm (1.18 in)

Max. load per sprocket shown does not take bore size into account.
 Please also ensure that sufficient size shaft is chosen for corresponding load.
 For correct sprocket position: See uni Assembly Instructions for uni Flex ASB.
 For more detailed sprocket information, contact Customer Service.



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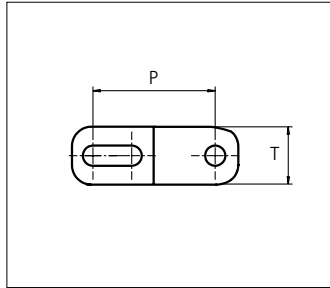
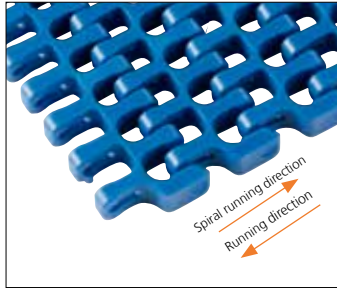
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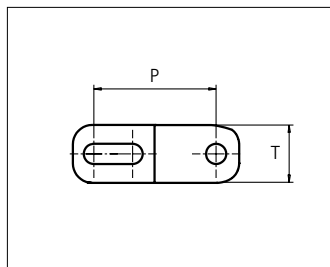
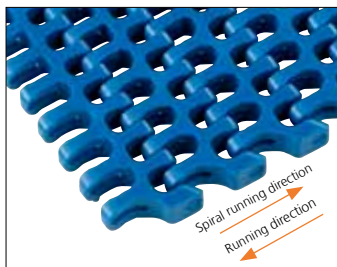
Plastic Modular Belt

Series uni Flex ASB

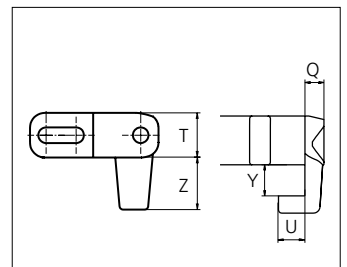
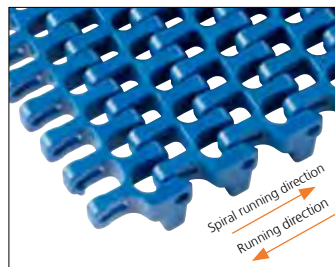


Sideflexing belt
 Nominal pitch: 25.4 mm (1.00 in)
 Surface type: Flat
 Surface opening: 43%
 Backflex radius: 25.0 mm (0.98 in)
 Pin diameter: 4.0 mm (0.16 in)
 Min. inside radius: R1.6 x belt width, R2.2 x belt width
 Curved surface makes perfect circle when Z9 tooth sprocket or 95 mm (3.74 in) flex diameter is applied.

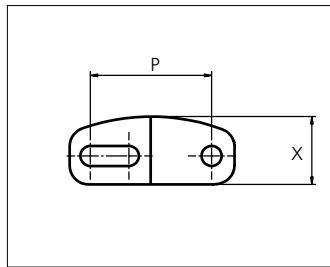
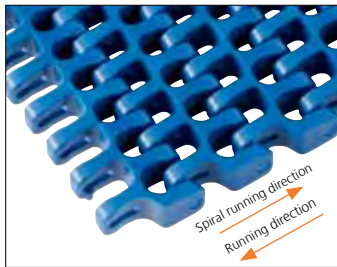
43% Open Radius 1.6



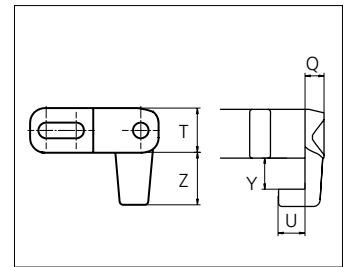
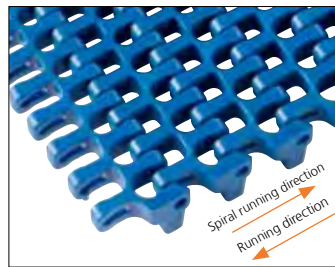
43% Open Radius 2.2



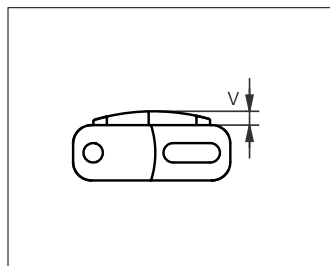
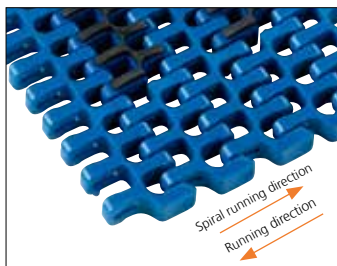
43% Open Tab Radius 2.2



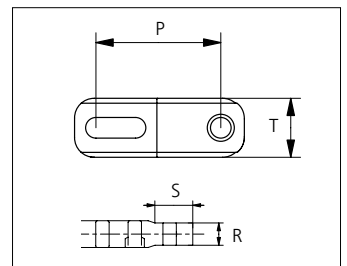
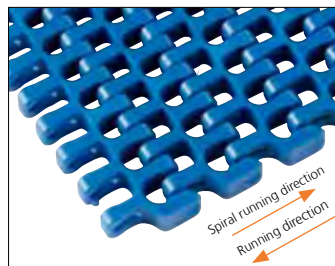
43% Open Curved Surface Radius 2.2



43% Open Curved Surface Tab Radius 2.2



43% Open Rubber Top Radius 2.2



43% Open Edge Radius 2.2

Min. indent for Rubber Top inside and outside in the belt is 44.0 mm (1.73 in).

	mm	in		mm	in		mm	in		mm	in
P (Nominal)	25.4	1.00	S	16.0	0.63	V	3.0	0.12	Z	14.0	0.55
Q	5.5	0.22	T	12.0	0.47	X	14.2	0.56	-	-	-
R	10.0	0.39	U	7.5	0.30	Y	9.0	0.35	-	-	-



STANDARD
SIDE FLEXING
PITCH 25.4 MM/1.00 IN

Type	Belt materials and colors	Standars pin materials and colors
43% Open Radius 1.6	POM-D B	PA6.6 B
43% Open Radius 2.2	POM-D B W	
	PP B W G	
43% Open Tab Radius 1.6	POM-D B W	
	PP B W	
43% Open Curved Surface Radius 2.2	POM-D B W	
43% Open Tab Curved Surface Radius 2.2	POM-D B W	
43% Open Rubber Top Radius 2.2	PP B + 03 K	
	PP W + 03 N	
43% Open Edge Radius 2.2	POM-D B	
	PP B	

Non standard material and color: See uni Material and Color Overview.

Alternative pin and lock materials:

✂ Snap Pin A2: PP **W** PBT **LG** PA6.6 **B**

Belt width		Permissible tensile force (Belt/pin material)								Belt weight (Belt/pin material)				*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-D/PA6.6				PP/PA6.6				POM-D/PA6.6		PP/PA6.6			**Carry (pcs)	**Return (pcs)
		Straight sections		Curve sections		Straight sections		Curve sections		kg/m	lb/ft	kg/m	lb/ft			
mm	in	N	lbf	N	lbf	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft			
149	5.9	2801	630	1200	270	1863	419	720	162	1.2	0.82	0.8	0.52	2	2	2
226	8.9	4249	955	1200	270	2825	635	720	162	1.9	1.25	1.2	0.79	2	2	2
302	11.9	5678	1276	1200	270	3775	849	720	162	2.5	1.66	1.6	1.06	3	3	2
379	14.9	7125	1602	1200	270	4738	1065	720	162	3.1	2.09	2.0	1.32	3	3	2
455	17.9	8554	1923	1200	270	5688	1279	720	162	3.7	2.51	2.4	1.59	5	4	2
531	20.9	9983	2244	1600	360	6638	1492	960	216	4.4	2.93	2.8	1.86	5	4	2
608	23.9	11430	2570	1600	360	7600	1708	960	216	5.0	3.35	3.2	2.12	5	5	3
531	20.9	9983	2244	2040	459	6638	1492	1224	275	4.4	2.93	2.8	1.86	5	4	2
608	23.9	11430	2570	2040	459	7600	1708	1224	275	5.0	3.35	3.2	2.12	5	5	3
684	26.9	12859	2891	2040	459	8550	1922	1224	275	5.6	3.77	3.6	2.39	5	5	3
761	30.0	14307	3216	2040	459	9513	2138	1224	275	6.2	4.19	4.0	2.66	7	6	3
837	33.0	15736	3537	2040	459	10463	2352	1224	275	6.9	4.61	4.4	2.93	7	6	3

Additional standard belt widths are available in steps of 76.4 mm (3.01 in). Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in).

1449	57.0	27241	6124	2040	459	18113	4072	1224	275	11.9	7.99	7.5	5.06	11	10	5
------	------	-------	------	------	-----	-------	------	------	-----	------	------	-----	------	----	----	---

Additional standard belt widths are available in steps of 76.4 mm (3.01 in). Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in).


1984	78.1	37299	8385	2040	459	24800	5575	1224	275	16.3	10.93	10.3	6.93	15	14	7
------	------	-------	------	------	-----	-------	------	------	-----	------	-------	------	------	----	----	---

General belt tolerance is +0/-0.4% at 23°C/73°F. For exact belt width contact Customer Service. Non standard belt width on request.

*Max. Load per Drive Sprocket. Belt material: POM-D 2000 N (450 lbf), PP 1100 N (247 lbf).

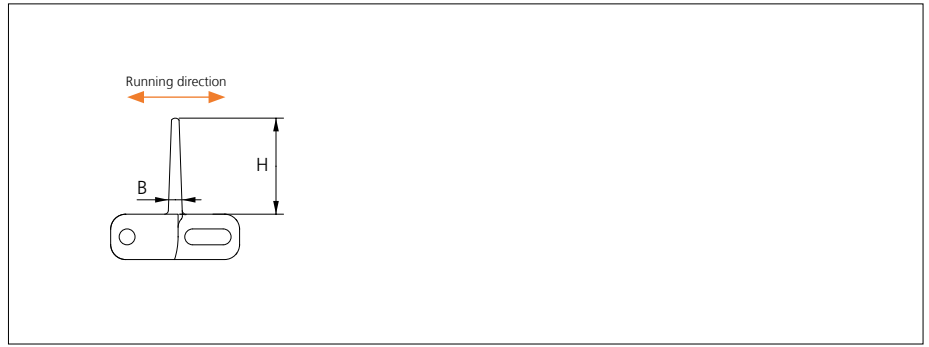
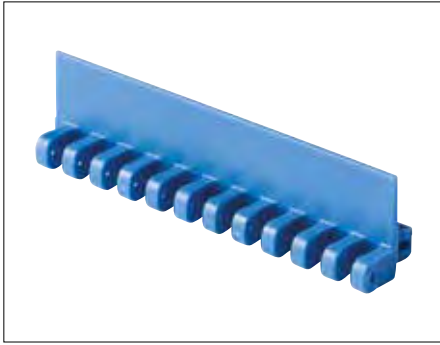
**Max. Spacing between wear strips, Carry: 152 mm (6 in); Return: 304 mm (12 in).

Max. Belt width with Flex ASB R1.6: 1296 mm (51.0 in).

 = Single Link

Accessories

Flight



Type	Flight Material & color	B		H		Link size	Width		I (min)	
		mm	in	mm	in		mm	in	mm	in
Flat	POM-D B W	3.7	0.15	25.4	1.00	K600	151.0	5.94	38.1	1.50

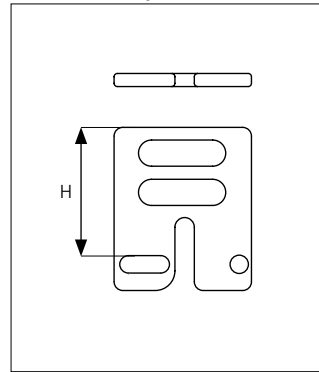
Non Standard material and color: See uni Material and Color Overview.

Accessories

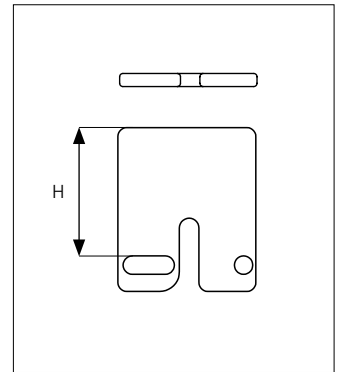
Side Guard



Side Guard Open



Side Guard

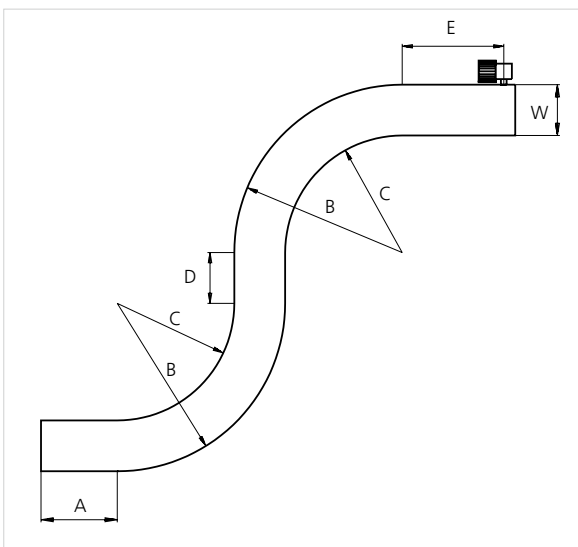


Type	Side Guard Material & color	H	
		mm	in
Side Guard Side Guard Open	POM-D B W	25.4	1.00

Min. indent for Side Guard is: 44.0 mm (1.73 in) and Increment 25.4 mm (1.00 in)

Non Standard material and color: See uni Material and Color Overview.

Design Guidelines



	43% Open Radius 2.2 43% Open Tab Radius 2.2 43% Open Curved Surface Radius 2.2 43% Open Curved Surface Tab Radius 2.2	uni Flex ASB 43% Open Radius 1.6
A	min 1.5 x W	min 1.5 x W
B	min 3.2 x W	min 2.6 x W
C	min 2.2 x W	min 1.6 x W
D	min 2 x W	
E	min 2 x W, min	
W	Belt width	

uni Flex ASB 43% Open Radius 1.6 can not be used in conveyors with both left and right turning curves. All curves have to turn in the same direction.

For min. conveyor dimensions please refer to sketch and diagram.

Accessories

Non Standard uni AmFlight



Other Non Standard option: See uni AmFlight Overview.

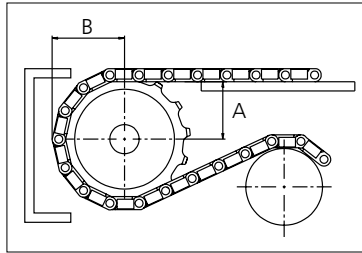
Sprocket

No. of teeth	Bore size												Overall diameter		Pitch diameter		Hub diameter		Dimension A		Dimension B		Single row/Two way	Double row/Two way	Molded	Machined
	Pilot Bore																									
	in	mm	19.1	20.0	25.0	25.4	30.0	31.8	38.1	40.0	60.0	63.5	90.0	mm	in	mm	in	mm	in	mm	in	mm	in	PA6 LG	PA6 N	
Z07	x			●	●	●	●						58.0	2.28	58.5	2.30	40.8	1.61	20.4	0.80	35.2	1.39	x	x		
Z09	x			●	●	●	●						75.0	2.95	74.3	2.93	57.8	2.28	28.9	1.14	43.1	1.70	x	x		
Z12	x			●	●	●	●	■					100.0	3.94	98.1	3.86	82.8	3.26	41.4	1.63	55.1	2.17	x	x		
Z15	x				●	●	●	■	●	■			124.6	4.91	122.2	4.81	107.4	4.23	53.8	2.12	67.1	2.64	x	x		
Z18	x					●	●	●	●	■	■		149.3	5.88	146.3	5.76	132.1	5.20	66.0	2.60	79.2	3.12	x	x		

■ Machined sprocket



● Machined sprocket



Non standard material and color: See uni Material and Color Overview.

Other sprocket sizes are available upon request

Two-part sprocket are available upon request

Other bore sizes are available upon request

uni Retainer Rings: See uni Retainer Ring data sheet

Width of tooth = 7.0 mm (0.28 in)

Width of sprocket = 30.0 mm (1.18 in)

Max. load per sprocket shown does not take bore size into account.

Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni Flex ASB.

For more detailed sprocket information, contact Customer Service.

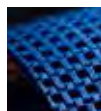
uni Flex ASB/1409



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Seamless Belts



Modular Belts



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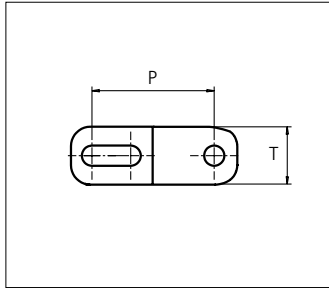
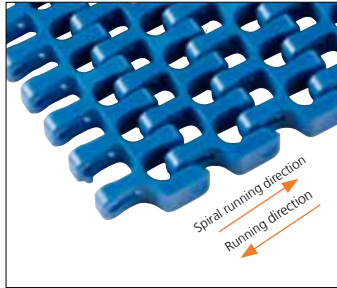
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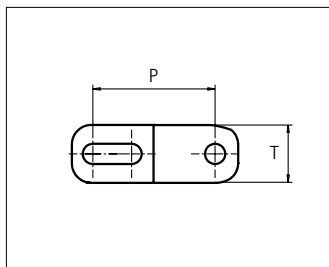
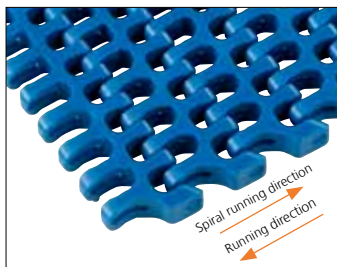
Plastic Modular Belt

Series uni Flex ASB

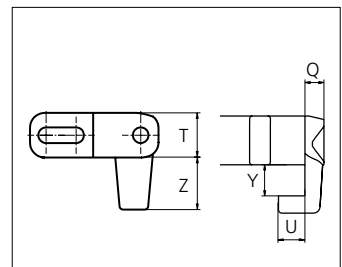
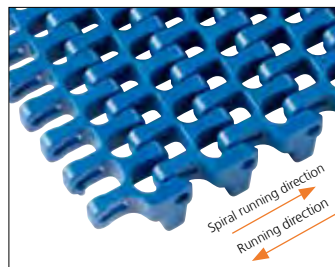


Sideflexing belt
 Nominal pitch: 25.4 mm (1.00 in)
 Surface type: Flat
 Surface opening: 43%
 Backflex radius: 25.0 mm (0.98 in)
 Pin diameter: 4.0 mm (0.16 in)
 Min. inside radius: R1.6 x belt width, R2.2 x belt width
 Curved surface makes perfect circle when Z9 tooth sprocket or 95 mm (3.74 in) flex diameter is applied.

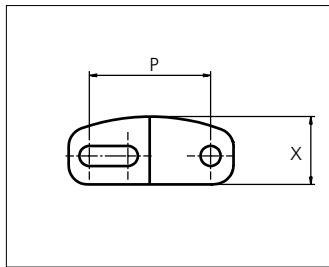
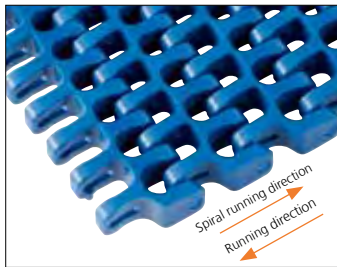
43% Open Radius 1.6



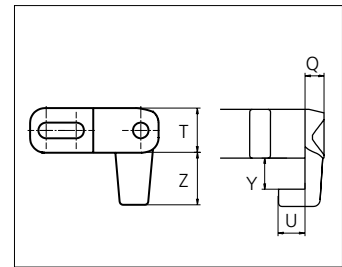
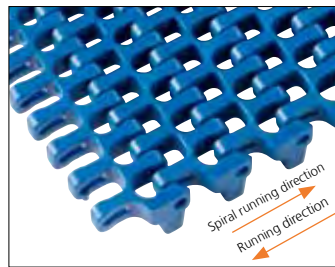
43% Open Radius 2.2



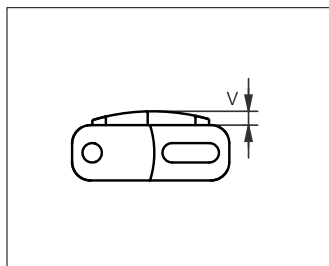
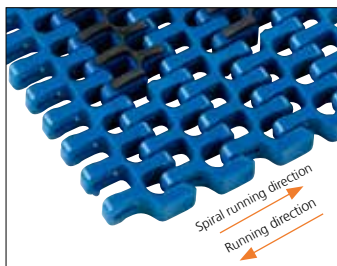
43% Open Tab Radius 2.2



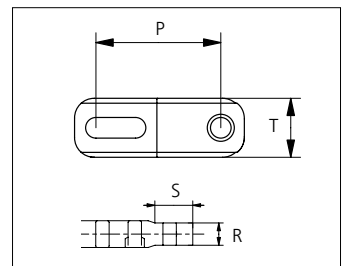
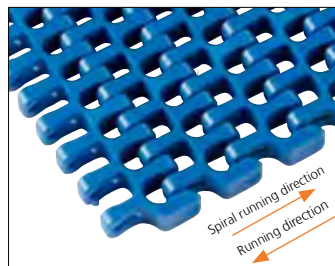
43% Open Curved Surface Radius 2.2



43% Open Curved Surface Tab Radius 2.2



43% Open Rubber Top Radius 2.2



43% Open Edge Radius 2.2

Min. indent for Rubber Top inside and outside in the belt is 44.0 mm (1.73 in).

	mm	in		mm	in		mm	in		mm	in
P (Nominal)	25.4	1.00	S	16.0	0.63	V	3.0	0.12	Z	14.0	0.55
Q	5.5	0.22	T	12.0	0.47	X	14.2	0.56	-	-	-
R	10.0	0.39	U	7.5	0.30	Y	9.0	0.35	-	-	-



STANDARD
SIDE FLEXING
PITCH 25.4 MM/1.00 IN

Type	Belt materials and colors	Standars pin materials and colors
43% Open Radius 1.6	POM-D B	PA6.6 B
43% Open Radius 2.2	POM-D B W	
	PP B W G	
43% Open Tab Radius 1.6	POM-D B W	
	PP B W	
43% Open Curved Surface Radius 2.2	POM-D B W	
43% Open Tab Curved Surface Radius 2.2	POM-D B W	
43% Open Rubber Top Radius 2.2	PP B + 03 K	
	PP W + 03 N	
43% Open Edge Radius 2.2	POM-D B	
	PP B	

Non standard material and color: See uni Material and Color Overview.

Alternative pin and lock materials:

✂ Snap Pin A2: PP **W** PBT **LG** PA6.6 **B**

Belt width		Permissible tensile force (Belt/pin material)								Belt weight (Belt/pin material)				*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-D/PA6.6				PP/PA6.6				POM-D/PA6.6		PP/PA6.6			**Carry (pcs)	**Return (pcs)
		Straight sections		Curve sections		Straight sections		Curve sections		kg/m	lb/ft	kg/m	lb/ft			
mm	in	N	lbf	N	lbf	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft			
149	5.9	2801	630	1200	270	1863	419	720	162	1.2	0.82	0.8	0.52	2	2	2
226	8.9	4249	955	1200	270	2825	635	720	162	1.9	1.25	1.2	0.79	2	2	2
302	11.9	5678	1276	1200	270	3775	849	720	162	2.5	1.66	1.6	1.06	3	3	2
379	14.9	7125	1602	1200	270	4738	1065	720	162	3.1	2.09	2.0	1.32	3	3	2
455	17.9	8554	1923	1200	270	5688	1279	720	162	3.7	2.51	2.4	1.59	5	4	2
531	20.9	9983	2244	1600	360	6638	1492	960	216	4.4	2.93	2.8	1.86	5	4	2
608	23.9	11430	2570	1600	360	7600	1708	960	216	5.0	3.35	3.2	2.12	5	5	3
531	20.9	9983	2244	2040	459	6638	1492	1224	275	4.4	2.93	2.8	1.86	5	4	2
608	23.9	11430	2570	2040	459	7600	1708	1224	275	5.0	3.35	3.2	2.12	5	5	3
684	26.9	12859	2891	2040	459	8550	1922	1224	275	5.6	3.77	3.6	2.39	5	5	3
761	30.0	14307	3216	2040	459	9513	2138	1224	275	6.2	4.19	4.0	2.66	7	6	3
837	33.0	15736	3537	2040	459	10463	2352	1224	275	6.9	4.61	4.4	2.93	7	6	3
1449	57.0	27241	6124	2040	459	18113	4072	1224	275	11.9	7.99	7.5	5.06	11	10	5
1984	78.1	37299	8385	2040	459	24800	5575	1224	275	16.3	10.93	10.3	6.93	15	14	7

Additional standard belt widths are available in steps of 76.4 mm (3.01 in). Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in).

Additional standard belt widths are available in steps of 76.4 mm (3.01 in). Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in).

General belt tolerance is +0/-0.4% at 23°C/73°F. For exact belt width contact Customer Service. Non standard belt width on request.

*Max. Load per Drive Sprocket. Belt material: POM-D 2000 N (450 lbf), PP 1100 N (247 lbf).

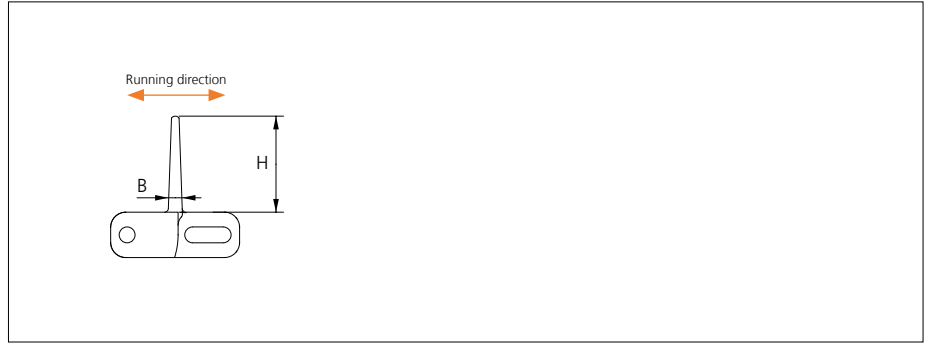
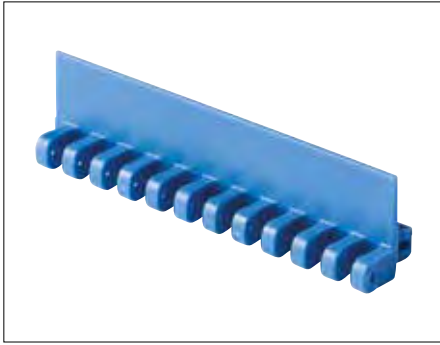
**Max. Spacing between wear strips, Carry: 152 mm (6 in); Return: 304 mm (12 in).

Max. Belt width with Flex ASB R1.6: 1296 mm (51.0 in).

☐ = Single Link

Accessories

Flight



Type	Flight Material & color	B		H		Link size	Width		I (min)	
		mm	in	mm	in		mm	in	mm	in
Flat	POM-D B W	3.7	0.15	25.4	1.00	K600	151.0	5.94	38.1	1.50

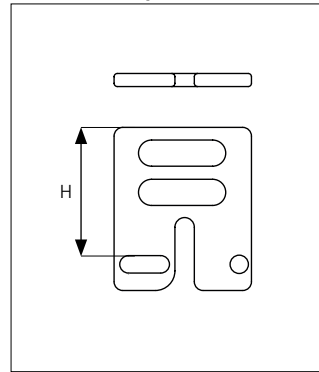
Non Standard material and color: See uni Material and Color Overview.

Accessories

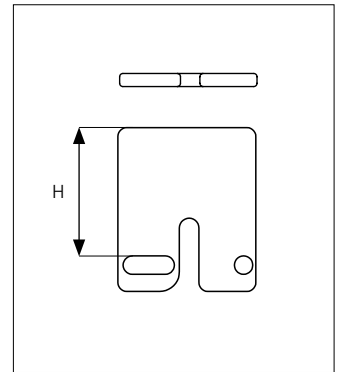
Side Guard



Side Guard Open



Side Guard

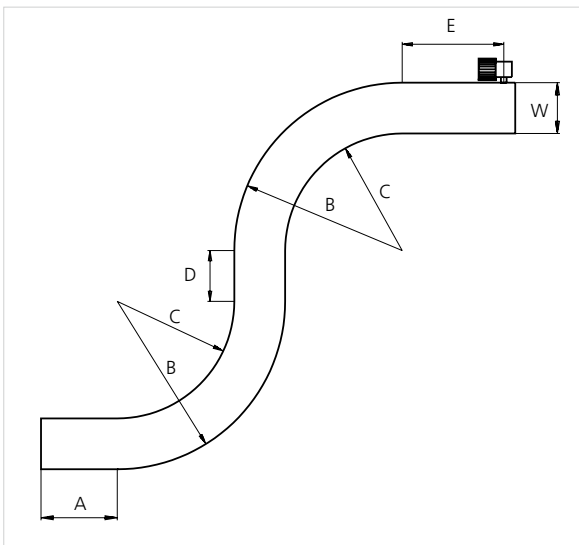


Type	Side Guard Material & color	H	
		mm	in
Side Guard Side Guard Open	POM-D B W	25.4	1.00

Min. indent for Side Guard is: 44.0 mm (1.73 in) and Increment 25.4 mm (1.00 in)

Non Standard material and color: See uni Material and Color Overview.

Design Guidelines



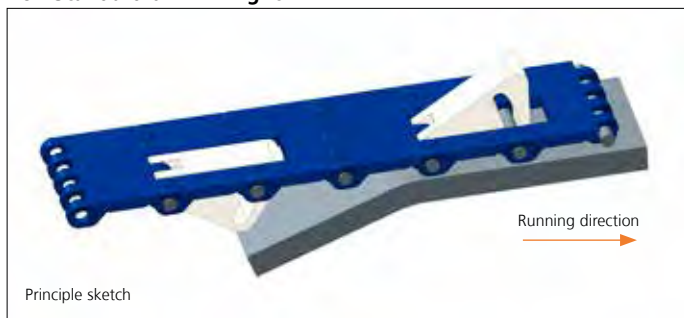
	43% Open Radius 2.2 43% Open Tab Radius 2.2 43% Open Curved Surface Radius 2.2 43% Open Curved Surface Tab Radius 2.2	uni Flex ASB 43% Open Radius 1.6
A	min 1.5 x W	min 1.5 x W
B	min 3.2 x W	min 2.6 x W
C	min 2.2 x W	min 1.6 x W
D	min 2 x W	
E	min 2 x W, min	
W	Belt width	

uni Flex ASB 43% Open Radius 1.6 can not be used in conveyors with both left and right turning curves. All curves have to turn in the same direction.

For min. conveyor dimensions please refer to sketch and diagram.

Accessories

Non Standard uni AmFlight



Other Non Standard option: See uni AmFlight Overview.

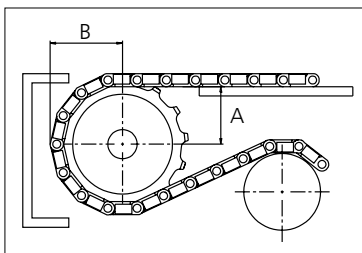
Sprocket

No. of teeth	Bore size												Overall diameter		Pitch diameter		Hub diameter		Dimension A		Dimension B		Single row/Two way	Double row/Two way	Molded	Machined
	Pilot Bore																									
	in	mm	19.1	20.0	25.0	25.4	30.0	31.8	38.1	40.0	60.0	63.5	90.0	mm	in	mm	in	mm	in	mm	in	mm	in	PA6 LG	PA6 N	
Z07	x		●	●	●	●							58.0	2.28	58.5	2.30	40.8	1.61	20.4	0.80	35.2	1.39	x	x		
Z09	x			●	●	●	●						75.0	2.95	74.3	2.93	57.8	2.28	28.9	1.14	43.1	1.70	x	x		
Z12	x			●	●	●	●	■					100.0	3.94	98.1	3.86	82.8	3.26	41.4	1.63	55.1	2.17	x	x		
Z15	x				●	●	●	■	●	■			124.6	4.91	122.2	4.81	107.4	4.23	53.8	2.12	67.1	2.64	x	x		
Z18	x					●	●	●	●	■	■		149.3	5.88	146.3	5.76	132.1	5.20	66.0	2.60	79.2	3.12	x	x		

■ Machined sprocket



● Machined sprocket



Non standard material and color: See uni Material and Color Overview.

Other sprocket sizes are available upon request

Two-part sprocket are available upon request

Other bore sizes are available upon request

uni Retainer Rings: See uni Retainer Ring data sheet

Width of tooth = 7.0 mm (0.28 in)

Width of sprocket = 30.0 mm (1.18 in)

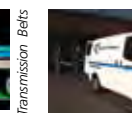
Max. load per sprocket shown does not take bore size into account.

Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni Flex ASB.

For more detailed sprocket information, contact Customer Service.

uni Flex ASB/1409



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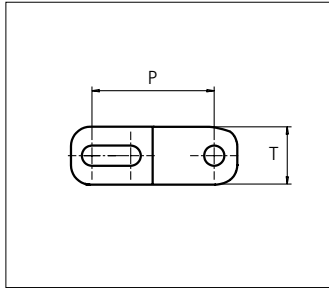
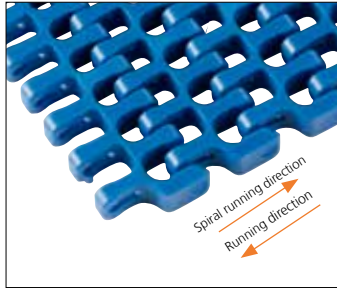
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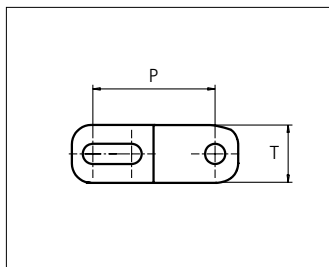
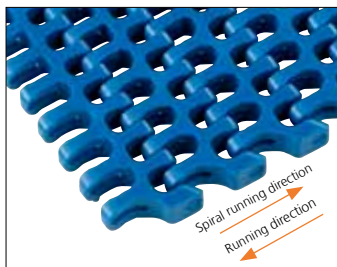
Plastic Modular Belt

Series uni Flex ASB

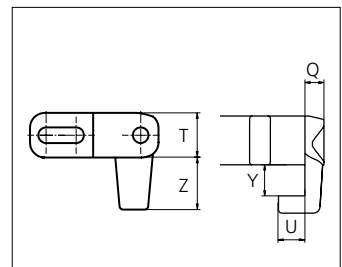
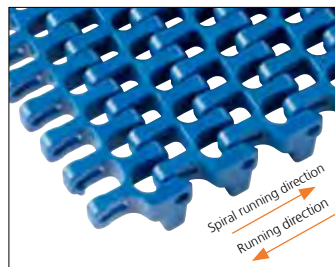


Sideflexing belt
 Nominal pitch: 25.4 mm (1.00 in)
 Surface type: Flat
 Surface opening: 43%
 Backflex radius: 25.0 mm (0.98 in)
 Pin diameter: 4.0 mm (0.16 in)
 Min. inside radius: R1.6 x belt width, R2.2 x belt width
 Curved surface makes perfect circle when Z9 tooth sprocket or 95 mm (3.74 in) flex diameter is applied.

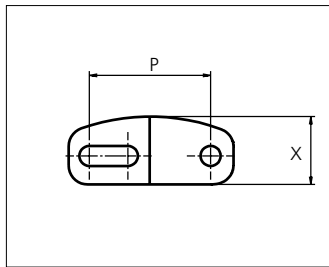
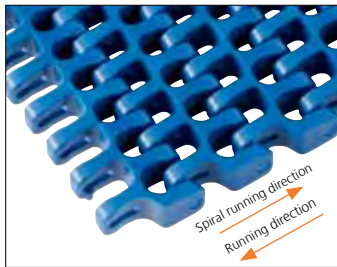
43% Open Radius 1.6



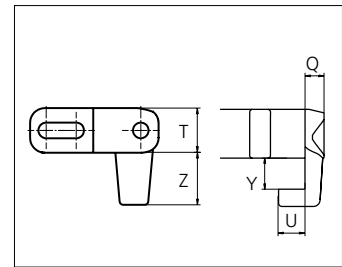
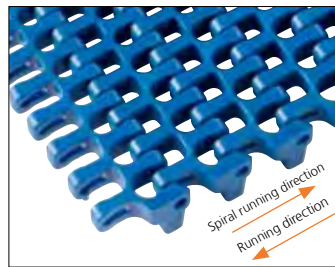
43% Open Radius 2.2



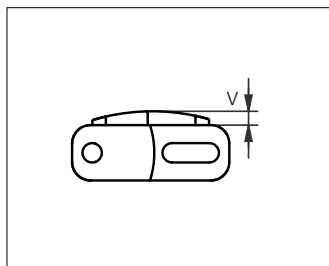
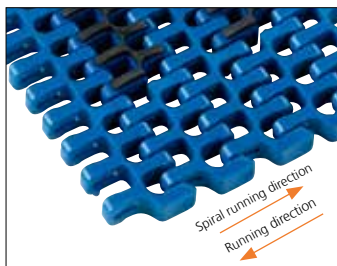
43% Open Tab Radius 2.2



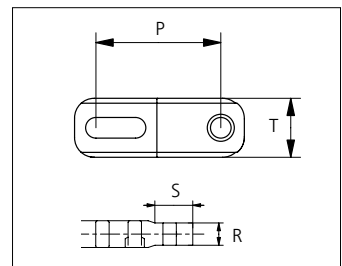
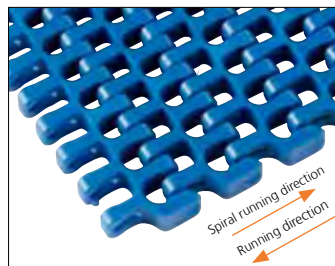
43% Open Curved Surface Radius 2.2



43% Open Curved Surface Tab Radius 2.2



43% Open Rubber Top Radius 2.2



43% Open Edge Radius 2.2

Min. indent for Rubber Top inside and outside in the belt is 44.0 mm (1.73 in).

	mm	in		mm	in		mm	in		mm	in
P (Nominal)	25.4	1.00	S	16.0	0.63	V	3.0	0.12	Z	14.0	0.55
Q	5.5	0.22	T	12.0	0.47	X	14.2	0.56	-	-	-
R	10.0	0.39	U	7.5	0.30	Y	9.0	0.35	-	-	-



STANDARD
SIDE FLEXING
PITCH 25.4 MM/1.00 IN

Type	Belt materials and colors	Standars pin materials and colors
43% Open Radius 1.6	POM-D B	PA6.6 B
43% Open Radius 2.2	POM-D B W	
	PP B W G	
43% Open Tab Radius 1.6	POM-D B W	
	PP B W	
43% Open Curved Surface Radius 2.2	POM-D B W	
43% Open Tab Curved Surface Radius 2.2	POM-D B W	
43% Open Rubber Top Radius 2.2	PP B + 03 K	
	PP W + 03 N	
43% Open Edge Radius 2.2	POM-D B	
	PP B	

Non standard material and color: See uni Material and Color Overview.

Alternative pin and lock materials:

✂ Snap Pin A2: PP **W** PBT **LG** PA6.6 **B**

Belt width		Permissible tensile force (Belt/pin material)								Belt weight (Belt/pin material)				*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-D/PA6.6				PP/PA6.6				POM-D/PA6.6		PP/PA6.6			**Carry (pcs)	**Return (pcs)
		Straight sections		Curve sections		Straight sections		Curve sections		kg/m	lb/ft	kg/m	lb/ft			
mm	in	N	lbf	N	lbf	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft			
149	5.9	2801	630	1200	270	1863	419	720	162	1.2	0.82	0.8	0.52	2	2	2
226	8.9	4249	955	1200	270	2825	635	720	162	1.9	1.25	1.2	0.79	2	2	2
302	11.9	5678	1276	1200	270	3775	849	720	162	2.5	1.66	1.6	1.06	3	3	2
379	14.9	7125	1602	1200	270	4738	1065	720	162	3.1	2.09	2.0	1.32	3	3	2
455	17.9	8554	1923	1200	270	5688	1279	720	162	3.7	2.51	2.4	1.59	5	4	2
531	20.9	9983	2244	1600	360	6638	1492	960	216	4.4	2.93	2.8	1.86	5	4	2
608	23.9	11430	2570	1600	360	7600	1708	960	216	5.0	3.35	3.2	2.12	5	5	3
531	20.9	9983	2244	2040	459	6638	1492	1224	275	4.4	2.93	2.8	1.86	5	4	2
608	23.9	11430	2570	2040	459	7600	1708	1224	275	5.0	3.35	3.2	2.12	5	5	3
684	26.9	12859	2891	2040	459	8550	1922	1224	275	5.6	3.77	3.6	2.39	5	5	3
761	30.0	14307	3216	2040	459	9513	2138	1224	275	6.2	4.19	4.0	2.66	7	6	3
837	33.0	15736	3537	2040	459	10463	2352	1224	275	6.9	4.61	4.4	2.93	7	6	3

Additional standard belt widths are available in steps of 76.4 mm (3.01 in). Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in).

1449	57.0	27241	6124	2040	459	18113	4072	1224	275	11.9	7.99	7.5	5.06	11	10	5
------	------	-------	------	------	-----	-------	------	------	-----	------	------	-----	------	----	----	---

Additional standard belt widths are available in steps of 76.4 mm (3.01 in). Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in).


1984	78.1	37299	8385	2040	459	24800	5575	1224	275	16.3	10.93	10.3	6.93	15	14	7
------	------	-------	------	------	-----	-------	------	------	-----	------	-------	------	------	----	----	---

General belt tolerance is +0/-0.4% at 23°C/73°F. For exact belt width contact Customer Service. Non standard belt width on request.

*Max. Load per Drive Sprocket. Belt material: POM-D 2000 N (450 lbf), PP 1100 N (247 lbf).

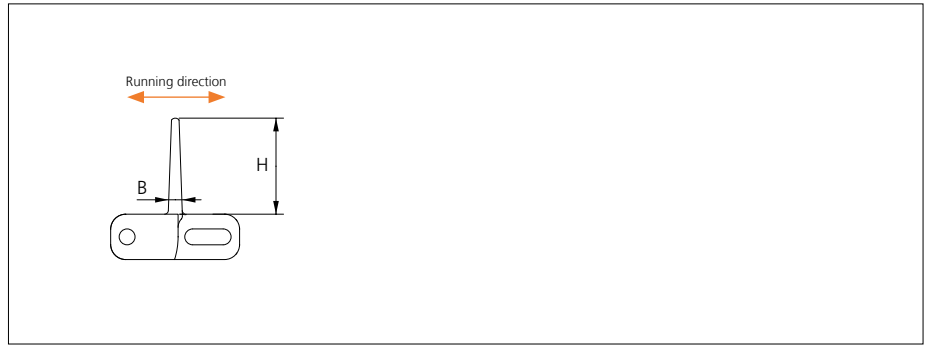
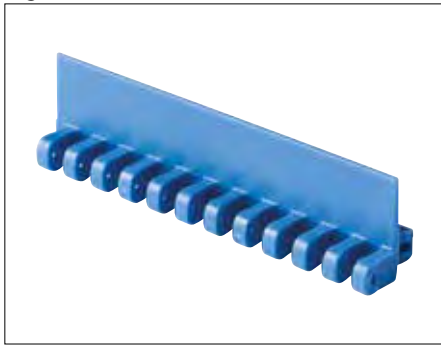
**Max. Spacing between wear strips, Carry: 152 mm (6 in); Return: 304 mm (12 in).

Max. Belt width with Flex ASB R1.6: 1296 mm (51.0 in).

 = Single Link

Accessories

Flight



Type	Flight Material & color	B		H		Link size	Width		I (min)	
		mm	in	mm	in		mm	in	mm	in
Flat	POM-D B W	3.7	0.15	25.4	1.00	K600	151.0	5.94	38.1	1.50

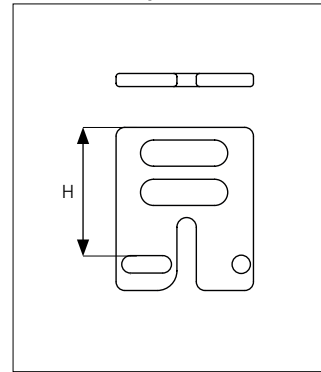
Non Standard material and color: See uni Material and Color Overview.

Accessories

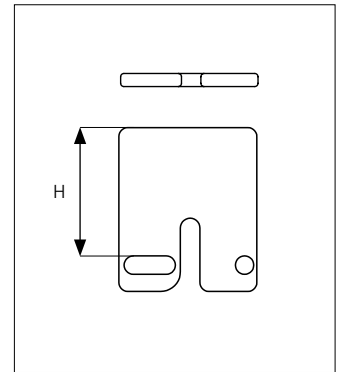
Side Guard



Side Guard Open



Side Guard

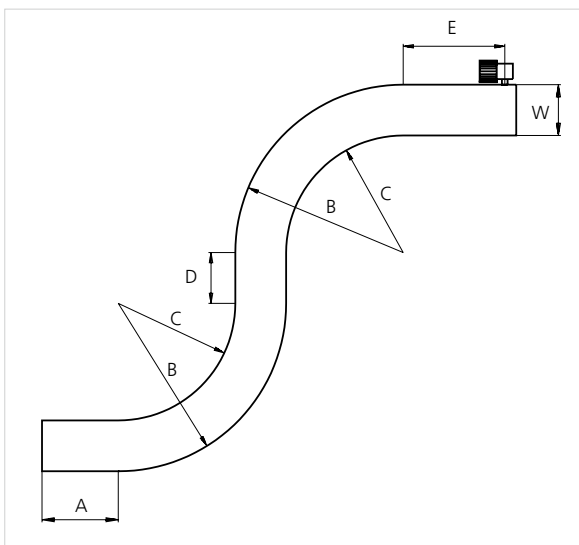


Type	Side Guard Material & color	H	
		mm	in
Side Guard Side Guard Open	POM-D B W	25.4	1.00

Min. indent for Side Guard is: 44.0 mm (1.73 in) and Increment 25.4 mm (1.00 in)

Non Standard material and color: See uni Material and Color Overview.

Design Guidelines



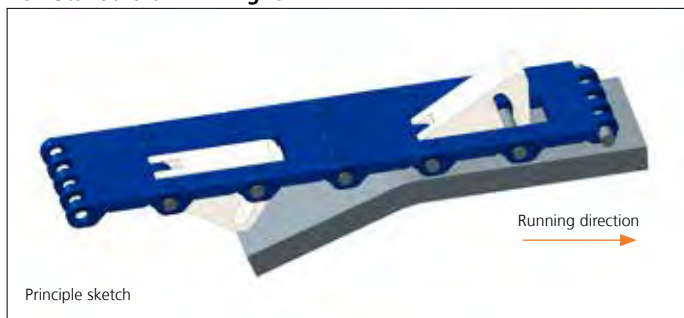
	43% Open Radius 2.2 43% Open Tab Radius 2.2 43% Open Curved Surface Radius 2.2 43% Open Curved Surface Tab Radius 2.2	uni Flex ASB 43% Open Radius 1.6
A	min 1.5 x W	min 1.5 x W
B	min 3.2 x W	min 2.6 x W
C	min 2.2 x W	min 1.6 x W
D	min 2 x W	
E	min 2 x W, min	
W	Belt width	

uni Flex ASB 43% Open Radius 1.6 can not be used in conveyors with both left and right turning curves. All curves have to turn in the same direction.

For min. conveyor dimensions please refer to sketch and diagram.

Accessories

Non Standard uni AmFlight



Other Non Standard option: See uni AmFlight Overview.

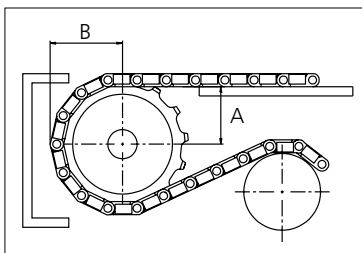
Sprocket

No. of teeth	Bore size												Overall diameter		Pitch diameter		Hub diameter		Dimension A		Dimension B		Single row/Two way	Double row/Two way	Molded	Machined
	Pilot Bore																									
	in	mm	0.75	0.79	0.98	1.00	1.18	1.25	1.50	1.57	2.36	2.50	3.54	mm	in	mm	in	mm	in	mm	in	PA6 LG	PA6 N			
Z07	x		●	●	●	●							58.0	2.28	58.5	2.30	40.8	1.61	20.4	0.80	35.2	1.39	x	x		
Z09	x			●	●	●	●						75.0	2.95	74.3	2.93	57.8	2.28	28.9	1.14	43.1	1.70	x	x		
Z12	x			●	●	●	●	■					100.0	3.94	98.1	3.86	82.8	3.26	41.4	1.63	55.1	2.17	x	x		
Z15	x				●	●	●	■	●	■			124.6	4.91	122.2	4.81	107.4	4.23	53.8	2.12	67.1	2.64	x	x		
Z18	x					●	●	●	●	■	■		149.3	5.88	146.3	5.76	132.1	5.20	66.0	2.60	79.2	3.12	x	x		

■ Machined sprocket



● Machined sprocket



Non standard material and color: See uni Material and Color Overview.

Other sprocket sizes are available upon request

Two-part sprocket are available upon request

Other bore sizes are available upon request

uni Retainer Rings: See uni Retainer Ring data sheet

Width of tooth = 7.0 mm (0.28 in)

Width of sprocket = 30.0 mm (1.18 in)

Max. load per sprocket shown does not take bore size into account.

Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni Flex ASB.

For more detailed sprocket information, contact Customer Service.

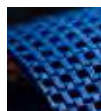
uni Flex ASB/1409



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Seamless Belts



Modular Belts



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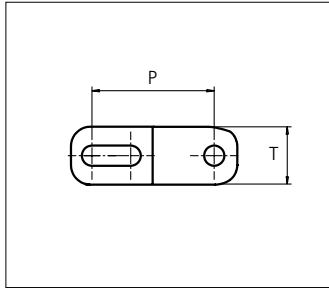
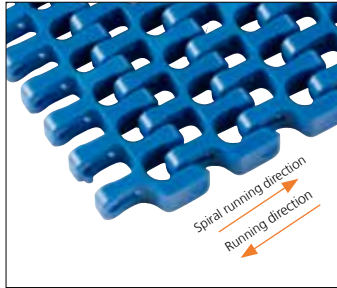
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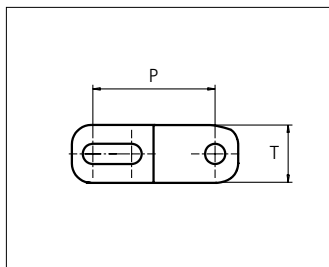
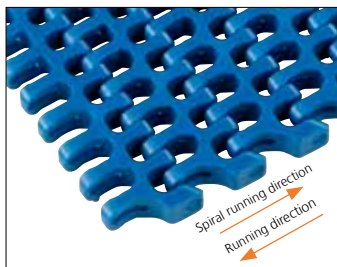
Plastic Modular Belt

Series uni Flex ASB

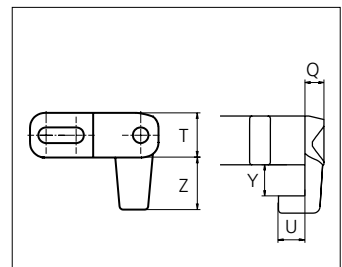
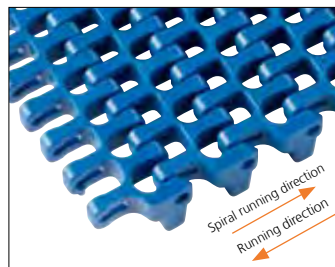


Sideflexing belt
 Nominal pitch: 25.4 mm (1.00 in)
 Surface type: Flat
 Surface opening: 43%
 Backflex radius: 25.0 mm (0.98 in)
 Pin diameter: 4.0 mm (0.16 in)
 Min. inside radius: R1.6 x belt width, R2.2 x belt width
 Curved surface makes perfect circle when Z9 tooth sprocket or 95 mm (3.74 in) flex diameter is applied.

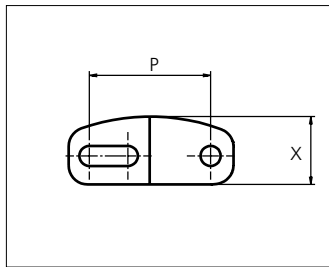
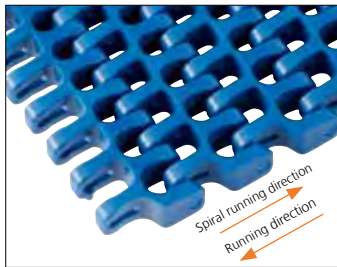
43% Open Radius 1.6



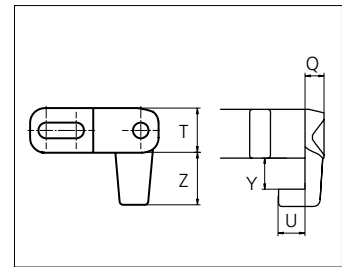
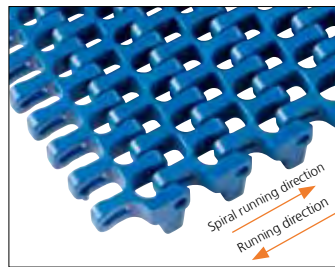
43% Open Radius 2.2



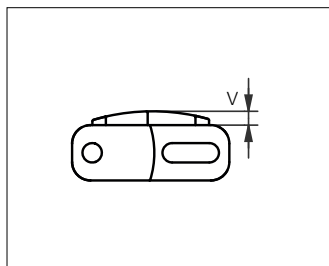
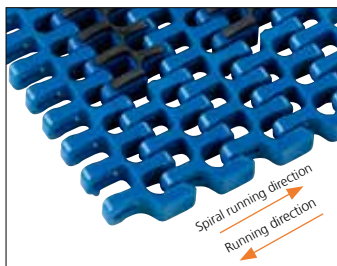
43% Open Tab Radius 2.2



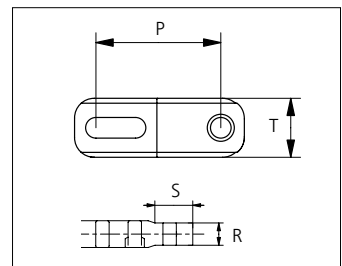
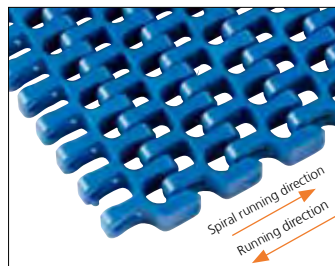
43% Open Curved Surface Radius 2.2



43% Open Curved Surface Tab Radius 2.2



43% Open Rubber Top Radius 2.2



43% Open Edge Radius 2.2

Min. indent for Rubber Top inside and outside in the belt is 44.0 mm (1.73 in).

	mm	in		mm	in		mm	in		mm	in
P (Nominal)	25.4	1.00	S	16.0	0.63	V	3.0	0.12	Z	14.0	0.55
Q	5.5	0.22	T	12.0	0.47	X	14.2	0.56	-	-	-
R	10.0	0.39	U	7.5	0.30	Y	9.0	0.35	-	-	-



STANDARD
SIDE FLEXING
PITCH 25.4 MM/1.00 IN

Type	Belt materials and colors	Standars pin materials and colors
43% Open Radius 1.6	POM-D B	PA6.6 B
43% Open Radius 2.2	POM-D B W	
	PP B W G	
43% Open Tab Radius 1.6	POM-D B W	
	PP B W	
43% Open Curved Surface Radius 2.2	POM-D B W	
43% Open Tab Curved Surface Radius 2.2	POM-D B W	
43% Open Rubber Top Radius 2.2	PP B + 03 K	
	PP W + 03 N	
43% Open Edge Radius 2.2	POM-D B	
	PP B	

Non standard material and color: See uni Material and Color Overview.

Alternative pin and lock materials:

✂ Snap Pin A2: PP **W** PBT **LG** PA6.6 **B**

Belt width		Permissible tensile force (Belt/pin material)								Belt weight (Belt/pin material)				*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-D/PA6.6				PP/PA6.6				POM-D/PA6.6		PP/PA6.6			**Carry (pcs)	**Return (pcs)
		Straight sections		Curve sections		Straight sections		Curve sections		kg/m	lb/ft	kg/m	lb/ft			
mm	in	N	lbf	N	lbf	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft			
149	5.9	2801	630	1200	270	1863	419	720	162	1.2	0.82	0.8	0.52	2	2	2
226	8.9	4249	955	1200	270	2825	635	720	162	1.9	1.25	1.2	0.79	2	2	2
302	11.9	5678	1276	1200	270	3775	849	720	162	2.5	1.66	1.6	1.06	3	3	2
379	14.9	7125	1602	1200	270	4738	1065	720	162	3.1	2.09	2.0	1.32	3	3	2
455	17.9	8554	1923	1200	270	5688	1279	720	162	3.7	2.51	2.4	1.59	5	4	2
531	20.9	9983	2244	1600	360	6638	1492	960	216	4.4	2.93	2.8	1.86	5	4	2
608	23.9	11430	2570	1600	360	7600	1708	960	216	5.0	3.35	3.2	2.12	5	5	3
531	20.9	9983	2244	2040	459	6638	1492	1224	275	4.4	2.93	2.8	1.86	5	4	2
608	23.9	11430	2570	2040	459	7600	1708	1224	275	5.0	3.35	3.2	2.12	5	5	3
684	26.9	12859	2891	2040	459	8550	1922	1224	275	5.6	3.77	3.6	2.39	5	5	3
761	30.0	14307	3216	2040	459	9513	2138	1224	275	6.2	4.19	4.0	2.66	7	6	3
837	33.0	15736	3537	2040	459	10463	2352	1224	275	6.9	4.61	4.4	2.93	7	6	3
1449	57.0	27241	6124	2040	459	18113	4072	1224	275	11.9	7.99	7.5	5.06	11	10	5
1984	78.1	37299	8385	2040	459	24800	5575	1224	275	16.3	10.93	10.3	6.93	15	14	7

Additional standard belt widths are available in steps of 76.4 mm (3.01 in). Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in).

Additional standard belt widths are available in steps of 76.4 mm (3.01 in). Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in).

General belt tolerance is +0/-0.4% at 23°C/73°F. For exact belt width contact Customer Service. Non standard belt width on request.

*Max. Load per Drive Sprocket. Belt material: POM-D 2000 N (450 lbf), PP 1100 N (247 lbf).

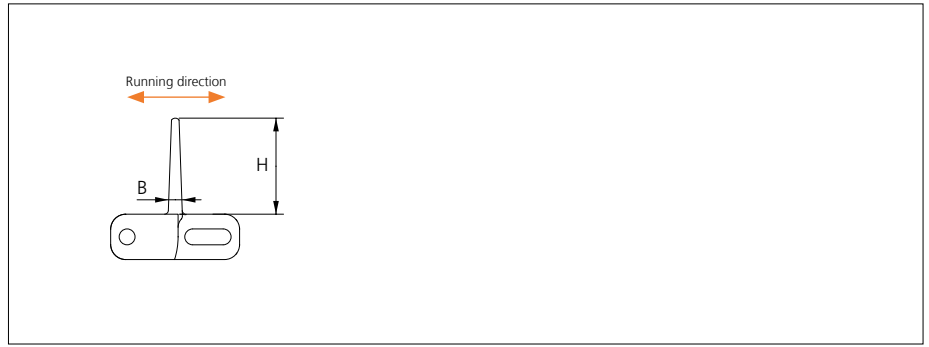
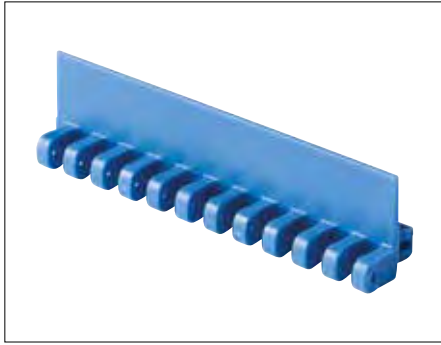
**Max. Spacing between wear strips, Carry: 152 mm (6 in); Return: 304 mm (12 in).

Max. Belt width with Flex ASB R1.6: 1296 mm (51.0 in).

☐ = Single Link

Accessories

Flight



Type	Flight Material & color	B		H		Link size	Width		I (min)	
		mm	in	mm	in		mm	in	mm	in
Flat	POM-D B W	3.7	0.15	25.4	1.00	K600	151.0	5.94	38.1	1.50

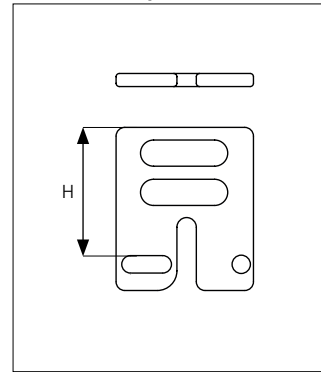
Non Standard material and color: See uni Material and Color Overview.

Accessories

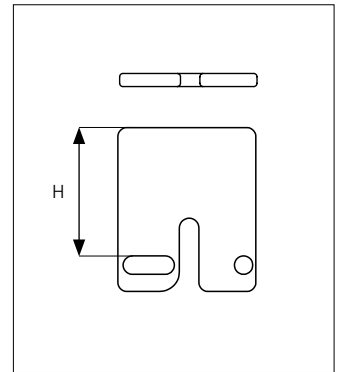
Side Guard



Side Guard Open



Side Guard

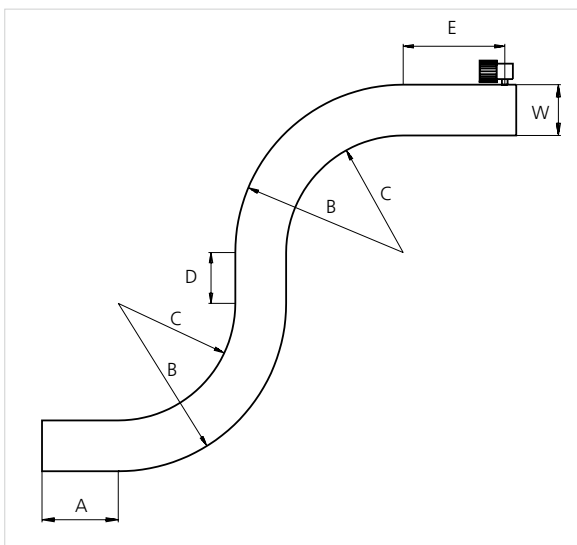


Type	Side Guard Material & color	H	
		mm	in
Side Guard Side Guard Open	POM-D B W	25.4	1.00

Min. indent for Side Guard is: 44.0 mm (1.73 in) and Increment 25.4 mm (1.00 in)

Non Standard material and color: See uni Material and Color Overview.

Design Guidelines



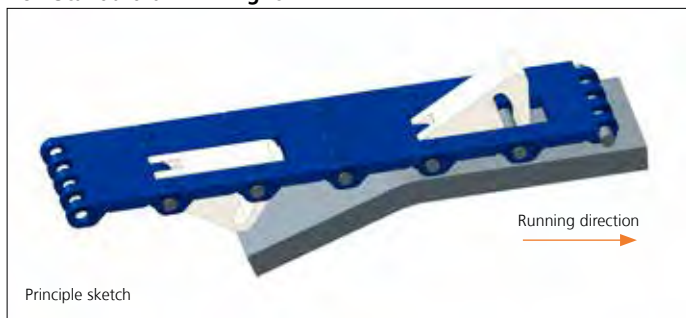
	43% Open Radius 2.2 43% Open Tab Radius 2.2 43% Open Curved Surface Radius 2.2 43% Open Curved Surface Tab Radius 2.2	uni Flex ASB 43% Open Radius 1.6
A	min 1.5 x W	min 1.5 x W
B	min 3.2 x W	min 2.6 x W
C	min 2.2 x W	min 1.6 x W
D	min 2 x W	
E	min 2 x W, min	
W	Belt width	

uni Flex ASB 43% Open Radius 1.6 can not be used in conveyors with both left and right turning curves. All curves have to turn in the same direction.

For min. conveyor dimensions please refer to sketch and diagram.

Accessories

Non Standard uni AmFlight



Other Non Standard option: See uni AmFlight Overview.

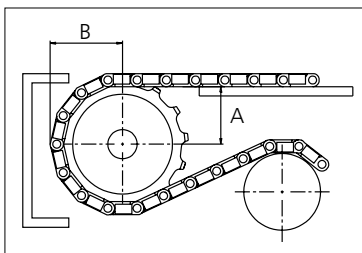
Sprocket

No. of teeth	Bore size												Overall diameter		Pitch diameter		Hub diameter		Dimension A		Dimension B		Single row/Two way	Double row/Two way	Molded	Machined
	Pilot Bore	in	0.75	0.79	0.98	1.00	1.18	1.25	1.50	1.57	2.36	2.50														
	mm	19.1	20.0	25.0	25.4	30.0	31.8	38.1	40.0	60.0	63.5	90.0	mm	in	mm	in	mm	in	mm	in						
Z07	x		●	●	●	●						58.0	2.28	58.5	2.30	40.8	1.61	20.4	0.80	35.2	1.39	x	x			
Z09	x			●	●	●	●					75.0	2.95	74.3	2.93	57.8	2.28	28.9	1.14	43.1	1.70	x	x			
Z12	x			●	●	●	●	■				100.0	3.94	98.1	3.86	82.8	3.26	41.4	1.63	55.1	2.17	x	x			
Z15	x				●	●	●	■	●	■		124.6	4.91	122.2	4.81	107.4	4.23	53.8	2.12	67.1	2.64	x	x			
Z18	x					●	●	●	●	■	■	149.3	5.88	146.3	5.76	132.1	5.20	66.0	2.60	79.2	3.12	x	x			

■ Machined sprocket



● Machined sprocket



Non standard material and color: See uni Material and Color Overview.

Other sprocket sizes are available upon request

Two-part sprocket are available upon request

Other bore sizes are available upon request

uni Retainer Rings: See uni Retainer Ring data sheet

Width of tooth = 7.0 mm (0.28 in)

Width of sprocket = 30.0 mm (1.18 in)

Max. load per sprocket shown does not take bore size into account.

Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni Flex ASB.

For more detailed sprocket information, contact Customer Service.

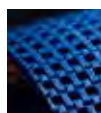
uni Flex ASB/1409



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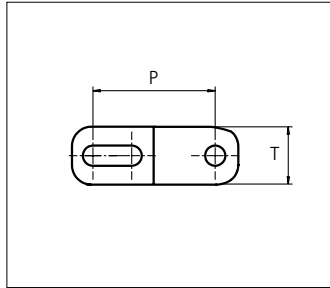
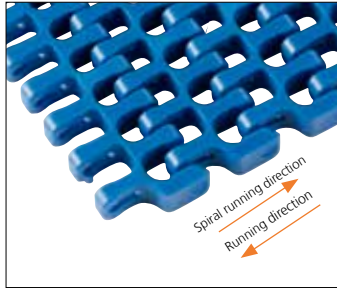
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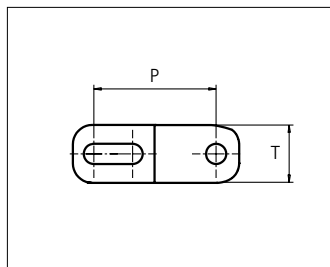
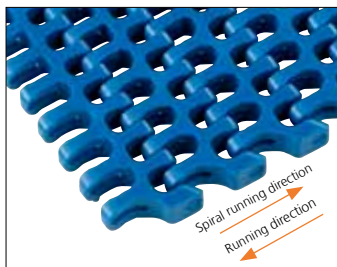
Plastic Modular Belt

Series uni Flex ASB

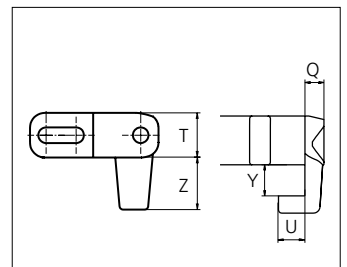
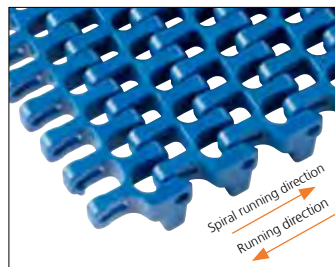


Sideflexing belt
 Nominal pitch: 25.4 mm (1.00 in)
 Surface type: Flat
 Surface opening: 43%
 Backflex radius: 25.0 mm (0.98 in)
 Pin diameter: 4.0 mm (0.16 in)
 Min. inside radius: R1.6 x belt width, R2.2 x belt width
 Curved surface makes perfect circle when Z9 tooth sprocket or 95 mm (3.74 in) flex diameter is applied.

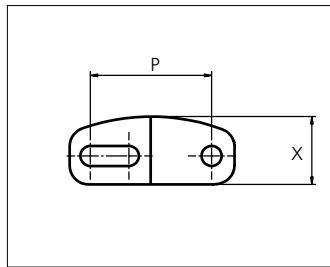
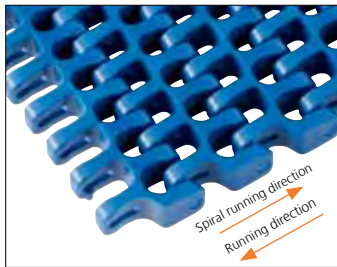
43% Open Radius 1.6



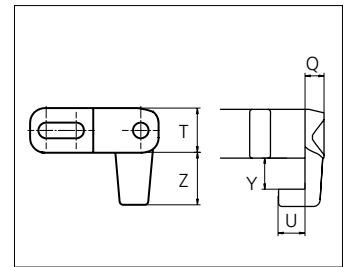
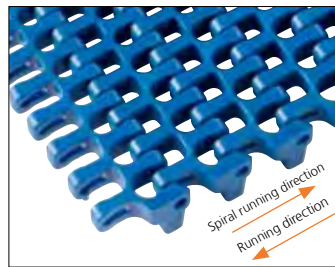
43% Open Radius 2.2



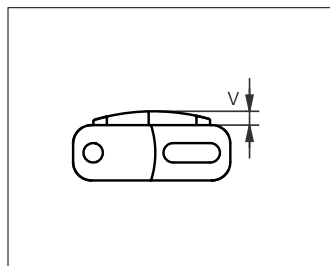
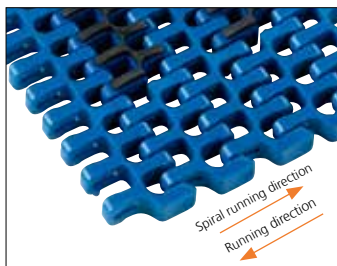
43% Open Tab Radius 2.2



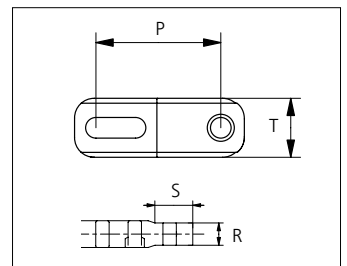
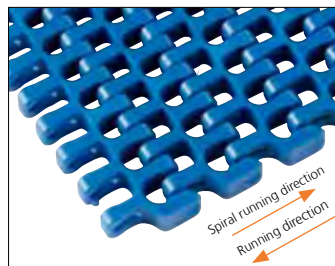
43% Open Curved Surface Radius 2.2



43% Open Curved Surface Tab Radius 2.2



43% Open Rubber Top Radius 2.2



43% Open Edge Radius 2.2

Min. indent for Rubber Top inside and outside in the belt is 44.0 mm (1.73 in).

	mm	in		mm	in		mm	in		mm	in
P (Nominal)	25.4	1.00	S	16.0	0.63	V	3.0	0.12	Z	14.0	0.55
Q	5.5	0.22	T	12.0	0.47	X	14.2	0.56	-	-	-
R	10.0	0.39	U	7.5	0.30	Y	9.0	0.35	-	-	-



STANDARD
SIDE FLEXING
PITCH 25.4 MM/1.00 IN

Type	Belt materials and colors	Standars pin materials and colors
43% Open Radius 1.6	POM-D B	PA6.6 B
43% Open Radius 2.2	POM-D B W	
	PP B W G	
43% Open Tab Radius 1.6	POM-D B W	
	PP B W	
43% Open Curved Surface Radius 2.2	POM-D B W	
43% Open Tab Curved Surface Radius 2.2	POM-D B W	
43% Open Rubber Top Radius 2.2	PP B + 03 K	
	PP W + 03 N	
43% Open Edge Radius 2.2	POM-D B	
	PP B	

Non standard material and color: See uni Material and Color Overview.

Alternative pin and lock materials:

✂ Snap Pin A2: PP **W** PBT **LG** PA6.6 **B**

Belt width		Permissible tensile force (Belt/pin material)								Belt weight (Belt/pin material)				*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-D/PA6.6				PP/PA6.6				POM-D/PA6.6		PP/PA6.6			**Carry (pcs)	**Return (pcs)
		Straight sections		Curve sections		Straight sections		Curve sections		kg/m	lb/ft	kg/m	lb/ft			
mm	in	N	lbf	N	lbf	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft			
149	5.9	2801	630	1200	270	1863	419	720	162	1.2	0.82	0.8	0.52	2	2	2
226	8.9	4249	955	1200	270	2825	635	720	162	1.9	1.25	1.2	0.79	2	2	2
302	11.9	5678	1276	1200	270	3775	849	720	162	2.5	1.66	1.6	1.06	3	3	2
379	14.9	7125	1602	1200	270	4738	1065	720	162	3.1	2.09	2.0	1.32	3	3	2
455	17.9	8554	1923	1200	270	5688	1279	720	162	3.7	2.51	2.4	1.59	5	4	2
531	20.9	9983	2244	1600	360	6638	1492	960	216	4.4	2.93	2.8	1.86	5	4	2
608	23.9	11430	2570	1600	360	7600	1708	960	216	5.0	3.35	3.2	2.12	5	5	3
531	20.9	9983	2244	2040	459	6638	1492	1224	275	4.4	2.93	2.8	1.86	5	4	2
608	23.9	11430	2570	2040	459	7600	1708	1224	275	5.0	3.35	3.2	2.12	5	5	3
684	26.9	12859	2891	2040	459	8550	1922	1224	275	5.6	3.77	3.6	2.39	5	5	3
761	30.0	14307	3216	2040	459	9513	2138	1224	275	6.2	4.19	4.0	2.66	7	6	3
837	33.0	15736	3537	2040	459	10463	2352	1224	275	6.9	4.61	4.4	2.93	7	6	3
1449	57.0	27241	6124	2040	459	18113	4072	1224	275	11.9	7.99	7.5	5.06	11	10	5
1984	78.1	37299	8385	2040	459	24800	5575	1224	275	16.3	10.93	10.3	6.93	15	14	7

Additional standard belt widths are available in steps of 76.4 mm (3.01 in). Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in).


Additional standard belt widths are available in steps of 76.4 mm (3.01 in). Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in).

General belt tolerance is +0/-0.4% at 23°C/73°F. For exact belt width contact Customer Service. Non standard belt width on request.

*Max. Load per Drive Sprocket. Belt material: POM-D 2000 N (450 lbf), PP 1100 N (247 lbf).

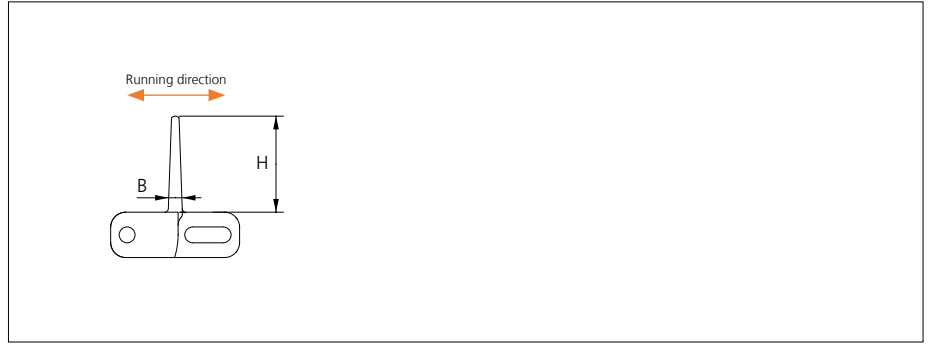
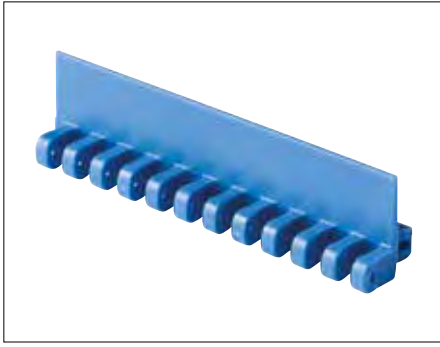
**Max. Spacing between wear strips, Carry: 152 mm (6 in); Return: 304 mm (12 in).

Max. Belt width with Flex ASB R1.6: 1296 mm (51.0 in).

 = Single Link

Accessories

Flight



Type	Flight Material & color	B		H		Link size	Width		I (min)	
		mm	in	mm	in		mm	in	mm	in
Flat	POM-D B W	3.7	0.15	25.4	1.00	K600	151.0	5.94	38.1	1.50

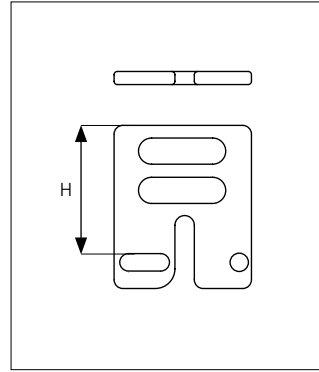
Non Standard material and color: See uni Material and Color Overview.

Accessories

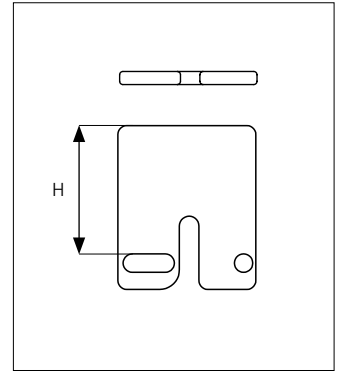
Side Guard



Side Guard Open



Side Guard

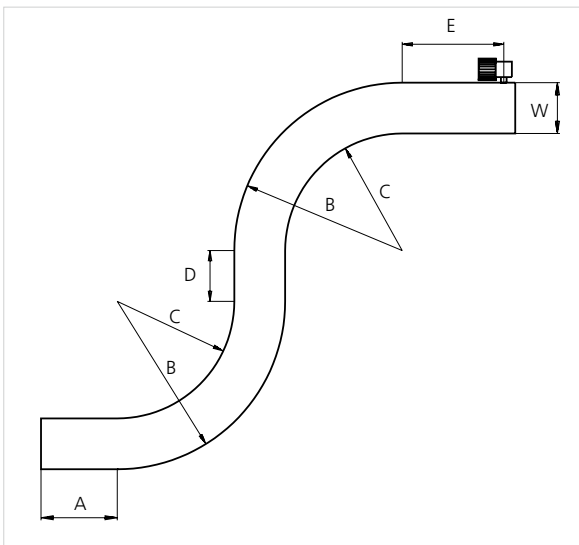


Type	Side Guard Material & color	H	
		mm	in
Side Guard Side Guard Open	POM-D B W	25.4	1.00

Min. indent for Side Guard is: 44.0 mm (1.73 in) and Increment 25.4 mm (1.00 in)

Non Standard material and color: See uni Material and Color Overview.

Design Guidelines



	43% Open Radius 2.2 43% Open Tab Radius 2.2 43% Open Curved Surface Radius 2.2 43% Open Curved Surface Tab Radius 2.2	uni Flex ASB 43% Open Radius 1.6
A	min 1.5 x W	min 1.5 x W
B	min 3.2 x W	min 2.6 x W
C	min 2.2 x W	min 1.6 x W
D	min 2 x W	
E	min 2 x W, min	
W	Belt width	

uni Flex ASB 43% Open Radius 1.6 can not be used in conveyors with both left and right turning curves. All curves have to turn in the same direction.

For min. conveyor dimensions please refer to sketch and diagram.

Accessories

Non Standard uni AmFlight



Other Non Standard option: See uni AmFlight Overview.

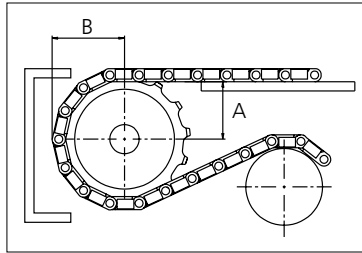
Sprocket

No. of teeth	Bore size												Overall diameter		Pitch diameter		Hub diameter		Dimension A		Dimension B		Single row/Two way	Double row/Two way	Molded	Machined
	Pilot Bore																									
	in	mm	19.1	20.0	25.0	25.4	30.0	31.8	38.1	40.0	60.0	63.5	90.0	mm	in	mm	in	mm	in	mm	in	PA6 LG	PA6 N			
Z07	x		●	●	●	●							58.0	2.28	58.5	2.30	40.8	1.61	20.4	0.80	35.2	1.39	x	x		
Z09	x			●	●	●	●						75.0	2.95	74.3	2.93	57.8	2.28	28.9	1.14	43.1	1.70	x	x		
Z12	x			●	●	●	●	■					100.0	3.94	98.1	3.86	82.8	3.26	41.4	1.63	55.1	2.17	x	x		
Z15	x				●	●	●	■	●	■			124.6	4.91	122.2	4.81	107.4	4.23	53.8	2.12	67.1	2.64	x	x		
Z18	x					●	●	●	●	■	■		149.3	5.88	146.3	5.76	132.1	5.20	66.0	2.60	79.2	3.12	x	x		

■ Machined sprocket



● Machined sprocket



Non standard material and color: See uni Material and Color Overview.

Other sprocket sizes are available upon request

Two-part sprocket are available upon request

Other bore sizes are available upon request

uni Retainer Rings: See uni Retainer Ring data sheet

Width of tooth = 7.0 mm (0.28 in)

Width of sprocket = 30.0 mm (1.18 in)

Max. load per sprocket shown does not take bore size into account.

Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni Flex ASB.

For more detailed sprocket information, contact Customer Service.

uni Flex ASB/1409



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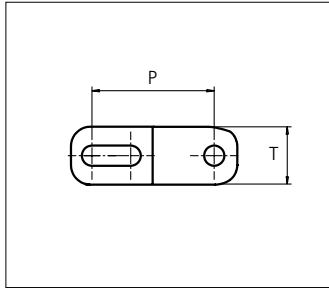
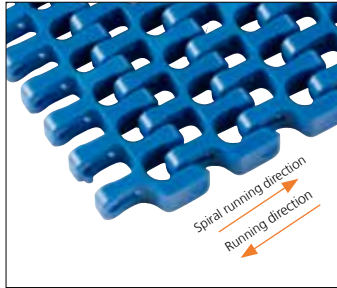
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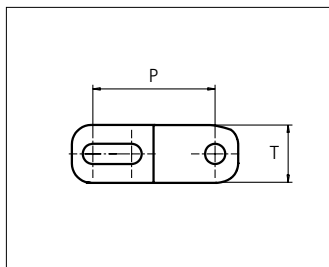
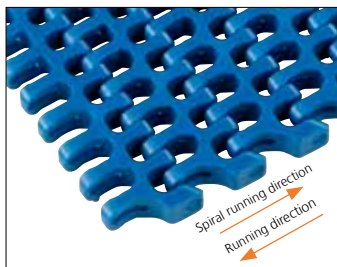
Plastic Modular Belt

Series uni Flex ASB

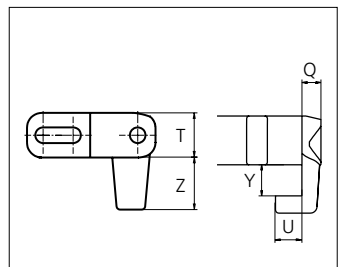
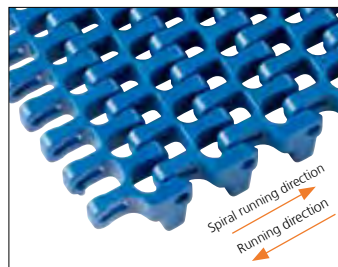


Sideflexing belt
 Nominal pitch: 25.4 mm (1.00 in)
 Surface type: Flat
 Surface opening: 43%
 Backflex radius: 25.0 mm (0.98 in)
 Pin diameter: 4.0 mm (0.16 in)
 Min. inside radius: R1.6 x belt width, R2.2 x belt width
 Curved surface makes perfect circle when Z9 tooth sprocket or 95 mm (3.74 in) flex diameter is applied.

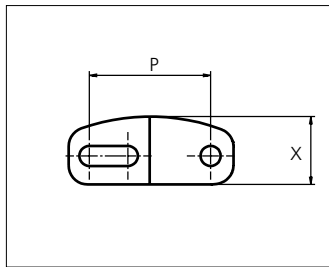
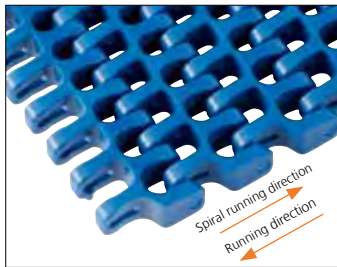
43% Open Radius 1.6



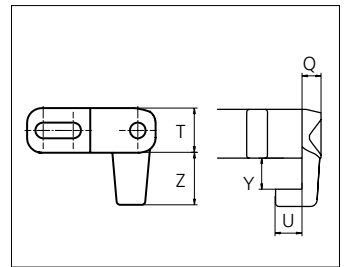
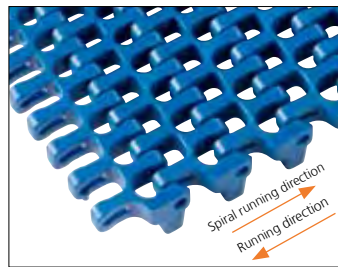
43% Open Radius 2.2



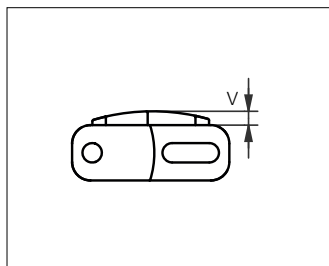
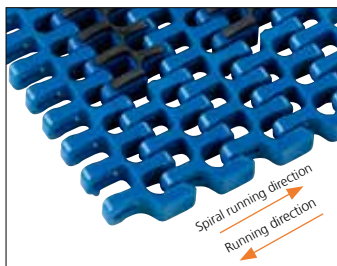
43% Open Tab Radius 2.2



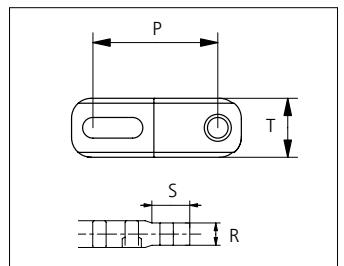
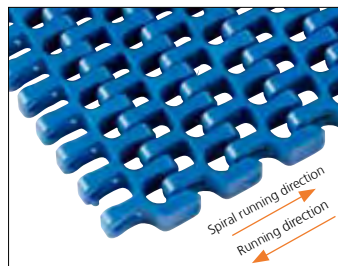
43% Open Curved Surface Radius 2.2



43% Open Curved Surface Tab Radius 2.2



43% Open Rubber Top Radius 2.2



43% Open Edge Radius 2.2

Min. indent for Rubber Top inside and outside in the belt is 44.0 mm (1.73 in).

	mm	in		mm	in		mm	in		mm	in
P (Nominal)	25.4	1.00	S	16.0	0.63	V	3.0	0.12	Z	14.0	0.55
Q	5.5	0.22	T	12.0	0.47	X	14.2	0.56	-	-	-
R	10.0	0.39	U	7.5	0.30	Y	9.0	0.35	-	-	-



STANDARD
SIDE FLEXING
PITCH 25.4 MM/1.00 IN

Type	Belt materials and colors	Standars pin materials and colors
43% Open Radius 1.6	POM-D B	PA6.6 B
43% Open Radius 2.2	POM-D B W	
	PP B W G	
43% Open Tab Radius 1.6	POM-D B W	
	PP B W	
43% Open Curved Surface Radius 2.2	POM-D B W	
43% Open Tab Curved Surface Radius 2.2	POM-D B W	
43% Open Rubber Top Radius 2.2	PP B + 03 K	
	PP W + 03 N	
43% Open Edge Radius 2.2	POM-D B	
	PP B	

Non standard material and color: See uni Material and Color Overview.

Alternative pin and lock materials:

✂ Snap Pin A2: PP **W** PBT **LG** PA6.6 **B**

Belt width		Permissible tensile force (Belt/pin material)								Belt weight (Belt/pin material)				*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-D/PA6.6				PP/PA6.6				POM-D/PA6.6		PP/PA6.6			**Carry (pcs)	**Return (pcs)
		Straight sections		Curve sections		Straight sections		Curve sections		kg/m	lb/ft	kg/m	lb/ft			
mm	in	N	lbf	N	lbf	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft			
149	5.9	2801	630	1200	270	1863	419	720	162	1.2	0.82	0.8	0.52	2	2	2
226	8.9	4249	955	1200	270	2825	635	720	162	1.9	1.25	1.2	0.79	2	2	2
302	11.9	5678	1276	1200	270	3775	849	720	162	2.5	1.66	1.6	1.06	3	3	2
379	14.9	7125	1602	1200	270	4738	1065	720	162	3.1	2.09	2.0	1.32	3	3	2
455	17.9	8554	1923	1200	270	5688	1279	720	162	3.7	2.51	2.4	1.59	5	4	2
531	20.9	9983	2244	1600	360	6638	1492	960	216	4.4	2.93	2.8	1.86	5	4	2
608	23.9	11430	2570	1600	360	7600	1708	960	216	5.0	3.35	3.2	2.12	5	5	3
531	20.9	9983	2244	2040	459	6638	1492	1224	275	4.4	2.93	2.8	1.86	5	4	2
608	23.9	11430	2570	2040	459	7600	1708	1224	275	5.0	3.35	3.2	2.12	5	5	3
684	26.9	12859	2891	2040	459	8550	1922	1224	275	5.6	3.77	3.6	2.39	5	5	3
761	30.0	14307	3216	2040	459	9513	2138	1224	275	6.2	4.19	4.0	2.66	7	6	3
837	33.0	15736	3537	2040	459	10463	2352	1224	275	6.9	4.61	4.4	2.93	7	6	3
1449	57.0	27241	6124	2040	459	18113	4072	1224	275	11.9	7.99	7.5	5.06	11	10	5
1984	78.1	37299	8385	2040	459	24800	5575	1224	275	16.3	10.93	10.3	6.93	15	14	7

Additional standard belt widths are available in steps of 76.4 mm (3.01 in). Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in).


Additional standard belt widths are available in steps of 76.4 mm (3.01 in). Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in).

General belt tolerance is +0/-0.4% at 23°C/73°F. For exact belt width contact Customer Service. Non standard belt width on request.

*Max. Load per Drive Sprocket. Belt material: POM-D 2000 N (450 lbf), PP 1100 N (247 lbf).

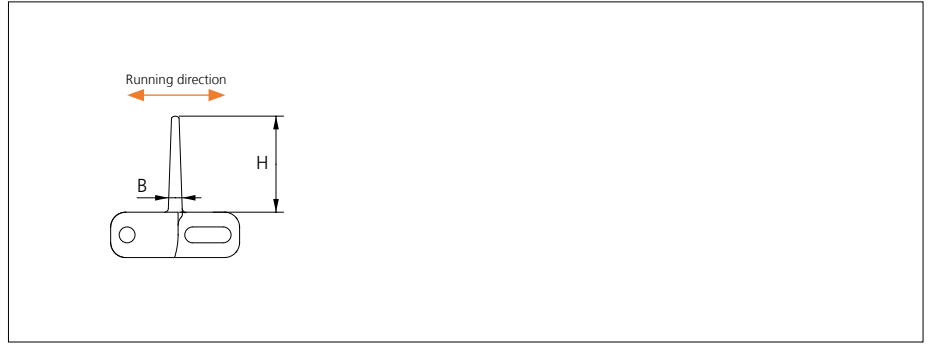
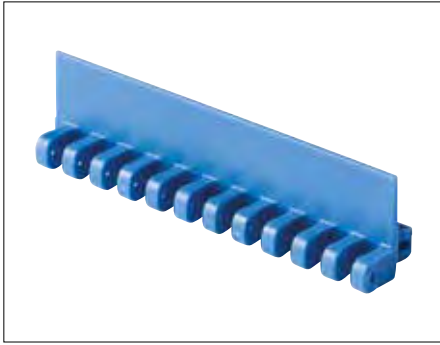
**Max. Spacing between wear strips, Carry: 152 mm (6 in); Return: 304 mm (12 in).

Max. Belt width with Flex ASB R1.6: 1296 mm (51.0 in).

 = Single Link

Accessories

Flight



Type	Flight Material & color	B		H		Link size	Width		I (min)	
		mm	in	mm	in		mm	in	mm	in
Flat	POM-D B W	3.7	0.15	25.4	1.00	K600	151.0	5.94	38.1	1.50

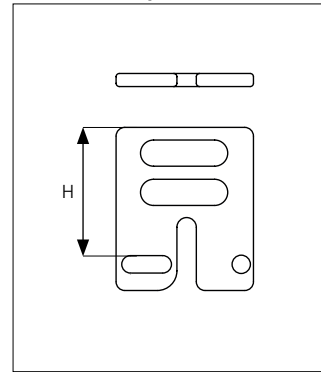
Non Standard material and color: See uni Material and Color Overview.

Accessories

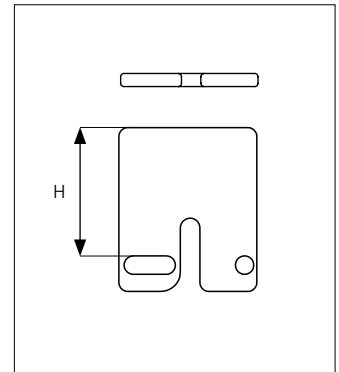
Side Guard



Side Guard Open



Side Guard

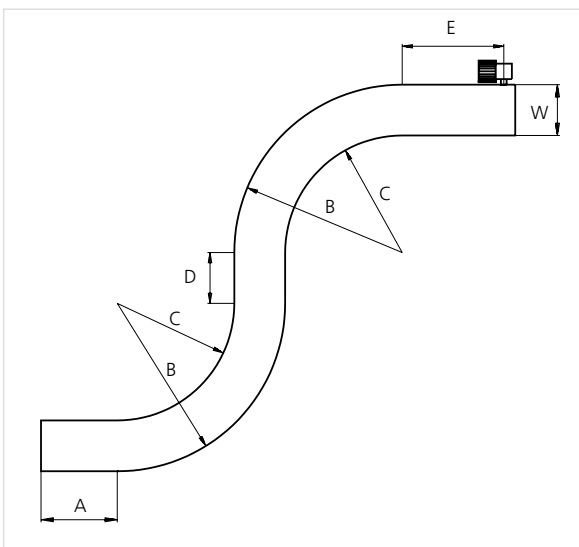


Type	Side Guard Material & color	H	
		mm	in
Side Guard Side Guard Open	POM-D B W	25.4	1.00

Min. indent for Side Guard is: 44.0 mm (1.73 in) and Increment 25.4 mm (1.00 in)

Non Standard material and color: See uni Material and Color Overview.

Design Guidelines



	43% Open Radius 2.2 43% Open Tab Radius 2.2 43% Open Curved Surface Radius 2.2 43% Open Curved Surface Tab Radius 2.2	uni Flex ASB 43% Open Radius 1.6
A	min 1.5 x W	min 1.5 x W
B	min 3.2 x W	min 2.6 x W
C	min 2.2 x W	min 1.6 x W
D	min 2 x W	
E	min 2 x W, min	
W	Belt width	

uni Flex ASB 43% Open Radius 1.6 can not be used in conveyors with both left and right turning curves. All curves have to turn in the same direction.

For min. conveyor dimensions please refer to sketch and diagram.

Accessories

Non Standard uni AmFlight



Other Non Standard option: See uni AmFlight Overview.

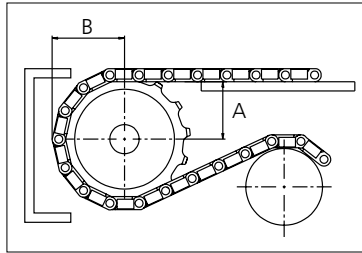
Sprocket

No. of teeth	Bore size												Overall diameter		Pitch diameter		Hub diameter		Dimension A		Dimension B		Single row/Two way	Double row/Two way	Molded	Machined
	Pilot Bore		0.75	0.79	0.98	1.00	1.18	1.25	1.50	1.57	2.36	2.50														
	in	mm	19.1	20.0	25.0	25.4	30.0	31.8	38.1	40.0	60.0	63.5	90.0	mm	in	mm	in	mm	in	mm	in	PA6 LG	PA6 N			
Z07	x		●	●	●	●							58.0	2.28	58.5	2.30	40.8	1.61	20.4	0.80	35.2	1.39	x	x		
Z09	x			●	●	●	●						75.0	2.95	74.3	2.93	57.8	2.28	28.9	1.14	43.1	1.70	x	x		
Z12	x			●	●	●	●	■					100.0	3.94	98.1	3.86	82.8	3.26	41.4	1.63	55.1	2.17	x	x		
Z15	x				●	●	●	■	●	■			124.6	4.91	122.2	4.81	107.4	4.23	53.8	2.12	67.1	2.64	x	x		
Z18	x					●	●	●	●	■	■		149.3	5.88	146.3	5.76	132.1	5.20	66.0	2.60	79.2	3.12	x	x		

■ Machined sprocket



● Machined sprocket



Non standard material and color: See uni Material and Color Overview.

Other sprocket sizes are available upon request

Two-part sprocket are available upon request

Other bore sizes are available upon request

uni Retainer Rings: See uni Retainer Ring data sheet

Width of tooth = 7.0 mm (0.28 in)

Width of sprocket = 30.0 mm (1.18 in)

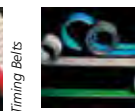
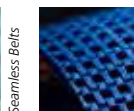
Max. load per sprocket shown does not take bore size into account.

Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni Flex ASB.

For more detailed sprocket information, contact Customer Service.

uni Flex ASB/1409



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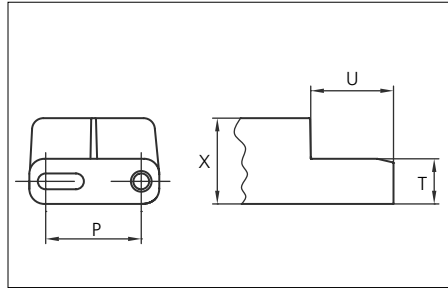
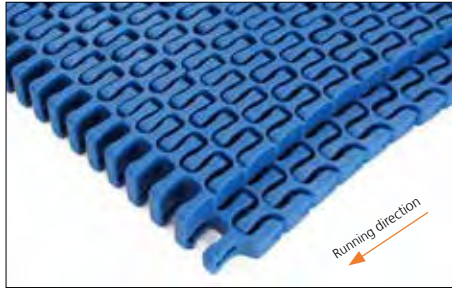
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Plastic Modular Belt

Series **uni Flex ASB** Type **43% Open Top Radius 2.2**



Sideflexing belt
 Nominal pitch: 25.4 mm (1.00 in)
 Surface type: Top
 Surface opening: 43%
 Backflex radius: 30.0 mm (1.18 in)
 Pin diameter: 4.0 mm (0.16 in)
 Min. inside radius: R2.2 x belt width

Belt material & color	POM-D W B	PP B			
Pin and lock material & color	PA6.6 B				
			mm	in	
			P (Nominal)	25.4	1.00
			U	22.0	0.87
			T	12.0	0.47
			X	22.8	0.90

Non standard material and color: See uni Material and Color Overview.

Alternative pin and lock materials: Snap Pin A3: PP **W** PBT **LG**

Belt width		Permissible tensile force (Belt/pin material)								Belt weight (Belt/pin material)				*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-D/PA6.6				PP/PA6.6				POM-D/PA6.6		PP/PA6.6			**Carry (pcs)	**Return (pcs)
		Straight sections		Curve sections		Straight sections		Curve sections		kg/m	lb/ft	kg/m	lb/ft			
mm	in	N	lbf	N	lbf	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft			
149	5.9	2801	630	1200	270	1863	419	720	162	2.5	1.70	1.6	1.08	2	2	2
226	8.9	4249	955	1200	270	2825	635	720	162	3.8	2.58	2.4	1.64	2	2	2
302	11.9	5678	1276	1200	270	3775	849	720	162	5.1	3.45	3.3	2.19	3	2	2
379	14.9	7125	1602	1200	270	4738	1065	720	162	6.4	4.33	4.1	2.75	3	2	2
455	17.9	8554	1923	1200	270	5688	1279	720	162	7.7	5.20	4.9	3.30	5	2	2
531	20.9	9983	2244	1600	360	6638	1492	960	216	9.0	6.07	5.7	3.85	5	2	2
608	23.9	11430	2570	1600	360	7600	1708	960	216	10.3	6.95	6.6	4.41	5	2	2
531	20.9	9983	2244	2040	459	6638	1492	1224	275	9.0	6.07	5.7	3.85	5	3	3
608	23.9	11430	2570	2040	459	7600	1708	1224	275	10.3	6.95	6.6	4.41	5	3	3
684	26.9	12859	2891	2040	459	8550	1922	1224	275	11.6	7.81	7.4	4.96	5	3	3
761	30.0	14307	3216	2040	459	9513	2138	1224	275	12.9	8.69	8.2	5.52	7	3	3
837	33.0	15736	3537	2040	459	10463	2352	1224	275	14.2	9.56	9.0	6.08	7	3	3
914	36.0	17183	3863	2040	459	11425	2568	1224	275	15.5	10.44	9.9	6.63	7	3	3
990	39.0	18612	4184	2040	459	12375	2782	1224	275	16.8	11.31	10.7	7.19	7	3	3
1066	42.0	20041	4505	2040	459	13325	2995	1224	275	18.1	12.18	11.5	7.74	9	3	3

General belt tolerance is +0/-0.4% at 23°C/73°F. For exact belt width contact Customer Service. Non standard belt width on request.

*Max. Load per Drive Sprocket. Belt material: POM-D 2000 N (450 lbf), PP 1100 N (247 lbf).

= Single Link

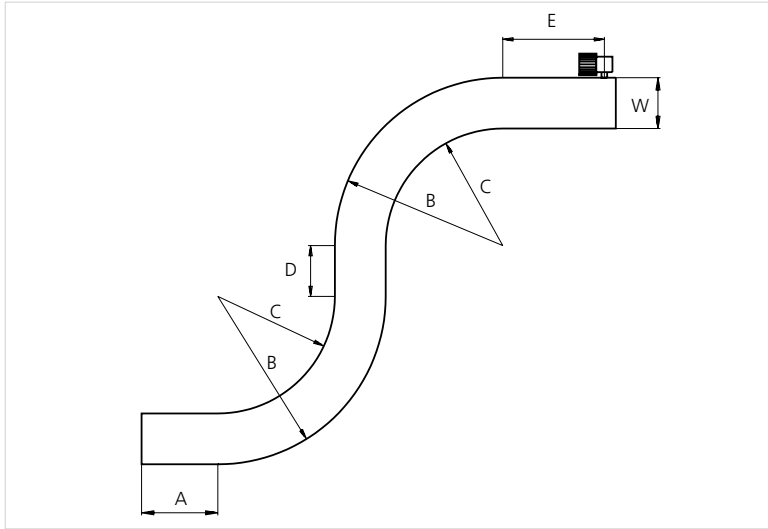


STANDARD

SIDE FLEXING

PITCH 25.4 MM/1.00 IN

Design Guidelines



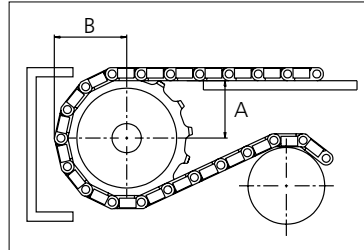
43% Open Top Radius 2.2	
A	min. 1.5 x W
B	min 3.2 x W
C	min 2.2 x W
D	min 2 x W
E	min 2 x W, min.
W	Belt width

Sprocket

No. of teeth	Bore size													Overall diameter		Pitch diameter		Hub diameter		Dimension A		Dimension B		Single row/Two way	Double row/Two way	Molded PA6 LG	Machined PA6 N
	Pilot Bore	in	0.75	0.79	0.98	1.00	1.18	1.25	1.50	1.57	2.36	2.50	3.54														
	mm	19.1	20.0	25.0	25.4	30.0	31.75	38.1	40.0	60.0	63.5	90.0	mm	in	mm	in	mm	in	mm	in							
Z07	x		●	●	●	●							58.0	2.28	58.5	2.30	40.8	1.61	20.4	0.80	35.2	1.39	x		x		
Z09	x			●	●	●	●						75.0	2.95	74.3	2.93	57.8	2.28	28.9	1.14	43.1	1.70	x		x		
Z12	x			●	●	●	●	■					100.0	3.94	98.1	3.86	82.8	3.26	41.4	1.63	55.1	2.17	x		x		
Z15	x				●	●	●	■	■	■	■		124.6	4.91	122.2	4.81	107.4	4.23	53.8	2.12	67.1	2.64	x		x		
Z18	x					●	●	●	■	■	■	■	149.3	5.88	146.3	5.76	132.1	5.20	66.0	2.60	79.2	3.12	x		x		

■ Machined sprocket

● Machined sprocket



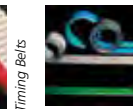
Non standard material and color: See uni Material and Color Overview.

Other sprocket sizes are available upon request
 Two-part sprocket are available upon request
 Other bore sizes are available upon request
 uni Retainer Rings: See uni Retainer Ring data sheet
 Width of tooth = 7.0 mm (0.28 in)
 Width of sprocket = 30.0 mm (1.18 in)

Max. load per sprocket shown does not take bore size into account.
 Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni Flex ASB.
 For more detailed sprocket information, contact Customer Service.

uni Flex ASB 43% Open Top Radius 2.2/1409



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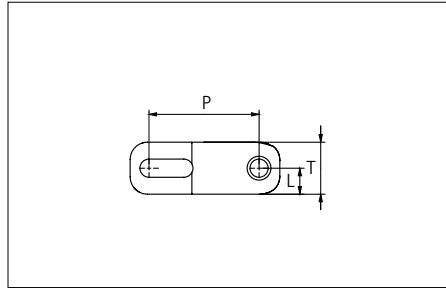
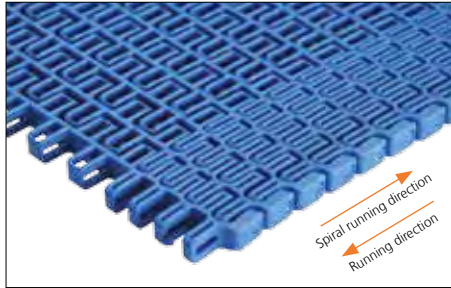
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Plastic Modular Belt

Series **uni Flex OSB** Type **60% Open Radius 2.2**



Sideflexing belt
 Nominal pitch: 25.4 mm (1.00 in)
 Surface type: Open
 Surface opening: 60%
 Backflex radius: 30.0 mm (1.18 in)
 Pin diameter: 4.0 mm (0.16 in)
 Min. inside radius: R2.2 x belt width

Belt material & color	POM-D B	PP B	mm	in	mm	in		
			P (Nominal)	25.4	1.00	T	12.0	0.47
Pin and lock material & color	PA6.6 B		L	6.0	0.24	-	-	-

Non standard material and color: See uni Material and Color Overview.

Alternative pin and lock materials:

✂ Snap Pin A1: PP **W** PBT **LG** PA6.6 **B**

Belt width		Permissible tensile force (Belt/pin material)								Belt weight (Belt/pin material)				*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-D/PA6.6				PP/PA6.6				POM-D/PA6.6		PP/PA6.6			Carry (pcs)	Return (pcs)
		Straight sections		Curve sections		Straight sections		Curve sections		kg/m	lb/ft	kg/m	lb/ft			
mm	in	N	lbf	N	lbf	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft			
303	11.9	3333	749	2040	459	2485	559	1224	275	1.6	1.10	1.1	0.77	3	2	2
379	14.9	3979	894	2040	459	2979	670	1224	275	2.1	1.38	1.4	0.96	3	2	2
456	18.0	4634	1042	2040	459	3479	782	1224	275	2.5	1.66	1.7	1.16	5	2	2
533	21.0	5288	1189	2040	459	3980	895	1224	275	2.9	1.94	2.0	1.35	5	2	2
610	24.0	5943	1336	2040	459	4480	1007	1224	275	3.3	2.22	2.3	1.55	5	3	3
686	27.0	6589	1481	2040	459	4974	1118	1224	275	3.7	2.49	2.6	1.74	5	3	3
763	30.0	7243	1628	2040	459	5475	1231	1224	275	4.1	2.77	2.9	1.94	7	3	3
840	33.1	7898	1775	2040	459	5975	1343	1224	275	4.5	3.05	3.2	2.13	7	3	3
917	36.1	8552	1922	2040	459	6476	1456	1224	275	5.0	3.33	3.5	2.33	7	3	3
994	39.1	9207	2070	2040	459	6976	1568	1224	275	5.4	3.61	3.8	2.53	7	3	3
1070	42.1	9853	2215	2040	459	7470	1679	1224	275	5.8	3.89	4.0	2.72	9	4	4
1147	45.2	10507	2362	2040	459	7971	1792	1224	275	6.2	4.17	4.3	2.91	9	4	4

Additional standard belt widths are available in steps of 76.8 mm (3.02 in). Additional non-standard belt widths are available in steps of 25.6 mm (1.01 in).

1454	57.2	13117	2949	2040	459	9966	2240	1224	275	7.9	5.29	5.5	3.69	11	10	5
------	------	-------	------	------	-----	------	------	------	-----	-----	------	-----	------	----	----	---

General belt tolerance is +0/-0.4% at 23°C/73°F. For exact belt width contact Customer Service. Non standard belt width on request.

*Max. Load per Drive Sprocket. Belt material: POM-D 1000 N (223 lbf), PP 550 N (123 lbf).

Belt needs support rollers or flanged rollers at each belt edge for support.

□ = Single Link

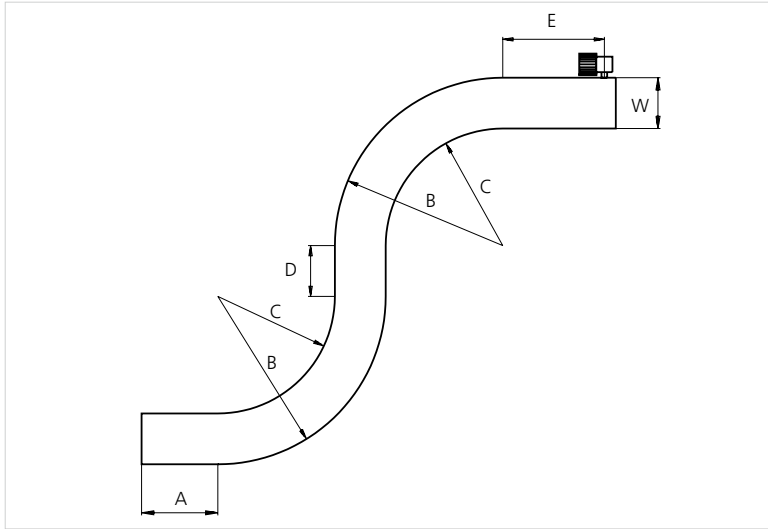


STANDARD

SIDE FLEXING

PITCH 25.4 MM/1.00 IN

Design Guidelines



uni Flex OSB 65% Open Radius 2.2	
A	min. 1.5 x W
B	min 3.2 x W
C	min 2.2 x W
D	min 2 x W
E	min 2 x W, min.
W	Belt width

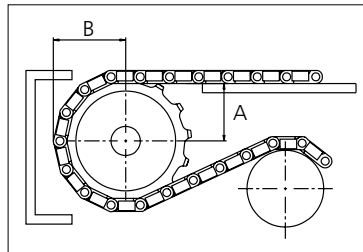
Sprocket

No. of teeth	Bore size													Overall diameter		Pitch diameter		Hub diameter		Dimension A		Dimension B		Single row/Two way	Double row/Two way	Molded PA6 LG	Machined PA6 N
	Pilot Bore	in	0.75	0.79	0.98	1.00	1.18	1.25	1.50	1.57	2.36	2.50	3.54														
	mm	19.1	20.0	25.0	25.4	30.0	31.8	38.1	40.0	60.0	63.5	90.0	mm	in	mm	in	mm	in	mm	in							
Z09	x			●	●	●	●						75	2.95	74.3	2.93	57.8	2.28	28.9	1.14	43.1	1.70	x			x	
Z12	x			●	●	●	●	■					100	3.94	98.1	3.86	82.8	3.26	41.4	1.63	55.1	2.17	x			x	
Z15	x				●	●	●	■	●	■			124.6	4.91	122.2	4.81	107.4	4.23	53.8	2.12	67.1	2.64	x			x	
Z18	x					●	●	●	●	■	■		149.3	5.88	146.3	5.76	132.1	5.20	66.0	2.60	79.2	3.12	x			x	

■ Machined sprocket



● Machined sprocket



Non standard material and color: See uni Material and Color Overview.

Other sprocket sizes are available upon request

Two-part sprocket are available upon request

Other bore sizes are available upon request

uni Retainer Rings: See uni Retainer Ring data sheet

Width of tooth = 14.0 mm (0.55 in)

Width of sprocket = 30.0 mm (1.18 in)

Max. load per sprocket shown does not take bore size into account.

Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni Flex OSB.

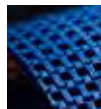
For more detailed sprocket information, contact Customer Service.



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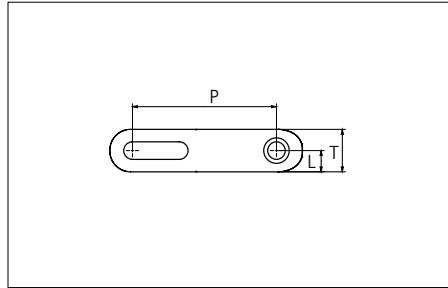
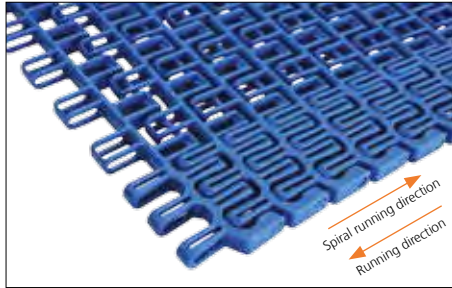
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Plastic Modular Belt

Series **uni Flex L-OSB** Type **65% Open Radius 2.2**



Sideflexing belt
 Nominal pitch: 50.8 mm (2.00 in)
 Surface type: Open
 Surface opening: 65%
 Backflex radius: 30.0 mm (1.18 in)
 Pin diameter: 6.0 mm (0.24 in)
 Min. inside radius: R2.2 x belt width

Belt material & color	POM-D B	PP B	mm	in		mm	in	
			P (Nominal)	50.8	2.00	T	15.0	0.59
Pin and lock material & color	PA6.6 B		L	7.5	0.29	-	-	-

Non standard material and color: See uni Material and Color Overview.

Alternative pin and lock materials:

⚡ Snap Pin A1: PP **W** PBT **LG** PA6.6 **B** ⚡ Lockpin: PBT **LG**

Belt width		Permissible tensile force (Belt/pin material)								Belt weight (Belt/pin material)				*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-D/PA6.6				PP/PA6.6				POM-D/PA6.6		PP/PA6.6			Carry (pcs)	Return (pcs)
		Straight sections		Curve sections		Straight sections		Curve sections		kg/m	lb/ft	kg/m	lb/ft			
mm	in	N	lbf	N	lbf	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft			
326	12.8	5803	1304	3300	742	4368	982	2080	468	2.2	1.45	1.6	1.06	3	2	2
428	16.9	6864	1543	3300	742	5205	1170	2080	468	2.8	1.91	2.1	1.39	3	2	2
530	20.9	7924	1781	3300	742	6041	1358	2080	468	3.5	2.37	2.6	1.72	4	2	2
631	24.8	8975	2018	3300	742	6869	1544	2080	468	4.2	2.82	3.0	2.05	4	3	3
733	28.9	10036	2256	3300	742	7706	1732	2080	468	4.9	3.27	3.5	2.38	5	3	3
834	32.8	11086	2492	3300	742	8534	1918	2080	468	5.5	3.72	4.0	2.71	5	3	3
936	36.9	12147	2731	3300	742	9370	2106	2080	468	6.2	4.18	4.5	3.04	5	3	3
1037	40.8	13197	2967	3300	742	10199	2293	2080	468	6.9	4.63	5.0	3.37	6	4	4
1139	44.8	14258	3205	3300	742	11035	2481	2080	468	7.6	5.08	5.5	3.70	6	4	4
1240	48.8	15308	3441	3300	742	11863	2667	2080	468	8.2	5.53	6.0	4.03	6	4	4
1342	52.8	16369	3680	3300	742	12700	2855	2080	468	8.9	5.99	6.5	4.36	7	5	5
1443	56.8	17420	3916	3300	742	13528	3041	2080	468	9.6	6.44	7.0	4.68	7	5	5

Additional standard belt widths are available in steps of 101.6 mm (4.00 in). Additional non-standard belt widths are available in steps of 50.8 mm (2.00 in).

General belt tolerance is +0/-0.4% at 23°C/73°F. For exact belt width contact Customer Service. Non standard belt width on request.

*Max. Load per Drive Sprocket. Belt material: POM-D 1000 N (225 lbf), PP 550 N (123 lbf).

Belt needs support rollers or flanged rollers at each belt edge for support.

□ = Single Link

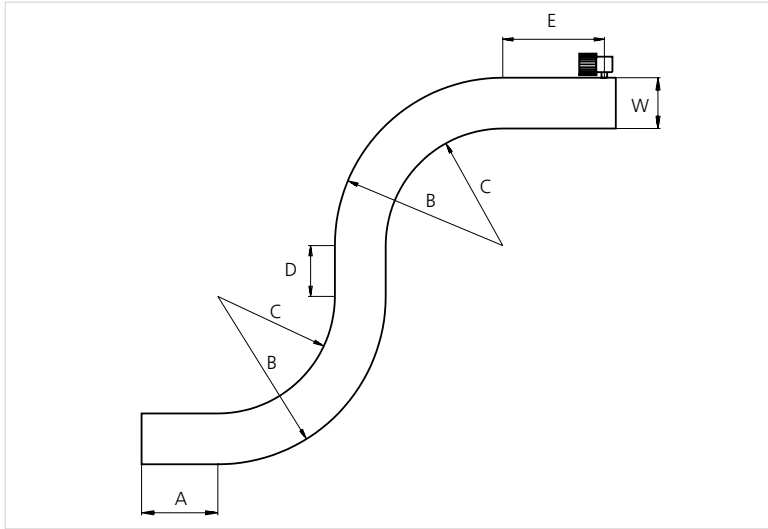


STANDARD

SIDE FLEXING

PITCH 50.8 MM/2.00 IN

Design Guidelines



uni Flex L-OSB 65% Open Radius 2.2	
A	min. 1.5 x W
B	min 3.2 x W
C	min 2.2 x W
D	min 2 x W
E	min 2 x W, min.
W	Belt width

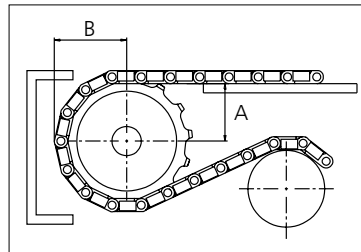
Sprocket

No. of teeth	Bore size													Overall diameter		Pitch diameter		Hub diameter		Dimension A		Dimension B		Single row/Two way	Double row/Two way	Molded PA6 LG	Machined PA6 N
	Pilot Bore	in	0.75	0.79	0.98	1.00	1.18	1.25	1.50	1.57	2.36	2.50	3.54														
	mm	19.1	20.0	25.0	25.4	30.0	31.8	38.1	40.0	60.0	63.5	90.0	mm	in	mm	in	mm	in	mm	in							
Z08	x				●	●		■				134.6	5.30	131.5	5.18	107.6	4.23	54.4	2.15	74.9	2.95	x			x		
Z10	x				●	●	●	■				168.3	6.63	164	6.46	141.3	5.56	71.4	2.81	90.8	3.57	x			x		
Z12	x				●	●	●	■	■		■	203.5	8.01	196.5	7.74	176.5	6.94	88.2	3.47	106.8	4.20	x			x		
Z15	x				●	●	●	■	■	■	■	253.4	9.98	245.4	9.66	226.4	8.91	113.2	4.46	131.0	5.16	x			x		

■ Machined sprocket



● Machined sprocket



Non standard material and color: See uni Material and Color Overview.

Other sprocket sizes are available upon request
 Two-part sprocket are available upon request
 Other bore sizes are available upon request
 uni Retainer Rings: See uni Retainer Ring data sheet
 Width of tooth = 30.0 mm (1.18 in)
 Width of sprocket = 40.0 mm (1.57 in)

Max. load per sprocket shown does not take bore size into account.
 Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni Flex L-OSB.
 For more detailed sprocket information, contact Customer Service.

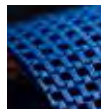
uni Flex L-OSB 65% Open Radius 2.2/1406



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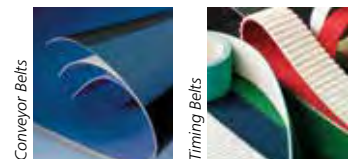
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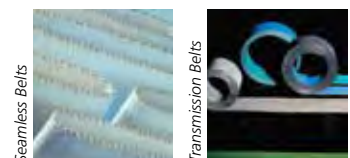
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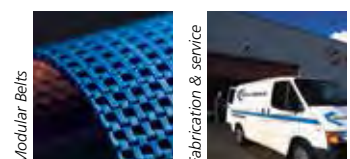
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