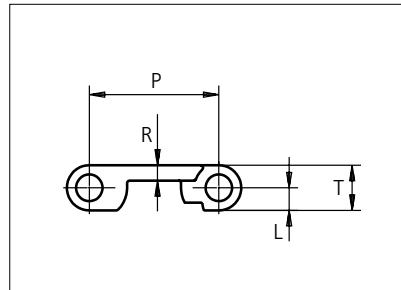




# Plastic Modular Belt

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 <b>W</b>	POM-D <b>W</b>	PE <b>N</b>	mm	in	mm	in		
Pin material & color	PP <b>W</b>	PE <b>N</b>		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
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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: 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.)



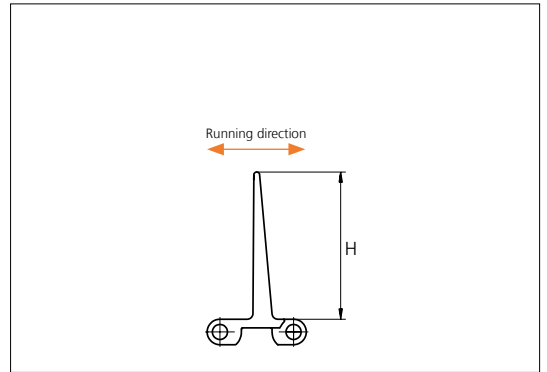
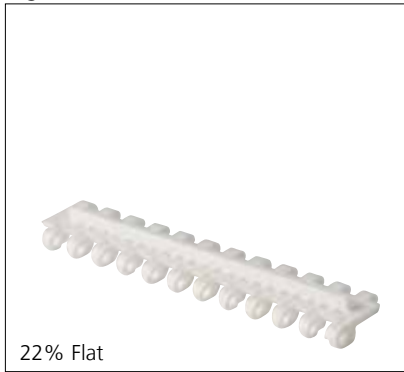
STANDARD

STRAIGHT RUNNING

PITCH 25.4 MM/1.00 IN

## Accessories

### Flight

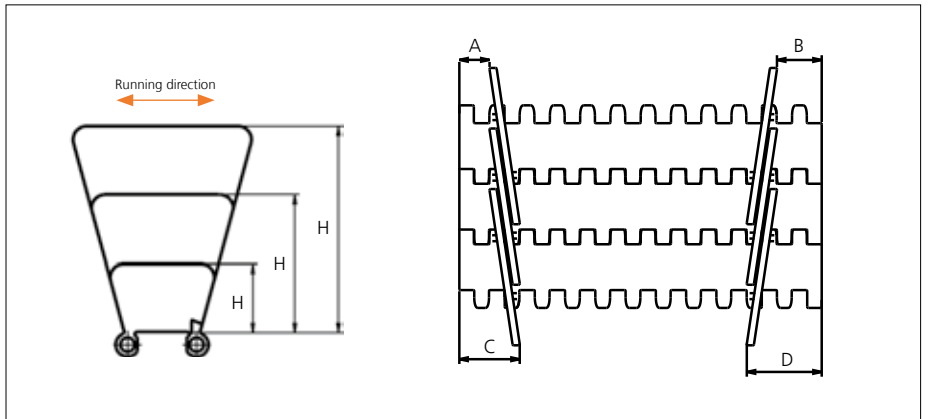


Type	Material & color	H		Link size	Width		Indent	
		mm	in		mm	in	mm	in
22% Flat	PE  PP-I	5.0	0.20	K300	75.9	2.99	6.4	0.25
					152.0	5.98		
Flat	POM-D  PE PP-I  PP-I	25.4	1.00	K600	152.0	5.98	0.0	0.00
		50.8	2.00					
		76.2	3.00					

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								

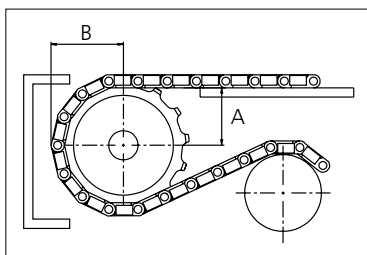
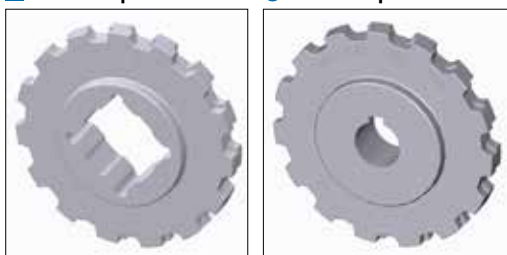
Minimum indent to outside of lane divider: 14.0 mm (0.55 in). Increment 6.4 mm (0.25).  
 Non Standard material and color: See uni Material and Color Overview.  
 Backflex radius for Side Guard: 75.0 mm (2.95 in)

## 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																											
	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				●	●	●	●						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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