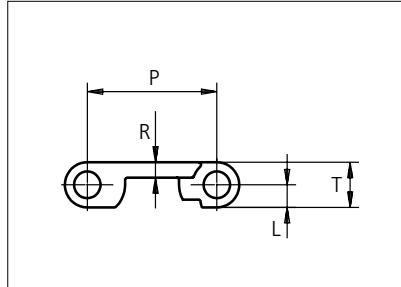




Plastic Modular Belt

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 | | mm | in | |
|-----------------------|----------------------|-------------|-------------|-------------|--------------------|-------------|-------------|----------|-----|------|
| | Pin material & color | | | | PP W | PP B | 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/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.)



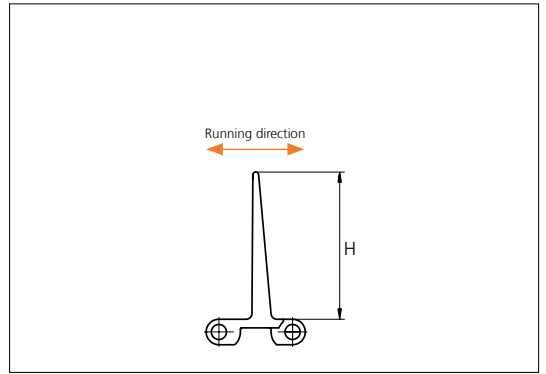
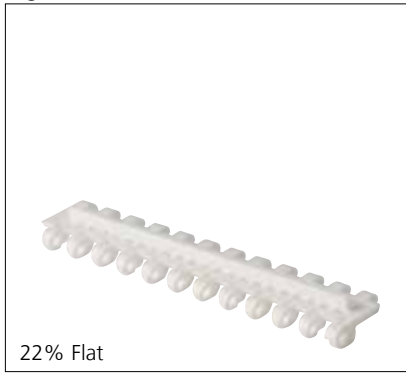
STANDARD

STRAIGHT RUNNING

PITCH 25.4 MM/1.00 IN

Accessories

Flight

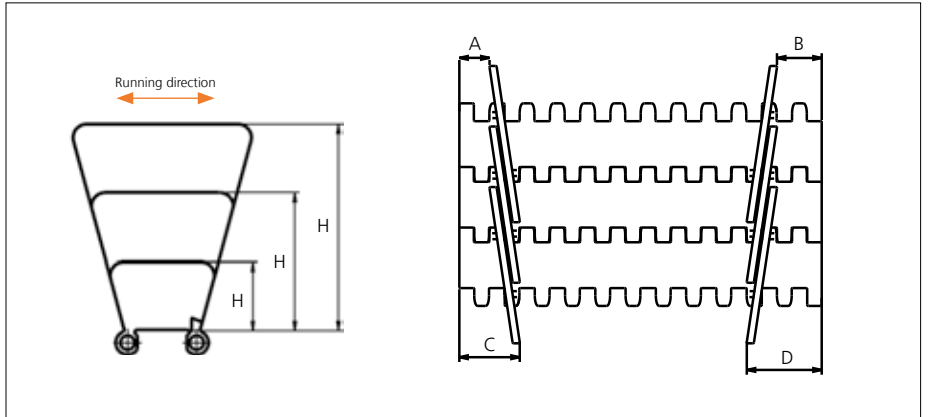


| Type | Material & color | H | | Link size | Width | | Indent | |
|----------|-------------------------|------|------|-----------|-------|------|--------|------|
| | | mm | in | | mm | in | mm | in |
| 22% Flat | PE PP-I | 5.0 | 0.20 | K300 | 75.9 | 2.99 | 6.4 | 0.25 |
| | | | | | 152.0 | 5.98 | | |
| 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 | | | | | | | | |

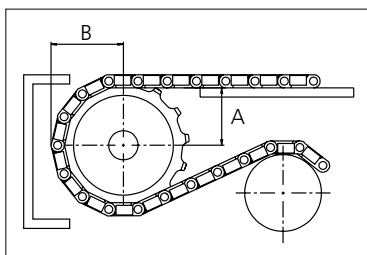
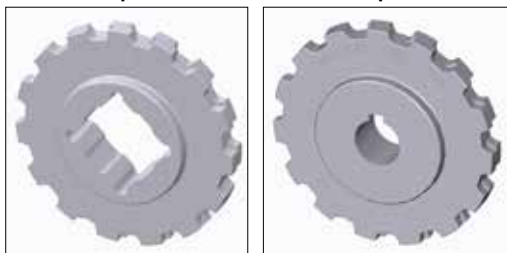
Minimum indent to outside of Side Guard: 14.0 mm (0.55 in). Increment 6.4 mm (0.25).
 Non Standard material and color: See uni Material and Color Overview.
 Backflex radius for Side Guard: 75.0 mm (2.95 in)

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



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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