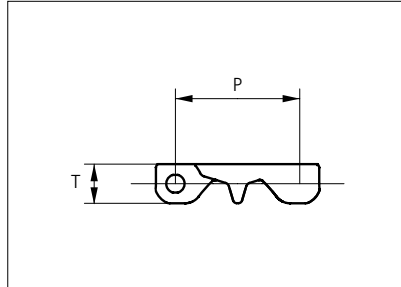




Plastic Modular Belt

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 | 0.94 |

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

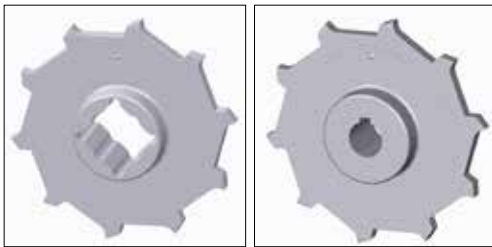
STRAIGHT RUNNING

PITCH 50.8 MM/2.00 IN

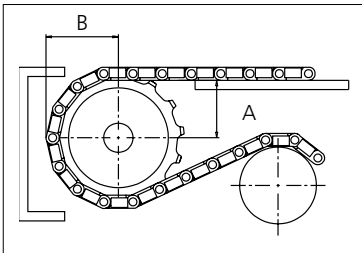
Sprocket

| 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 | 20.0 | 25.0 | 25.4 | 30.0 | 31.8 | 38.1 | 40.0 | 60.0 | 63.5 | 90.0 | | | | | | | | | | | | | | |
| | in | 0.78 | 0.98 | 1.00 | 1.18 | 1.25 | 1.50 | 1.57 | 2.36 | 2.50 | 3.54 | | | | | | | | | | | | | | | |
| 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.

uni ECB C/180501



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