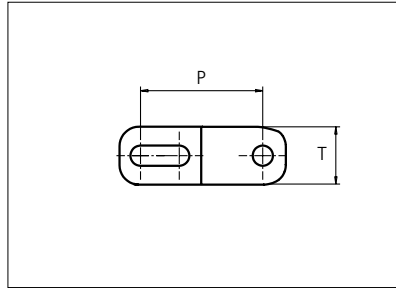
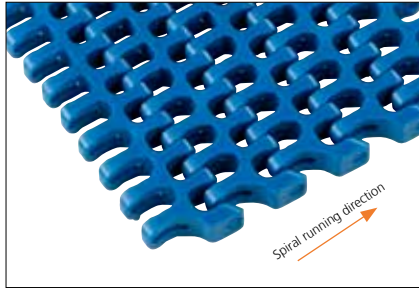




Plastic Modular Belt

Series **uni Flex ASB** Type **43% Open (Radius 2.5/3.0/3.5/4.0)**



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: 2.5 / 3.0 / 3.5 / 4.0 x belt width

| | | | |
|--|----------------|--------------------|-------------|
| Recommended Belt material & color | POM-D B | mm | in |
| Recommended Pin material & color | PA6.6 B | P (Nominal) | 25.4 / 1.00 |
| | | T | 12.0 / 0.47 |

Other non standard material and color: See uni Material and Color Overview.
 Alternative pin and lock systems and materials: Contact Customer Service.

| 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).

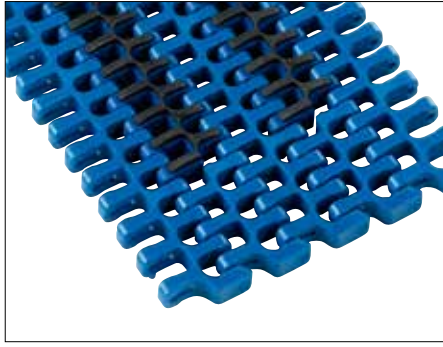
= Single Link



NON STANDARD
SIDE FLEXING
PITCH 25.4 MM/1.00 IN

Accessories

Rubber Top

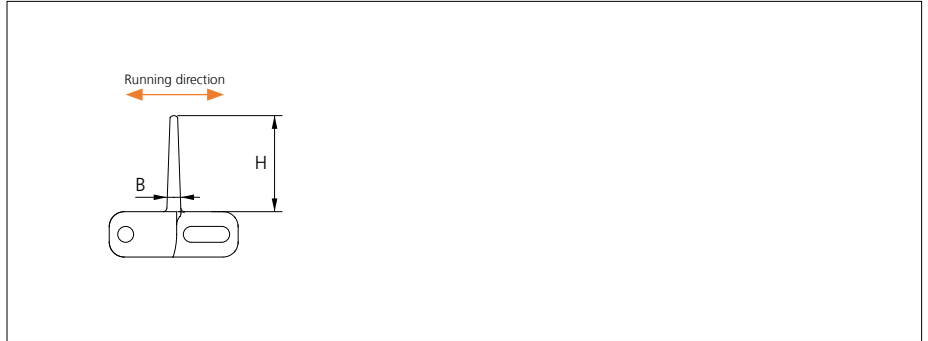
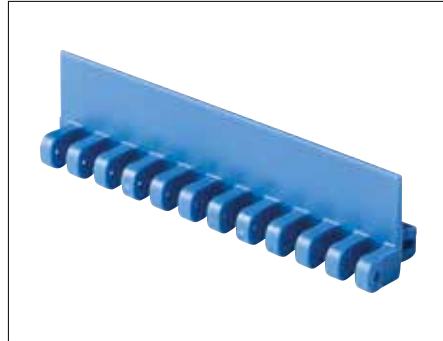


| Type | Recommended belt materials and colors | Recommended pin materials and colors | V | |
|--------------------------------|---------------------------------------|--------------------------------------|-----|------|
| | | | mm | in |
| 43% Open Rubber Top Radius 2.2 | PP B + 03 K | PA6.6 B | 3.0 | 0.12 |

Min. indent for Rubber Top inside and outside in the belt is 44.0 mm (1.73 in).

Accessories

Flight



| Type | Flight Material & color | B | | H | | Link size | Width | |
|------|-------------------------|-----|------|------|------|-----------|-------|------|
| | | mm | in | mm | in | | mm | in |
| Flat | POM-D B W | 3.7 | 0.15 | 25.4 | 1.00 | K600 | 151.0 | 5.94 |

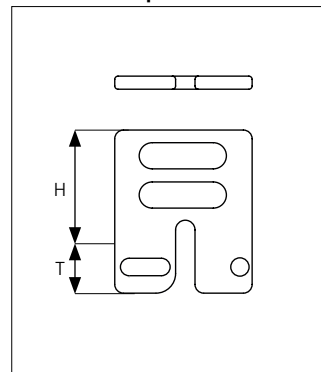
Non Standard material and color: See uni Material and Color Overview.

Accessories

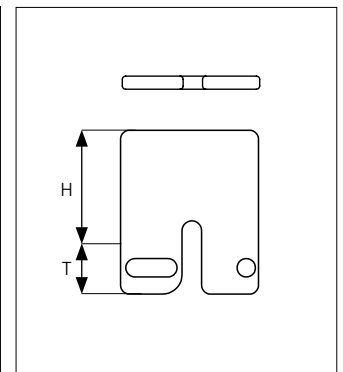
Side Guard



Side Guard Open



Side Guard




| Type | Side Guard Material & color | H | | T | |
|-----------------|-----------------------------|------|------|------|------|
| | | mm | in | mm | in |
| Side Guard | POM-D B | 25.4 | 1.00 | 12.0 | 0.47 |
| Side Guard Open | | | | | |

Min. indent for Side Guard is: 44.0 mm (1.73 in) and Increment 12.7 mm (0.50 in).

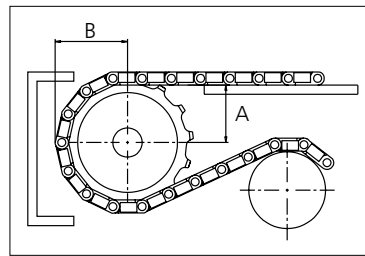
Non Standard material and color: See uni Material and Color Overview.

Sprocket

| No. of teeth | Bore size | | | | | | | | | | Overall diameter | | Pitch diameter | | Hub diameter | | Dimension A | | Dimension B | | Double row/Two way | Machined  |
|--------------|------------|------|------|------|------|------|------|------|------|------|------------------|------|----------------|------|--------------|------|-------------|------|-------------|------|--------------------|--|
| | Pilot Bore | in | 0.79 | 0.98 | 1.00 | 1.18 | 1.25 | 1.50 | 1.57 | 2.36 | | | | | | | | | | | | |
| | mm | 20.0 | 25.0 | 25.4 | 30.0 | 31.8 | 38.1 | 40.0 | 60.0 | mm | in | mm | in | mm | in | mm | in | mm | in | | | |
| Z07 | ✓ | | ● | ● | ● | | | | | | 58.0 | 2.28 | 58.5 | 2.30 | 40.8 | 1.61 | 20.4 | 0.80 | 35.2 | 1.39 | ✓ | ✓ |
| Z09 | ✓ | | | ● | ● | ● | ● | | | | 75.0 | 2.95 | 74.3 | 2.93 | 57.8 | 2.28 | 28.9 | 1.14 | 43.1 | 1.70 | ✓ | ✓ |
| Z12 | ✓ | | | ● | ● | ● | ● | ■ | | | 100.0 | 3.94 | 98.1 | 3.86 | 82.8 | 3.26 | 41.4 | 1.63 | 55.1 | 2.17 | ✓ | ✓ |
| Z15 | ✓ | | | | ● | ● | ● | ■ | ● | ■ | 124.6 | 4.91 | 122.2 | 4.81 | 107.4 | 4.23 | 53.8 | 2.12 | 67.1 | 2.64 | ✓ | ✓ |
| Z18 | ✓ | | | | | ● | ● | ● | ● | ■ | 149.3 | 5.88 | 146.3 | 5.76 | 132.1 | 5.20 | 66.0 | 2.60 | 79.2 | 3.12 | ✓ | ✓ |

■ 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.



Conveyor Belts



Seamless Belts



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