Ammeraal Beltech
Innovation & Service in Belting

# Ammeraal Beltech Modular

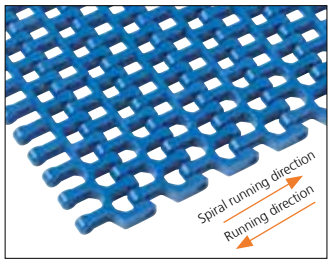
## Innovative belt and chain solutions for every industry & application

# Content

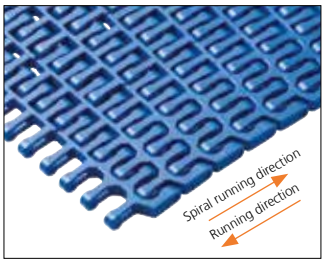
# Content

# Plastic Modular Belt

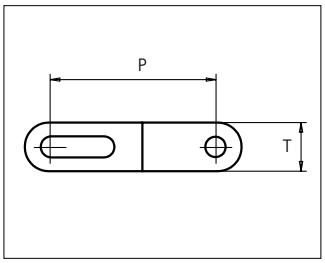
## Series **uni Flex L-ASB**



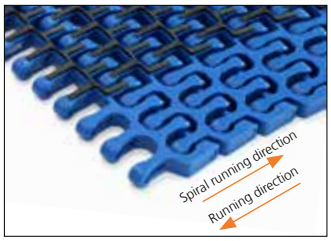

**50% Open Radius 1.6**



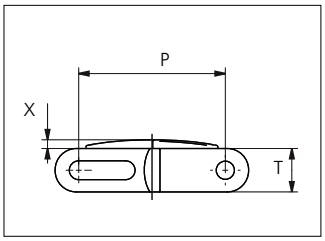

**47% Open Radius 2.2**



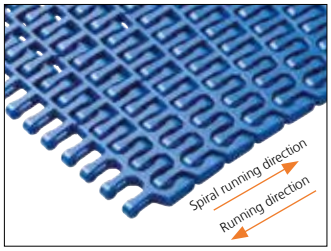

Sideflexing belt
Nominal pitch: 50.8 mm (2.00 in)
Surface type: Flat
Surface opening: 47%/50%
Backflex radius: 100.0 mm (3.94 in)
Pin diameter: 6 mm (0.24 in)
Min. inside radius: R1.6 x belt width, R2.2 x belt width



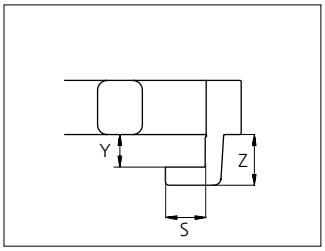

**47/50% Open Rubber Top Radius 2.2**

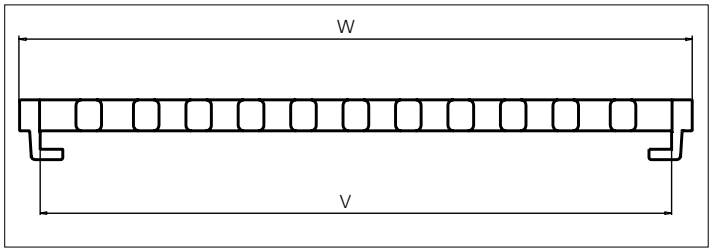



uni Flex L-ASB Rubber Top Radius 2.2: Indent min. 71.0 mm (2.80 in) and Increment 25.4 mm (1.00)
uni Flex L-ASB Rubber Top R1.6: Indent min. 97.0 mm (3.82 in) and Increment 25.4 mm (1.00 in).




**47% Open Tab Radius 2.2**




| Type | Belt materials and colors | Pin materials and colors |
|---|---|---|
| **47% Open Radius 2.2**<br>**47% Open Tab Radius 2.2**<br>**50% Open Radius 1.6** | POM-D **B** **W** | PA6.6 **B** |
| | PP **B** **W** | |
| **47% Open Rubber Top Radius 2.2**<br>**47% Open Rubber Top Tab Radius 2.2**<br>**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 | | | | | | | | |
| 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 |

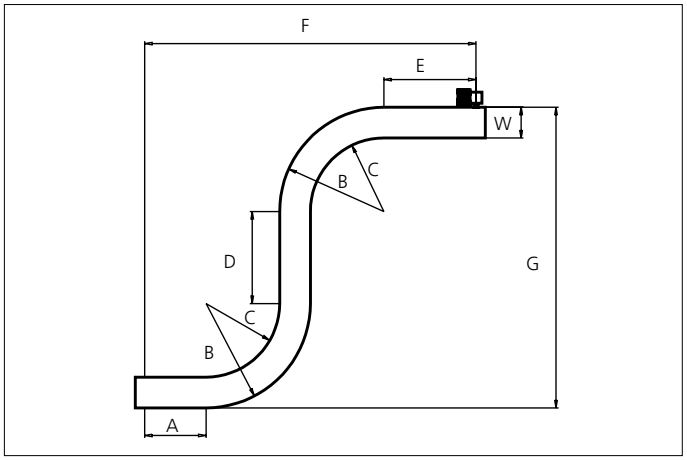
Additional non-standard belt widths are available in steps of 25.4 mm (1.00 in).
General belt tolerance is +0/-0.4% at 23°C/73°F. For exact belt width contact Customer Service. Non standard belt width on request.
*Max. Load per Drive Sprocket. Belt material: POM-D 2500 N (562 lbf), PP 1200 N (270 lbf).
**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 | | | | | | | | |
| 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



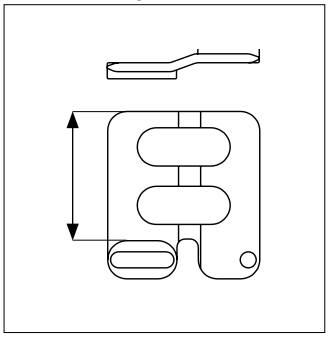

| | 47% Open Radius 2.2<br>47% Open Radius 2.2 | 50% Open<br>Radius 1.6 (inside) |
|---|---|---|
| **A** | min. 1.5 x W | min. 1.5 x W |
| **B** | min. 3.2 x W | min. 2.6 x W |
| **C** | min. 2.2 x W | min. 1.6 x W |
| **D** | min. 2.0 x W | min. 2.0 x W |
| **E** | min. 2.0 x W | min. 2.0 x W |
| **F** | 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.

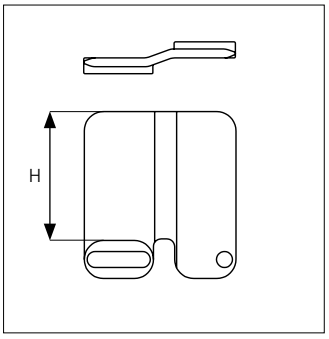
## Accessories

### Side Guard

### Side Guard Open



### Side Guard

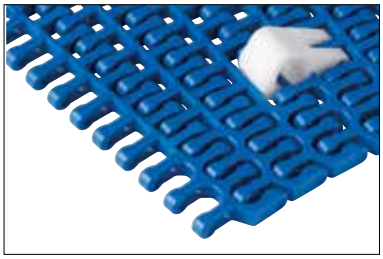


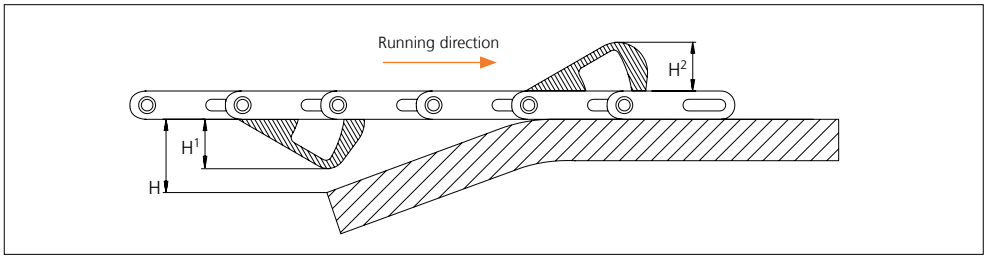

| Type | Side Guard<br>Material & color | H | |
|---|---|---|---|
| | | mm | in |
| Side Guard | POM-D **B** **W** | 10.0<br>25.4<br>50.0 | 0.39<br>1.00<br>1.97 |
| Side Guard Open | | 50.0 | 1.97 |

* 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

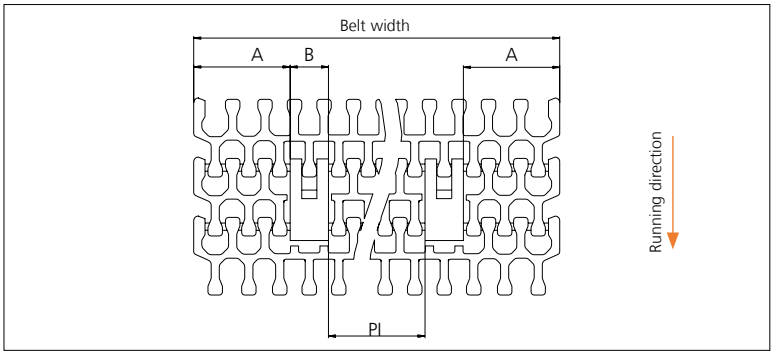
### AmFlight






| Type | Material & color | H | H¹ | | H² | |
|---|---|---|---|---|---|---|
| | | | mm | in | mm | in |
| AmFlight | PE **W** | H > H¹ | 25.4 | 1.00 | 26.0 | 1.02 |

Other Non Standard option: See uni AmFlight Overview.



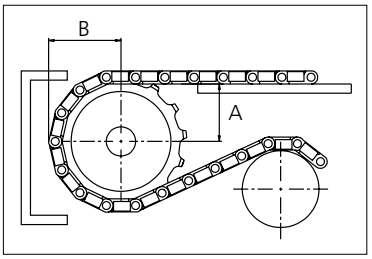

| | mm | in |
|---|---|---|
| **A min** | 83.0 | 3.27 |
| **B** | 33.0 | 1.30 |
| **Pl min** | 68.5 | 2.70 |

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 LG PA6 | Machined PA6 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 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 | 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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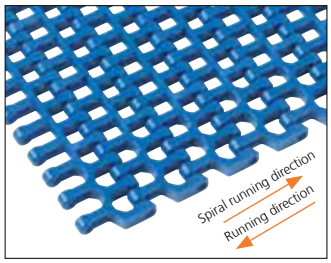
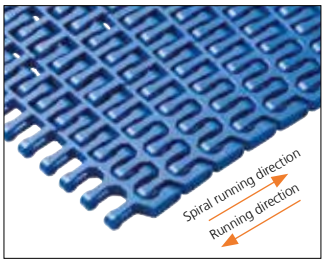
# Plastic Modular Belt

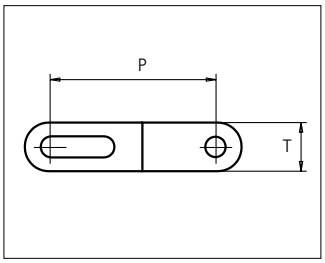
## Series **uni Flex L-ASB**



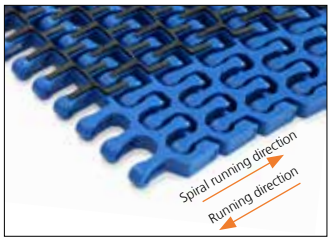

**50% Open Radius 1.6**



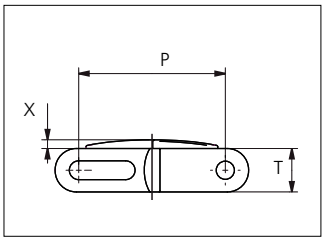

**47% Open Radius 2.2**



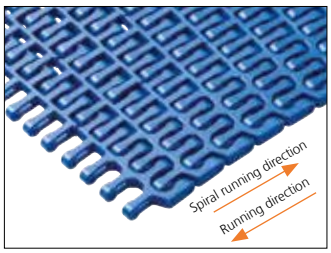

Sideflexing belt
Nominal pitch: 50.8 mm (2.00 in)
Surface type: Flat
Surface opening: 47%/50%
Backflex radius: 100.0 mm (3.94 in)
Pin diameter: 6 mm (0.24 in)
Min. inside radius: R1.6 x belt width, R2.2 x belt width



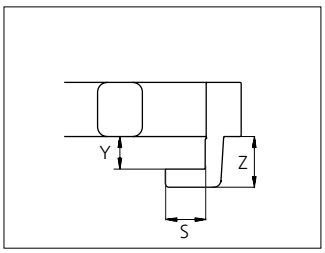

**47/50% Open Rubber Top Radius 2.2**

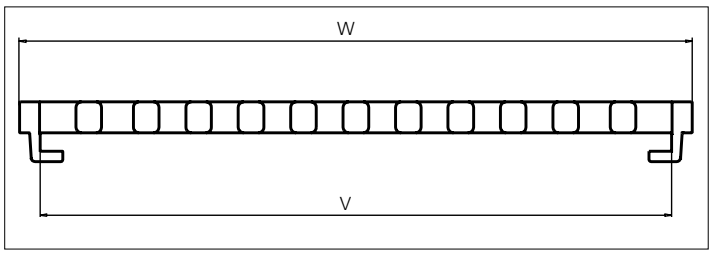



uni Flex L-ASB Rubber Top Radius 2.2: Indent min. 71.0 mm (2.80 in) and Increment 25.4 mm (1.00)
uni Flex L-ASB Rubber Top R1.6: Indent min. 97.0 mm (3.82 in) and Increment 25.4 mm (1.00 in).




**47% Open Tab Radius 2.2**




| Type | Belt materials and colors | Pin materials and colors |
|---|---|---|
| **47% Open Radius 2.2**<br>**47% Open Tab Radius 2.2**<br>**50% Open Radius 1.6** | POM-D **B** **W** | PA6.6 **B** |
| | PP **B** **W** | |
| **47% Open Rubber Top Radius 2.2**<br>**47% Open Rubber Top Tab Radius 2.2**<br>**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 | | | | | | | | |
| 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 |

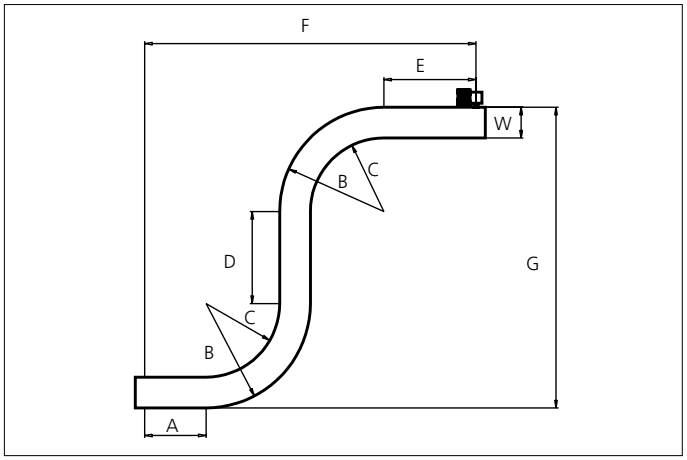
Additional non-standard belt widths are available in steps of 25.4 mm (1.00 in).
General belt tolerance is +0/-0.4% at 23°C/73°F. For exact belt width contact Customer Service. Non standard belt width on request.
*Max. Load per Drive Sprocket. Belt material: POM-D 2500 N (562 lbf), PP 1200 N (270 lbf).
**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 | | | | | | | | |
| 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



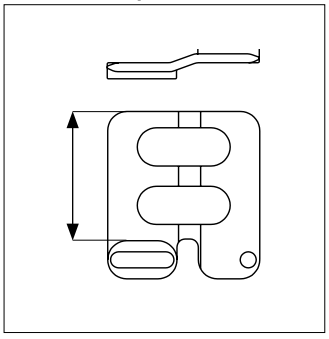

| | 47% Open Radius 2.2<br>47% Open Radius 2.2 | 50% Open<br>Radius 1.6 (inside) |
|---|---|---|
| **A** | min. 1.5 x W | min. 1.5 x W |
| **B** | min. 3.2 x W | min. 2.6 x W |
| **C** | min. 2.2 x W | min. 1.6 x W |
| **D** | min. 2.0 x W | min. 2.0 x W |
| **E** | min. 2.0 x W | min. 2.0 x W |
| **F** | 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.

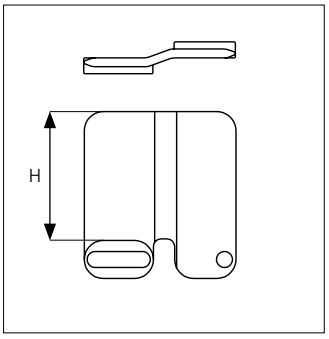
## Accessories

### Side Guard

### Side Guard Open



### Side Guard

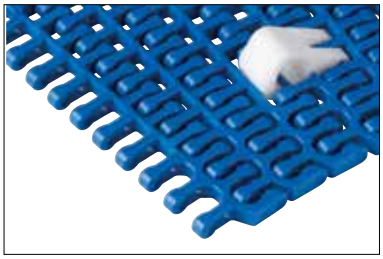


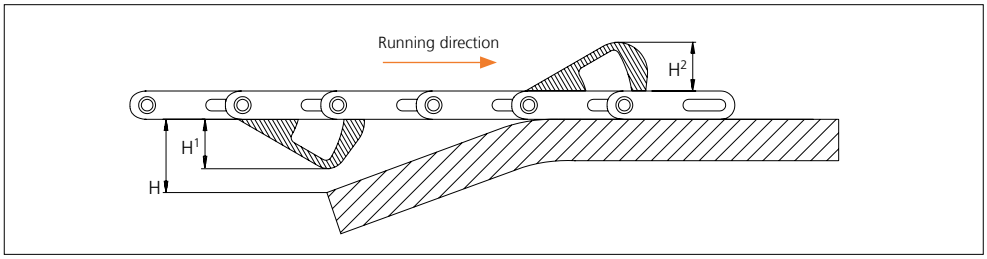

| Type | Side Guard<br>Material & color | H | |
|---|---|---|---|
| | | mm | in |
| Side Guard | POM-D **B** **W** | 10.0<br>25.4<br>50.0 | 0.39<br>1.00<br>1.97 |
| Side Guard Open | | 50.0 | 1.97 |

* 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

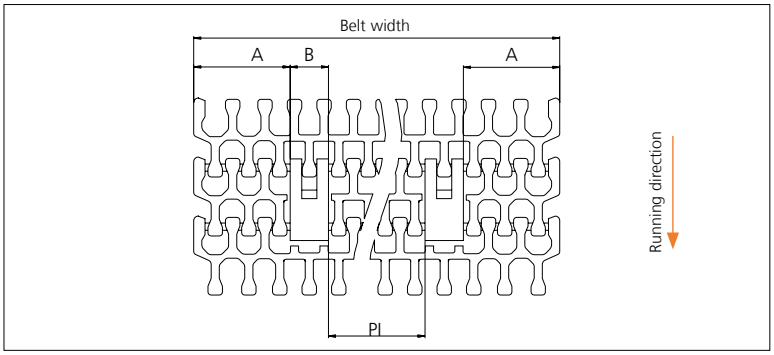
### AmFlight






| Type | Material & color | H | H¹ | | H² | |
|---|---|---|---|---|---|---|
| | | | mm | in | mm | in |
| AmFlight | PE **W** | H > H¹ | 25.4 | 1.00 | 26.0 | 1.02 |

Other Non Standard option: See uni AmFlight Overview.



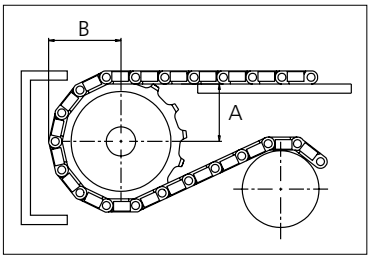

| | mm | in |
|---|---|---|
| **A min** | 83.0 | 3.27 |
| **B** | 33.0 | 1.30 |
| **Pl min** | 68.5 | 2.70 |

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 LG PA6 | Machined PA6 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 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 | 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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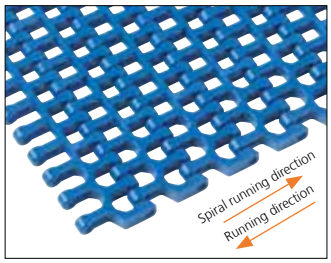
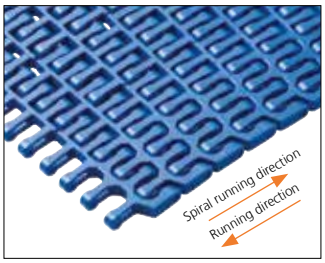
www.unichains.com

# Plastic Modular Belt

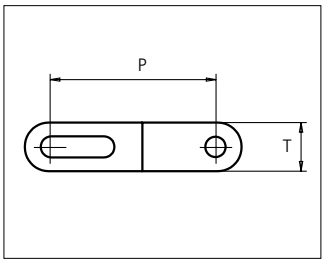
## Series **uni Flex L-ASB**



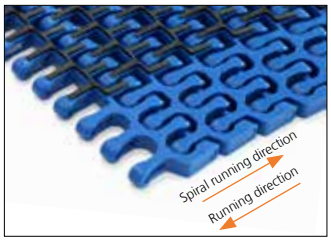

**50% Open Radius 1.6**



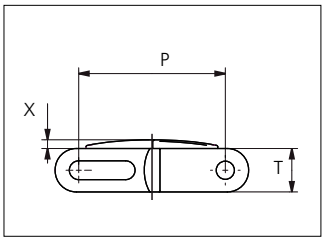

**47% Open Radius 2.2**



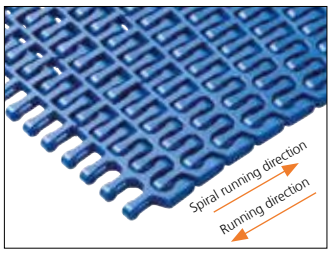

Sideflexing belt
Nominal pitch: 50.8 mm (2.00 in)
Surface type: Flat
Surface opening: 47%/50%
Backflex radius: 100.0 mm (3.94 in)
Pin diameter: 6 mm (0.24 in)
Min. inside radius: R1.6 x belt width, R2.2 x belt width



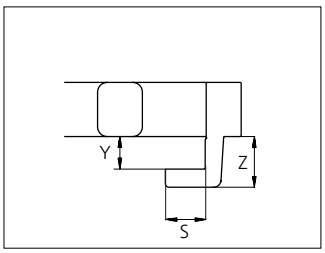

**47/50% Open Rubber Top Radius 2.2**

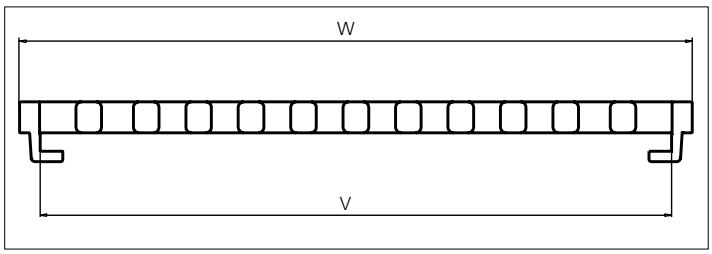



uni Flex L-ASB Rubber Top Radius 2.2: Indent min. 71.0 mm (2.80 in) and Increment 25.4 mm (1.00)
uni Flex L-ASB Rubber Top R1.6: Indent min. 97.0 mm (3.82 in) and Increment 25.4 mm (1.00 in).




**47% Open Tab Radius 2.2**




| Type | Belt materials and colors | Pin materials and colors |
|---|---|---|
| **47% Open Radius 2.2**<br>**47% Open Tab Radius 2.2**<br>**50% Open Radius 1.6** | POM-D **B** **W** | PA6.6 **B** |
| | PP **B** **W** | |
| **47% Open Rubber Top Radius 2.2**<br>**47% Open Rubber Top Tab Radius 2.2**<br>**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 | | | | | | | | |
| 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 |

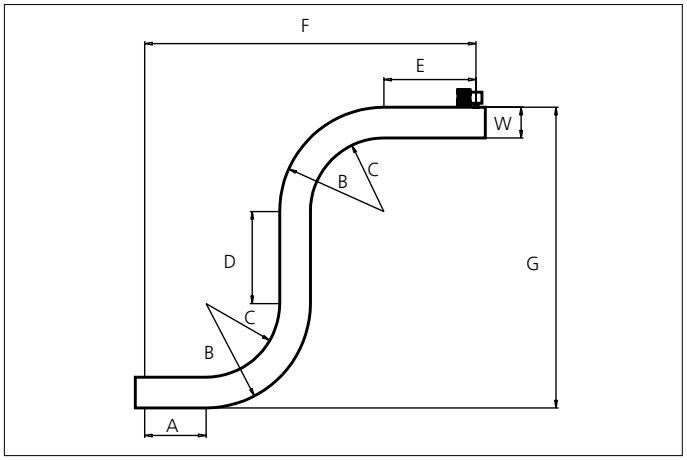
Additional non-standard belt widths are available in steps of 25.4 mm (1.00 in).
General belt tolerance is +0/-0.4% at 23°C/73°F. For exact belt width contact Customer Service. Non standard belt width on request.
*Max. Load per Drive Sprocket. Belt material: POM-D 2500 N (562 lbf), PP 1200 N (270 lbf).
**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 | | | | | | | | |
| 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



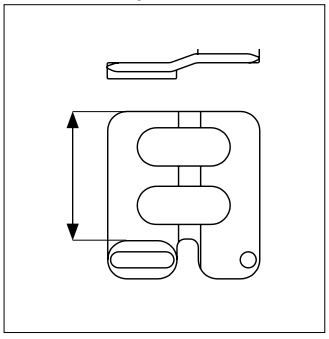

| | 47% Open Radius 2.2<br>47% Open Radius 2.2 | 50% Open<br>Radius 1.6 (inside) |
|---|---|---|
| **A** | min. 1.5 x W | min. 1.5 x W |
| **B** | min. 3.2 x W | min. 2.6 x W |
| **C** | min. 2.2 x W | min. 1.6 x W |
| **D** | min. 2.0 x W | min. 2.0 x W |
| **E** | min. 2.0 x W | min. 2.0 x W |
| **F** | 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.

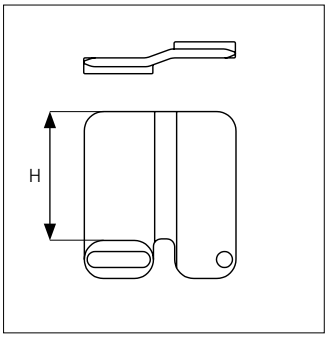
## Accessories

### Side Guard

### Side Guard Open



### Side Guard

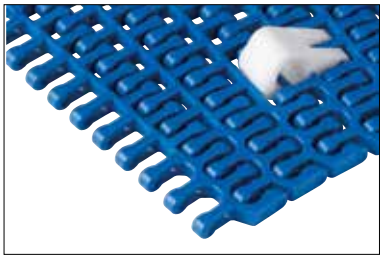


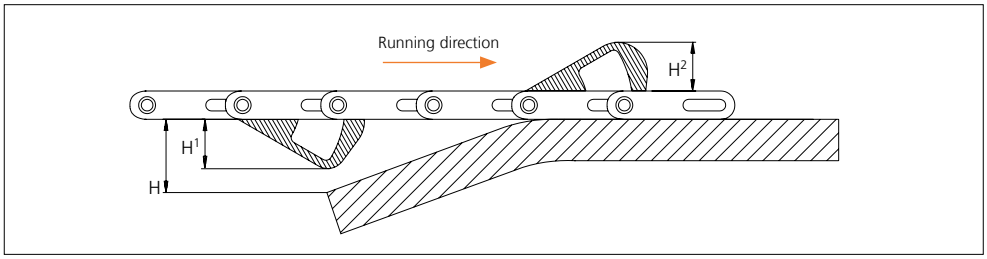

| Type | Side Guard<br>Material & color | H | |
|---|---|---|---|
| | | mm | in |
| Side Guard | POM-D **B** **W** | 10.0<br>25.4<br>50.0 | 0.39<br>1.00<br>1.97 |
| Side Guard Open | | 50.0 | 1.97 |

* 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

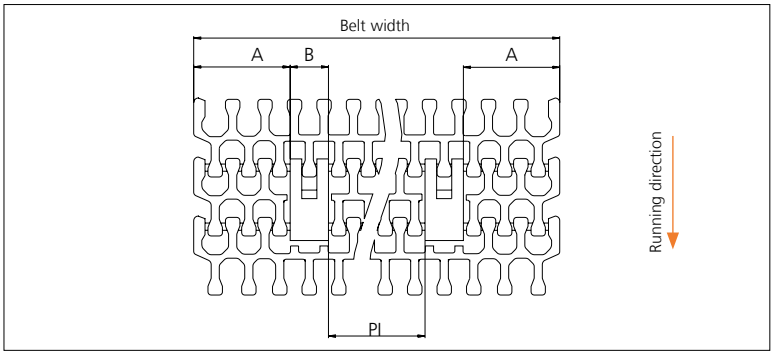
### AmFlight






| Type | Material & color | H | H¹ | | H² | |
|---|---|---|---|---|---|---|
| | | | mm | in | mm | in |
| AmFlight | PE **W** | H > H¹ | 25.4 | 1.00 | 26.0 | 1.02 |

Other Non Standard option: See uni AmFlight Overview.



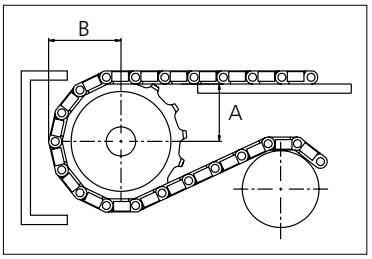

| | mm | in |
|---|---|---|
| **A min** | 83.0 | 3.27 |
| **B** | 33.0 | 1.30 |
| **Pl min** | 68.5 | 2.70 |

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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 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 | 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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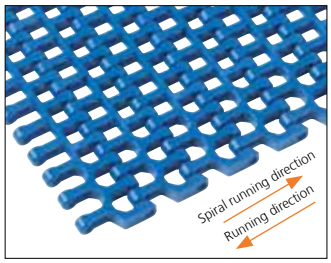
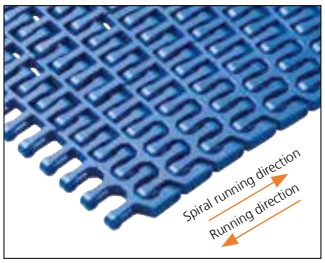
# Plastic Modular Belt

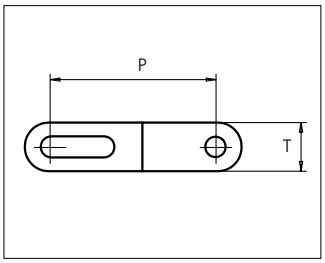
## Series **uni Flex L-ASB**



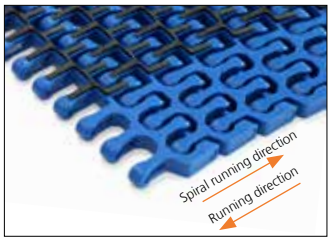

**50% Open Radius 1.6**



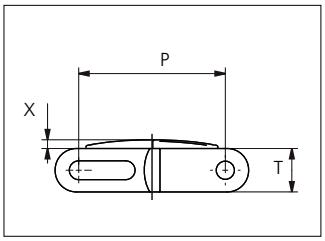

**47% Open Radius 2.2**



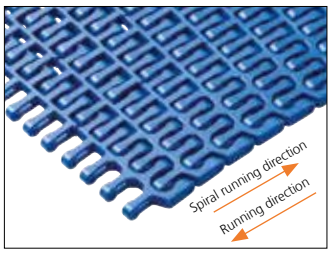

Sideflexing belt
Nominal pitch: 50.8 mm (2.00 in)
Surface type: Flat
Surface opening: 47%/50%
Backflex radius: 100.0 mm (3.94 in)
Pin diameter: 6 mm (0.24 in)
Min. inside radius: R1.6 x belt width, R2.2 x belt width



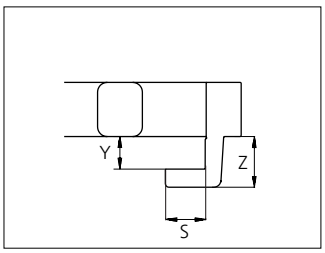

**47/50% Open Rubber Top Radius 2.2**

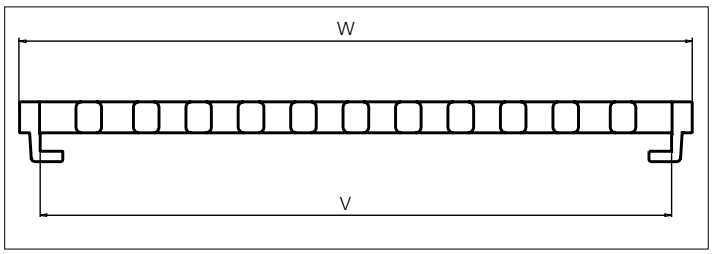



uni Flex L-ASB Rubber Top Radius 2.2: Indent min. 71.0 mm (2.80 in) and Increment 25.4 mm (1.00)
uni Flex L-ASB Rubber Top R1.6: Indent min. 97.0 mm (3.82 in) and Increment 25.4 mm (1.00 in).




**47% Open Tab Radius 2.2**




| Type | Belt materials and colors | Pin materials and colors |
|---|---|---|
| **47% Open Radius 2.2**<br>**47% Open Tab Radius 2.2**<br>**50% Open Radius 1.6** | POM-D **B** **W** | PA6.6 **B** |
| | PP **B** **W** | |
| **47% Open Rubber Top Radius 2.2**<br>**47% Open Rubber Top Tab Radius 2.2**<br>**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 | | | | | | | | |
| 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 |

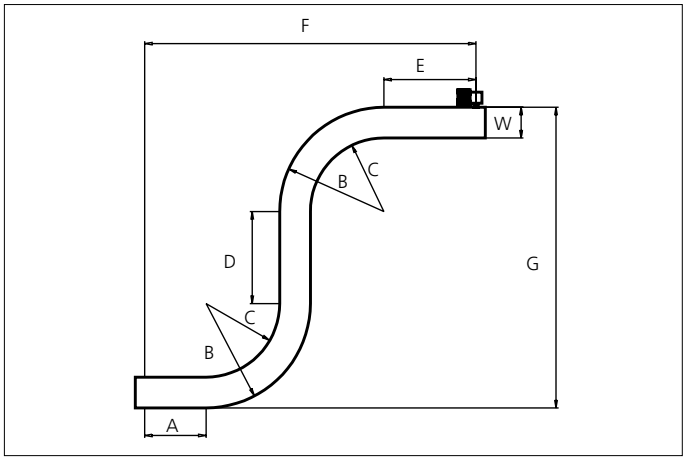
Additional non-standard belt widths are available in steps of 25.4 mm (1.00 in).
General belt tolerance is +0/-0.4% at 23°C/73°F. For exact belt width contact Customer Service. Non standard belt width on request.
*Max. Load per Drive Sprocket. Belt material: POM-D 2500 N (562 lbf), PP 1200 N (270 lbf).
**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 | | | | | | | | |
| 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



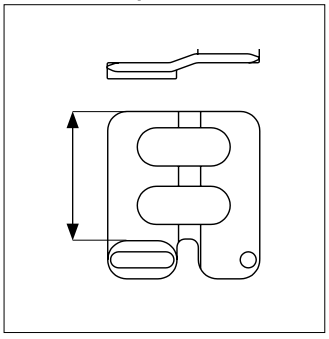

| | 47% Open Radius 2.2<br>47% Open Radius 2.2 | 50% Open<br>Radius 1.6 (inside) |
|---|---|---|
| **A** | min. 1.5 x W | min. 1.5 x W |
| **B** | min. 3.2 x W | min. 2.6 x W |
| **C** | min. 2.2 x W | min. 1.6 x W |
| **D** | min. 2.0 x W | min. 2.0 x W |
| **E** | min. 2.0 x W | min. 2.0 x W |
| **F** | 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.

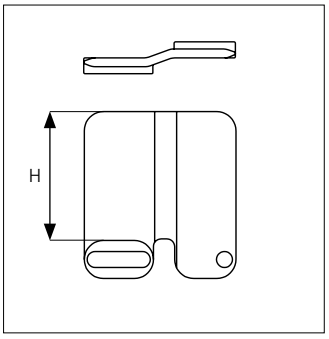
## Accessories

### Side Guard

### Side Guard Open



### Side Guard

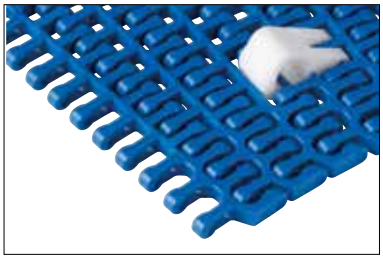


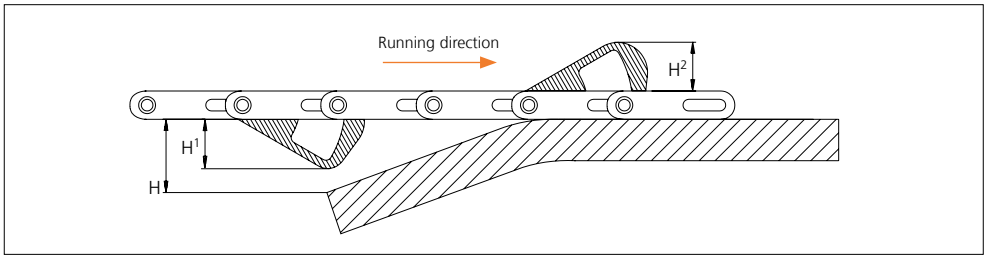

| Type | Side Guard<br>Material & color | H | |
|---|---|---|---|
| | | mm | in |
| Side Guard | POM-D **B** **W** | 10.0<br>25.4<br>50.0 | 0.39<br>1.00<br>1.97 |
| Side Guard Open | | 50.0 | 1.97 |

* 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

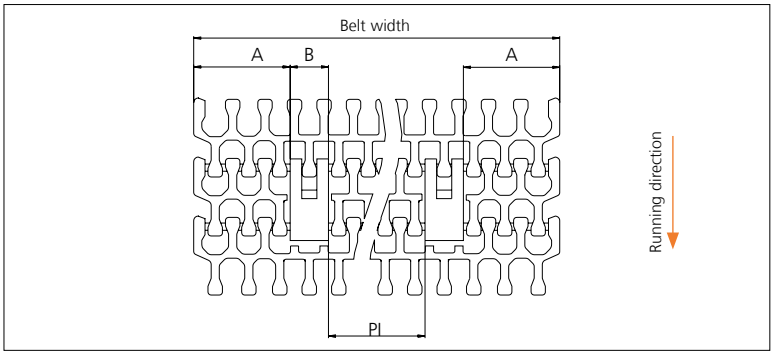
### AmFlight






| Type | Material & color | H | H¹ | | H² | |
|---|---|---|---|---|---|---|
| | | | mm | in | mm | in |
| AmFlight | PE **W** | H > H¹ | 25.4 | 1.00 | 26.0 | 1.02 |

Other Non Standard option: See uni AmFlight Overview.



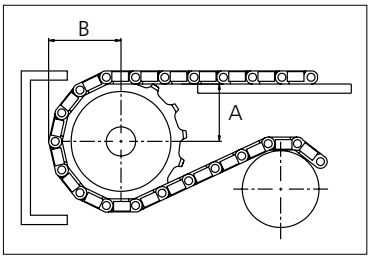

| | mm | in |
|---|---|---|
| **A min** | 83.0 | 3.27 |
| **B** | 33.0 | 1.30 |
| **Pl min** | 68.5 | 2.70 |

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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 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 | 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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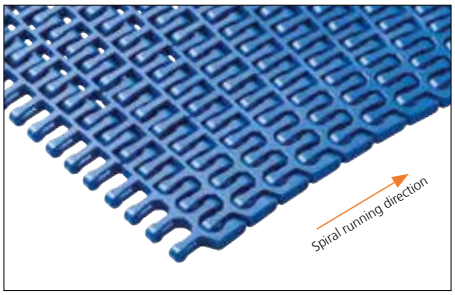
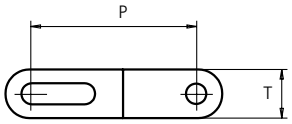
Ammeraal Beltech
Innovation & Service in Belting

# Plastic Modular Belt

## Series **uni Flex L-ASB** Type **47% Open Radius 2.5/3.0/3.5/4.0**




Sideflexing belt
Nominal pitch: 50.8 mm (2.00 in)
Surface type: Flat
Surface opening: 47%/50%
Backflex radius: 65.0 mm (2.56 in)
Pin diameter: 6 mm (0.24 in)
Min. inside radius:
2.5 / 3.0 / 3.5 / 4.0 x belt width

| | |
|---|---|
| **Recommended Belt material & color** | POM-D B |
| **Recommended Pin material & color** | PA6.6 B |

| | mm | in |
|---|---|---|
| **P (Nominal)** | 50.8 | 2.00 |
| **T** | 15.0 | 0.59 |

Other non standard material and color: See uni Material and Color Overview.
Alternative pin and lock: Snap Pin A1

| 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 | | | | | | | | |
| 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).

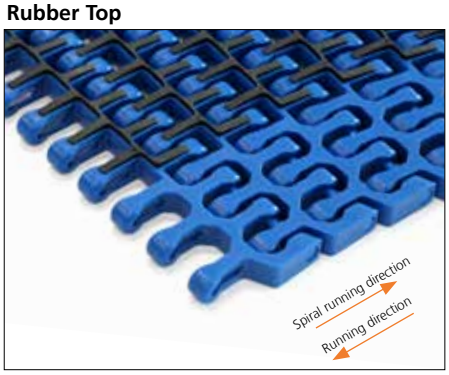
= Single Link

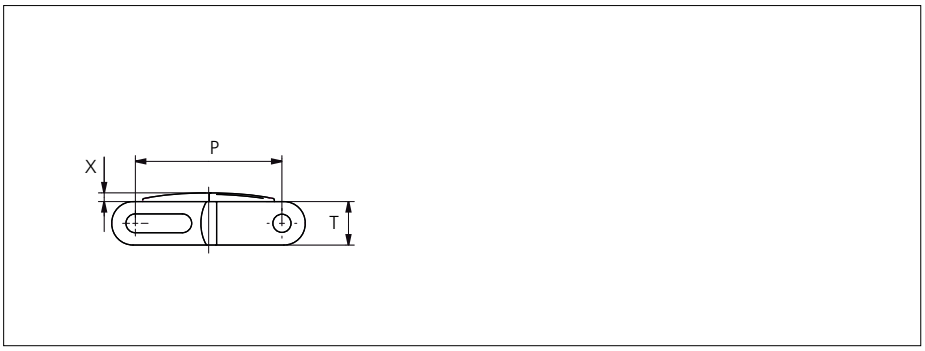
NON STANDARD
SIDE FLEXING
PITCH 25.4 MM/1.00 IN

uni chains

## Accessories

### Rubber Top



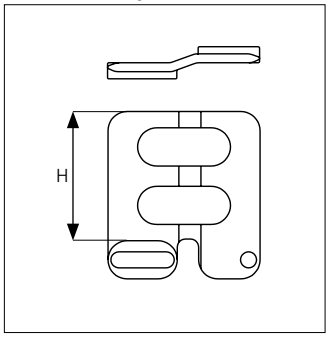

| Type | Recommended belt materials and colors | Recommended pin materials and colors | P | | T | | X | |
|---|---|---|---|---|---|---|---|---|
| | | | mm | in | mm | in | mm | in |
| **47% Open Rubber Top Radius 2.2**<br>**47% Open Rubber Top Tab Radius 2.2**<br>**50% Open Rubber Top Radius 1.6** | PP B + 03 K | PA6.6 B | 50.8 | 2.00 | 15.0 | 0.59 | 3.0 | 0.12 |

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).

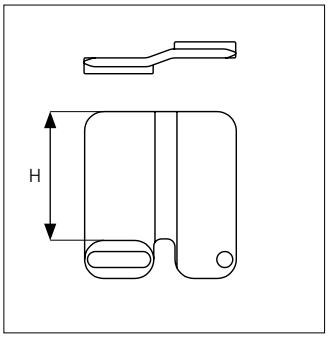
## Accessories

### Side Guard

### Side Guard Open

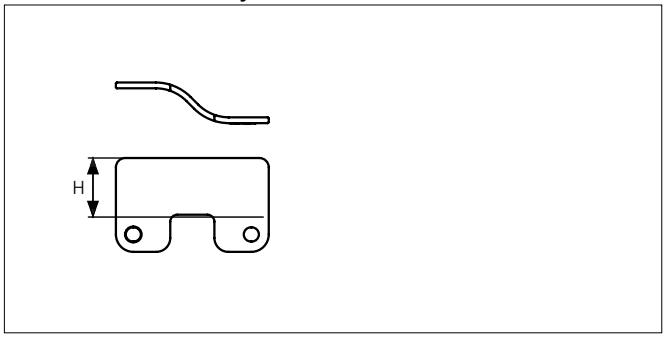



### Side Guard




### Side Guard Outside Only

### Side Guard Outside Only



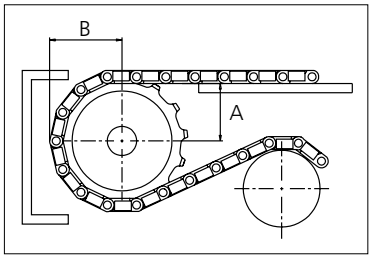

| Type | Recommended Material & color | H | |
|---|---|---|---|
| | | mm | in |
| Side Guard | POM-D B | 10.0<br>25.4<br>50.0 | 0.39<br>1.00<br>1.97 |
| Side Guard Open | | 50.0 | 1.97 |
| Side Guard Outside Only | | 25.4 | 1.00 |

* 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.

## Sprocket

| No. of teeth | Bore size | | | | | | | | | | | | | Overall diameter | | Pitch diameter | | Hub diameter | | Dimension A | | Dimension B | | Single row/Two way | Double row/Two way | LG PA6 Molded | N PA6 Machined |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 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 | 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.

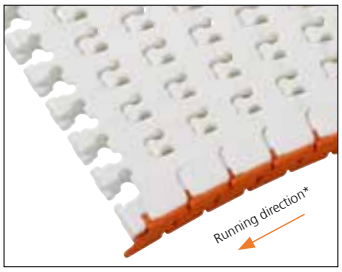
Other sprocket sizes are available upon request
Two-part sprocket are available upon request
Other bore sizes are available upon request
uni Retainer Rings: See uni Retainer Ring data sheet
Width of tooth = 7.0 mm (0.28 in)
Width of sprocket = 30.0 mm (1.18 in)

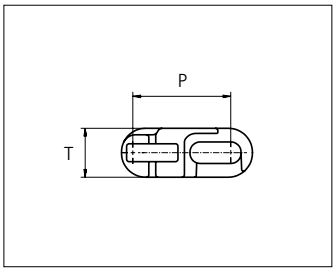
Max. load per sprocket shown does not take bore size into account.
Please also ensure that sufficient size shaft is chosen for corresponding load.

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

# Plastic Modular Belt

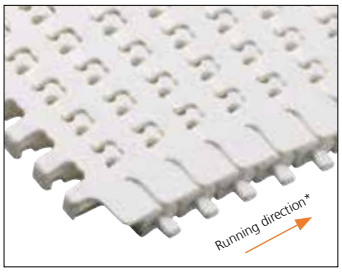
## Series **uni Flex ONE**

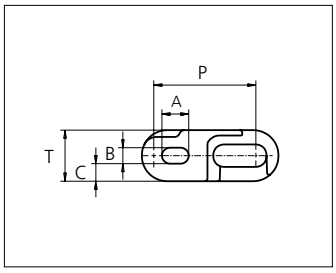


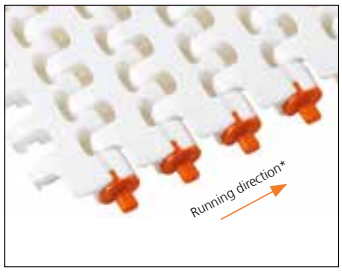

Sideflexing belt
Nominal pitch: 38.1 mm (1.50 in)
Surface type: Flat
Surface opening: 15%
Backflex radius: 50.0 mm (1.97 in)
Min. inside radius R1.6 x belt width

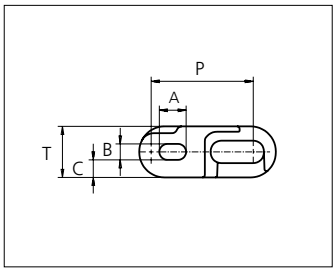
**uni Flex ONE EWC R1.6**
Surface Opening: 15%



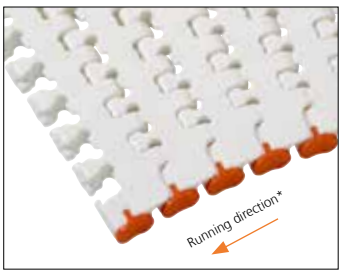



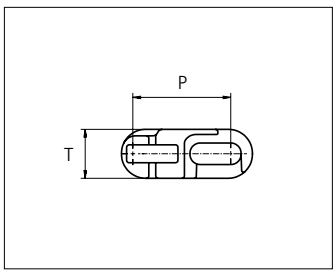

**uni Flex ONE O R1.6**
Surface Opening: 15%



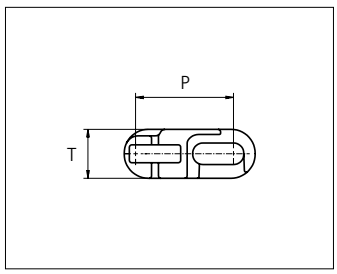




**uni Flex ONE EO R1.6**
Surface Opening: 15%



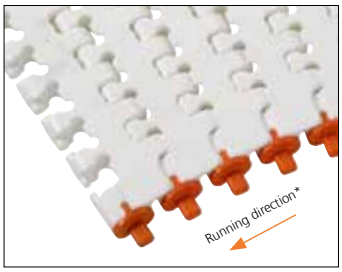



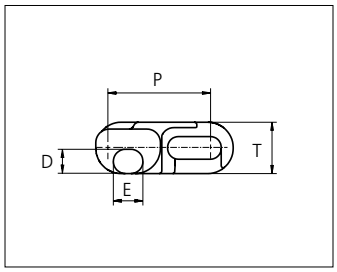

**uni Flex ONE EW R1.6**
Surface Opening: 15%


**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 reccomends 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**<br>K1200, K1500, K1800: POM DK **O**<br>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

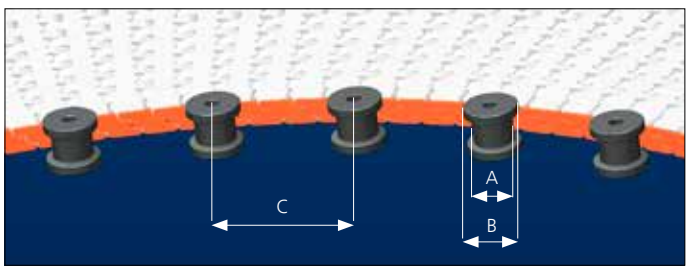
PITCH 38.1 MM/1.50 IN

| 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) |
| | | | | Straight sections | | Curve sections | | | | | | |
| Size | mm | in | | N | lbf | N | lbf | kg/m | lb/ft | | | |
| 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

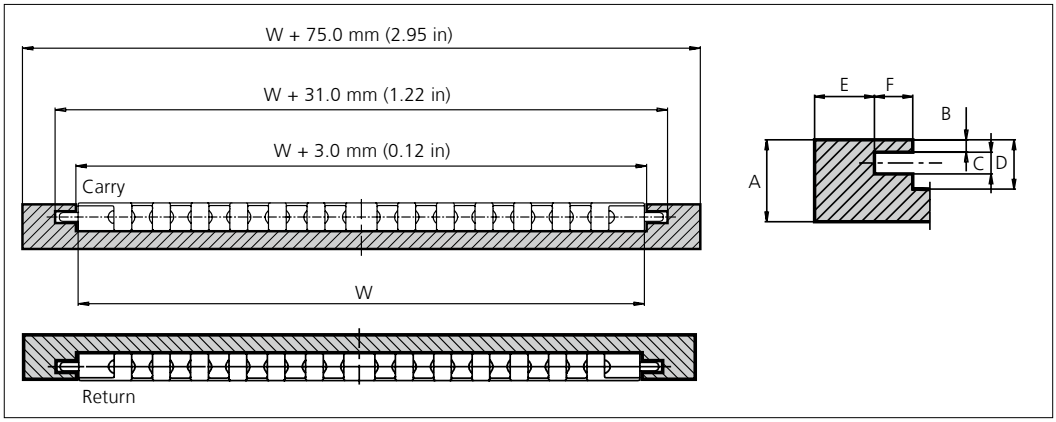
### uni Flex One EWC




| | mm | in |
|---|---|---|
| A | min ø30 | min ø1¼ |
| B | A + min 12 | A + min ½ |
| C | 100-150 | 4-6 |

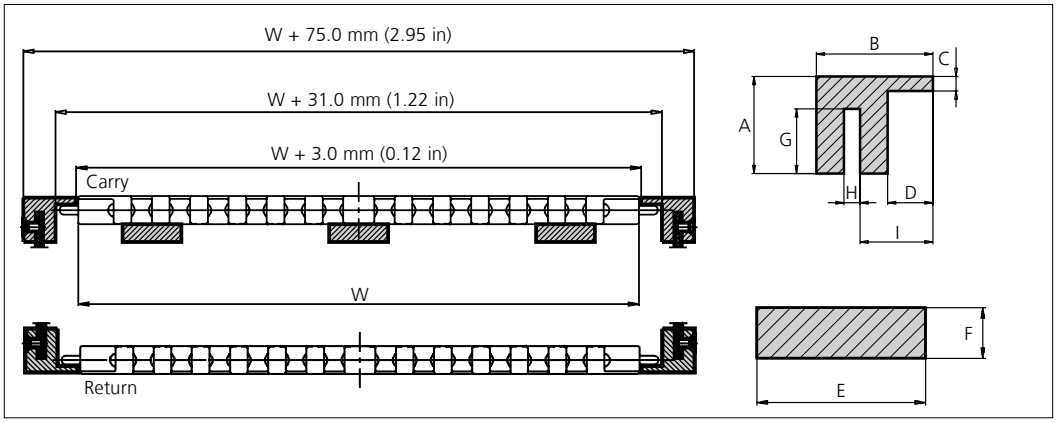
# Profiles for uni Flex ONE O/EO

## Compact Profile Configuration



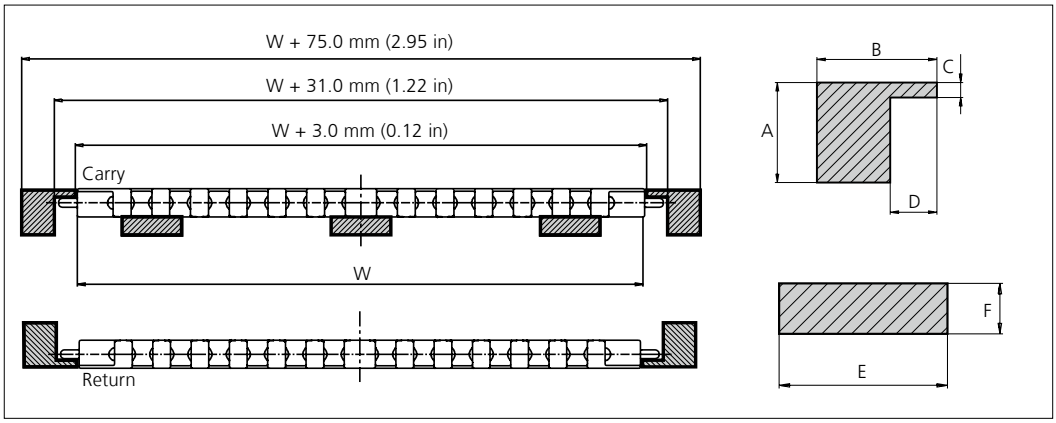

| | mm | in |
|---|---|---|
| **A** | 30.0 | 1.18 |
| **B** | 4.5 | 0.18 |
| **C** | 8.0 | 0.31 |
| **D** | 18.0 | 0.71 |
| **E** | 22.0 | 0.87 |
| **F** | 14.0 | 0.55 |

## 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



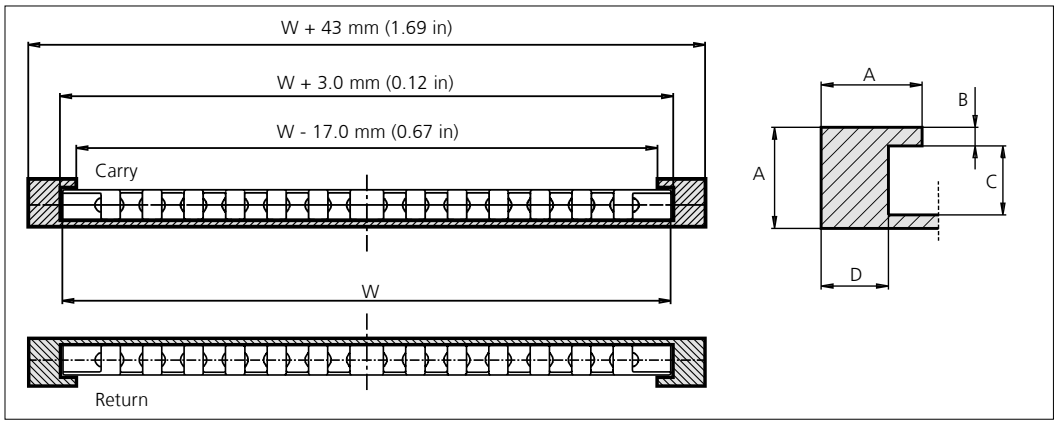

| | mm | in |
|---|---|---|
| **A** | 30.0 | 1.18 |
| **B** | 36.0 | 1.42 |
| **C** | 4.5 | 0.18 |
| **D** | 14.0 | 0.55 |
| **E** | 40.0 | 1.57 |
| **F** | 12.0 | 0.47 |

**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 ider 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.

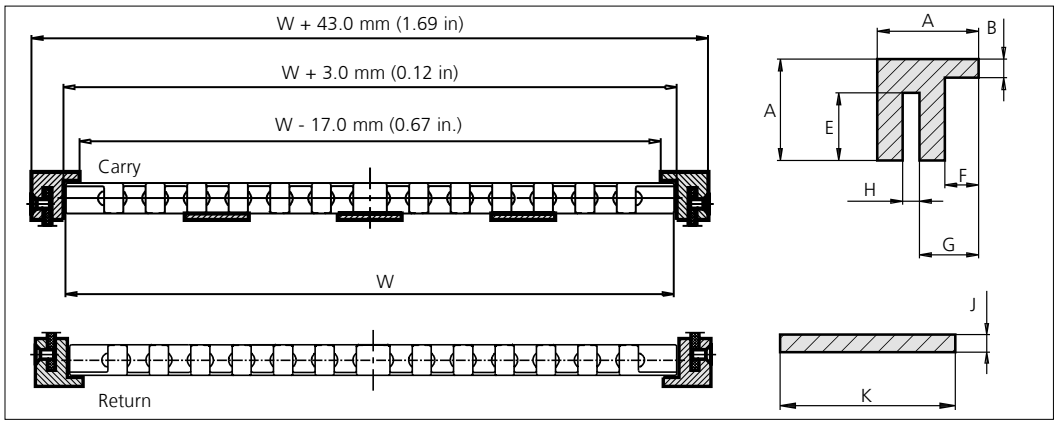
# Profiles for uni Flex ONE EW/ER

## Compact Profile Configuration



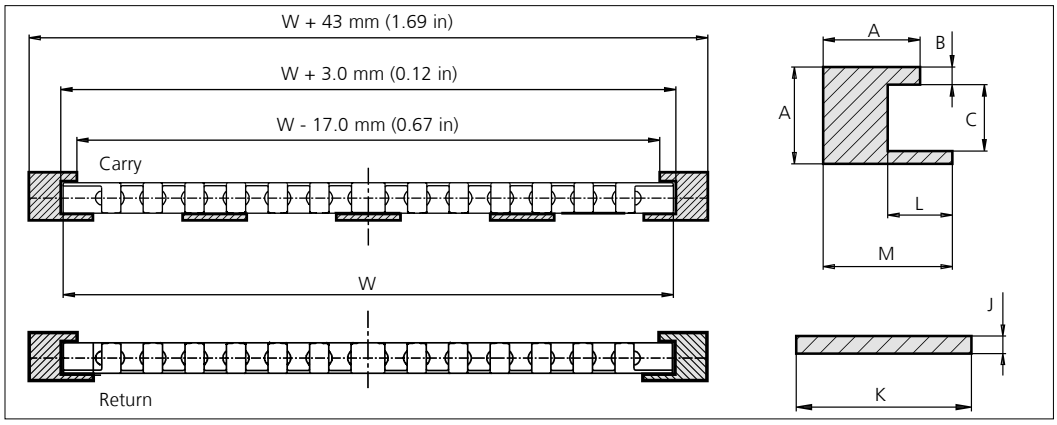

| | mm | in |
|---|---|---|
| **A** | 30.0 | 1.18 |
| **B** | 5.5 | 0.22 |
| **C** | 20.5 | 0.81 |
| **D** | 20.0 | 0.79 |

## 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



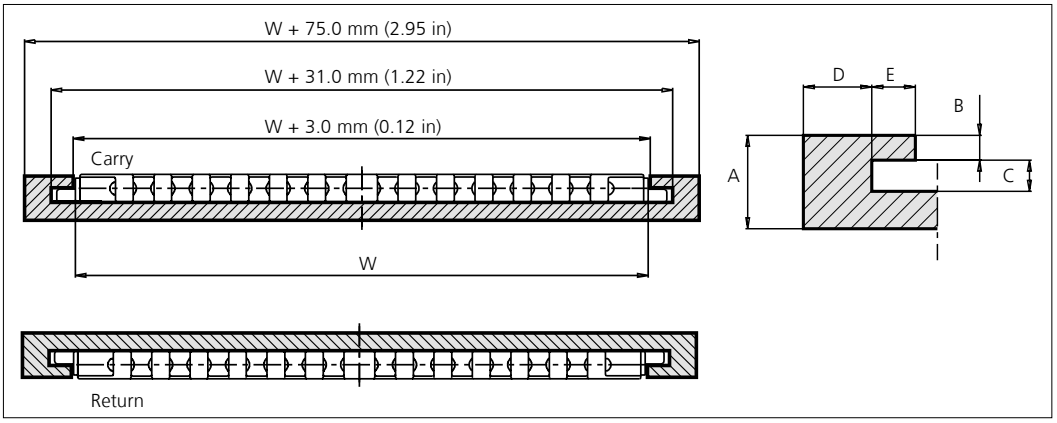

| | mm | in |
|---|---|---|
| **A** | 30.0 | 1.18 |
| **B** | 5.5 | 0.22 |
| **C** | 20.5 | 0.81 |
| **J** | 4.0 | 0.16 |
| **K** | 40.0 | 1.57 |
| **L** | 20.0 | 0.79 |
| **M** | 40.0 | 1.57 |

**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.

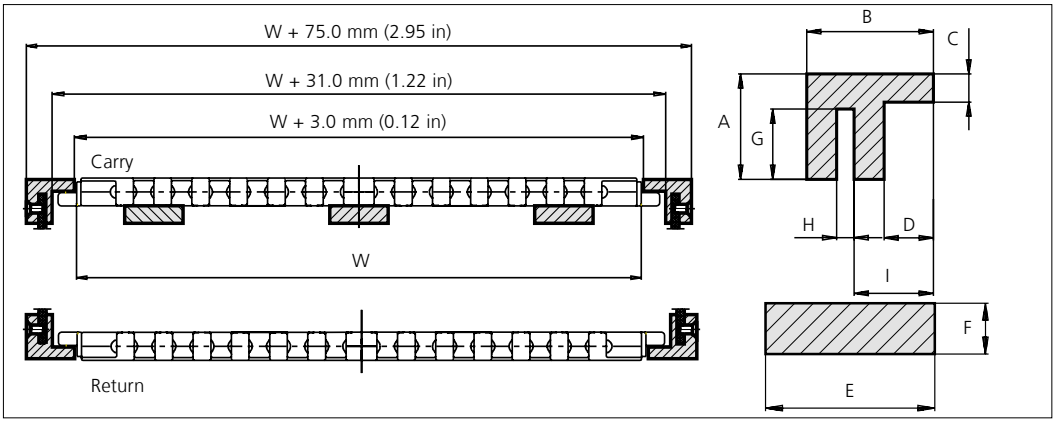
# Profiles for uni Flex ONE EOO

## Compact Profile Configuration



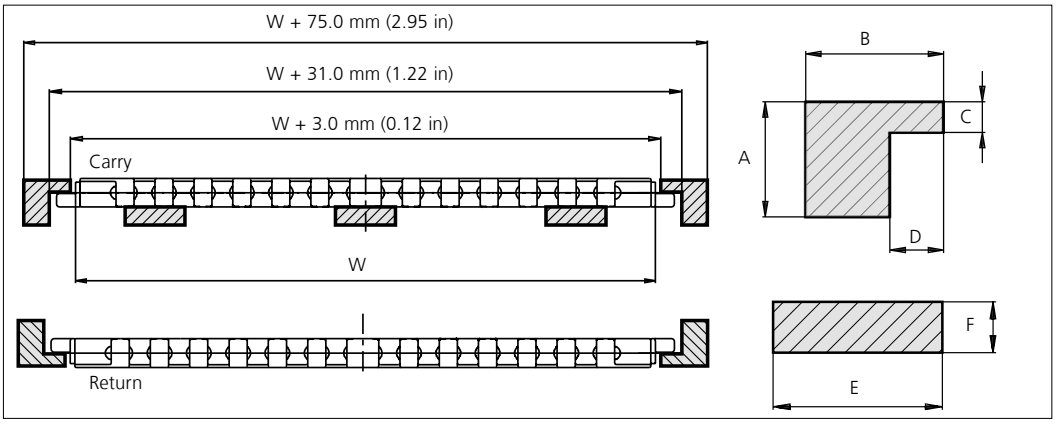

| | mm | in |
|---|---|---|
| **A** | 30.0 | 1.18 |
| **B** | 8.0 | 0.31 |
| **C** | 10.0 | 0.39 |
| **D** | 22.0 | 0.87 |
| **E** | 14.0 | 0.55 |

## 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

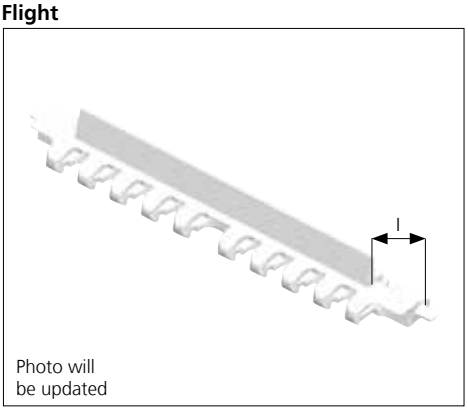


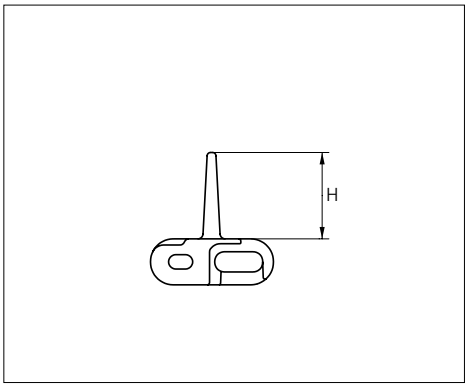

| | mm | in |
|---|---|---|
| **A** | 30.0 | 1.18 |
| **B** | 36.0 | 1.42 |
| **C** | 8.0 | 0.31 |
| **D** | 14.0 | 0.55 |
| **E** | 40.0 | 1.57 |
| **F** | 12.0 | 0.47 |

**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



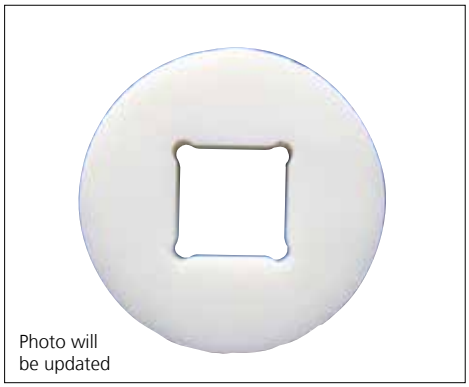




| Type | Standard belt material & color | Height (H) | | Indent (I) | | Link size | Width | |
|---|---|---|---|---|---|---|---|---|
| | | mm | in | mm | in | | mm | in |
| Flight | POM-SX W B * | 25.4 | 1.00 | 32.0 | 1.26 | K1200 | 304.8 | 12.0 |

* 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

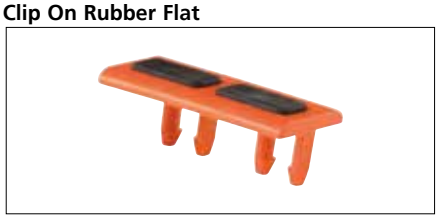


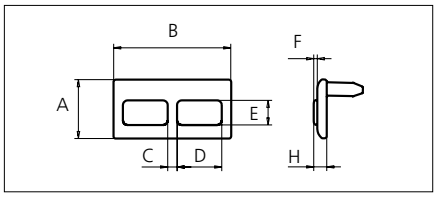

| Type | Standard material & color | No. of teeth | Diameter idler | |
|---|---|---|---|---|
| | | | mm | in |
| Idler | POM-D N | 8 | 72.9 | 2.87 |
| | | 9 | 85.6 | 3.37 |
| | | 11 | 110.7 | 4.36 |
| | | 12 | 123.1 | 4.85 |
| | | 13 | 135.5 | 5.33 |
| | | 16 | 172.4 | 6.79 |

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

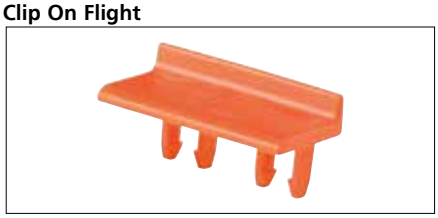


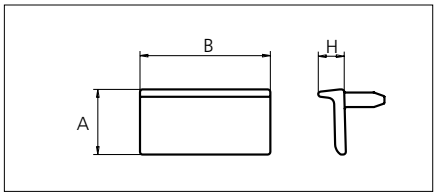



| | mm | in |
|---|---|---|
| A | 25.0 | 0.98 |
| B | 50.0 | 1.97 |
| C | 4.0 | 0.16 |
| D | 19.0 | 0.75 |
| E | 10.5 | 0.41 |
| F | 1.5 | 0.06 |

## Accessories

### Clip On Flight



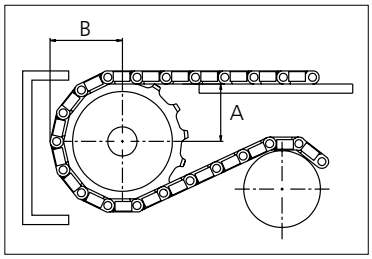



| Type | Height (H) | | Standard materials & colors |
|---|---|---|---|
| | mm | in | |
| uni Flex ONE Clip On Rubber Flat | 5.5 | 0.22 | POM-D O + Rubber 01 K |
| uni Flex ONE Clip On Flight | 10.0 | 0.39 | POM-D O |

## Sprocket

| No. of teeth | Bore size | | | | | | | | | | | | | Overall diameter | | Pitch diameter | | Hub diameter | | Dimension A | | Dimension B | | Single row/Two way | Double row/Two way | PA6 LG Molded | PA6 Machined |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 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 | mm | in | | | | |
| 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**




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

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)

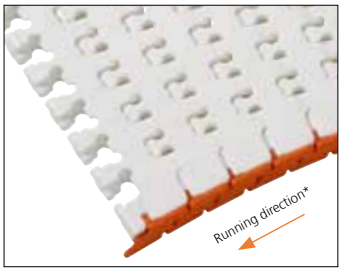
Max. load per sprocket shown does not take bore size into account.
Please also ensure that sufficient size shaft is chosen for corresponding load.

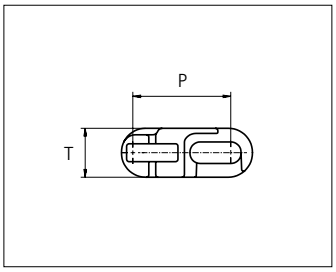
For correct sprocket position: See uni Assembly Instructions for uni Flex ONE.
For more detailed sprocket information, contact Customer Service.

# Plastic Modular Belt

## Series **uni Flex ONE**

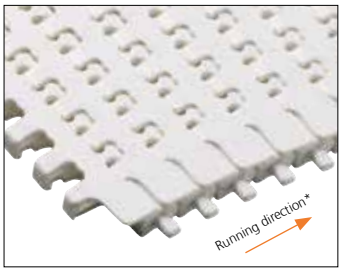


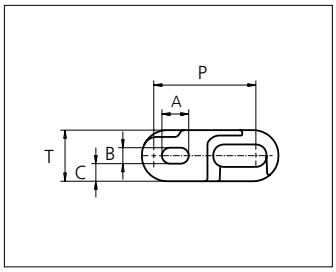


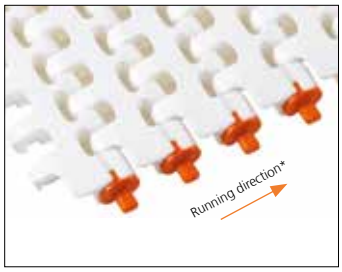

Sideflexing belt
Nominal pitch: 38.1 mm (1.50 in)
Surface type: Flat
Surface opening: 15%
Backflex radius: 50.0 mm (1.97 in)
Min. inside radius R1.6 x belt width

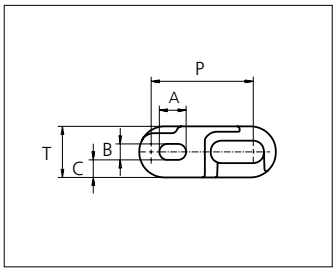
**uni Flex ONE EWC R1.6**
Surface Opening: 15%



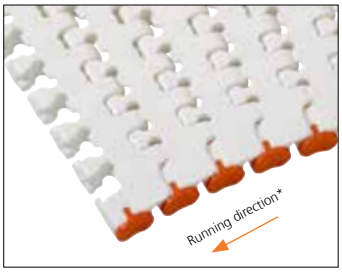



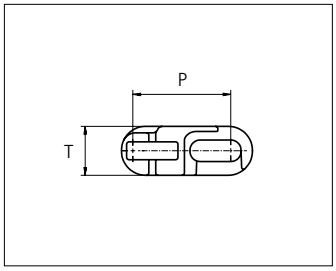

**uni Flex ONE O R1.6**
Surface Opening: 15%



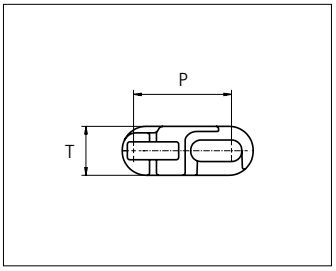




**uni Flex ONE EO R1.6**
Surface Opening: 15%

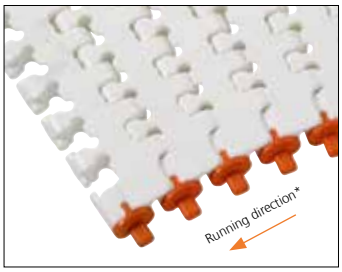


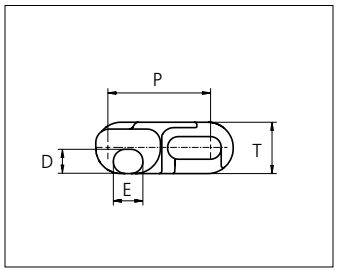




**uni Flex ONE EW R1.6**
Surface Opening: 15%


**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 reccomends 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**<br>K1200, K1500, K1800: POM DK **O**<br>K2400: POM DK **B** |

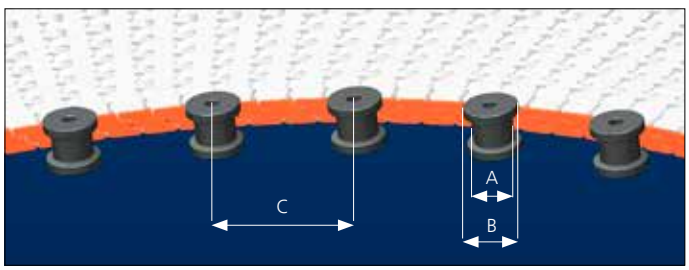
**Please note that uni Flex ONE in POM-SX blue is not according to the standard color quality for blue. Small variations may occur.

| 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) |
| | | | | Straight sections | | Curve sections | | | | | | |
| Size | mm | in | | N | lbf | N | lbf | kg/m | lb/ft | | | |
| 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

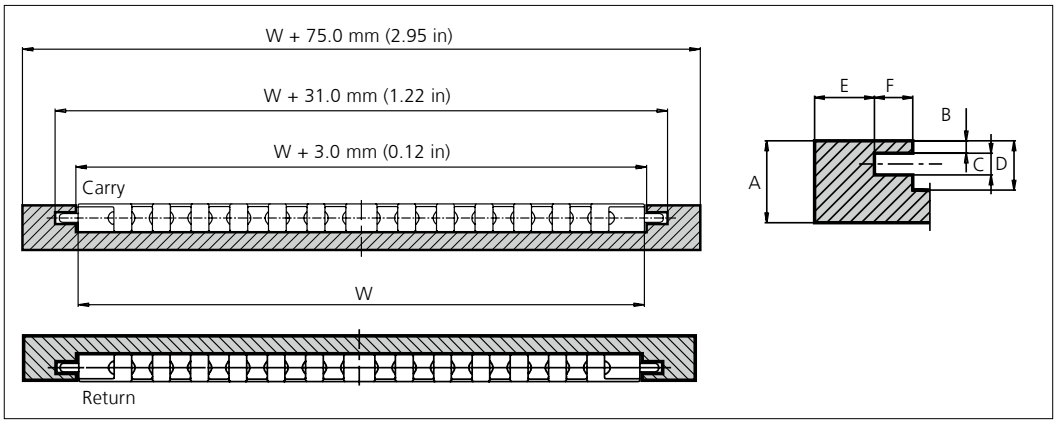
### uni Flex One EWC




| | mm | in |
|---|---|---|
| A | min ø30 | min ø1¼ |
| B | A + min 12 | A + min ½ |
| C | 100-150 | 4-6 |

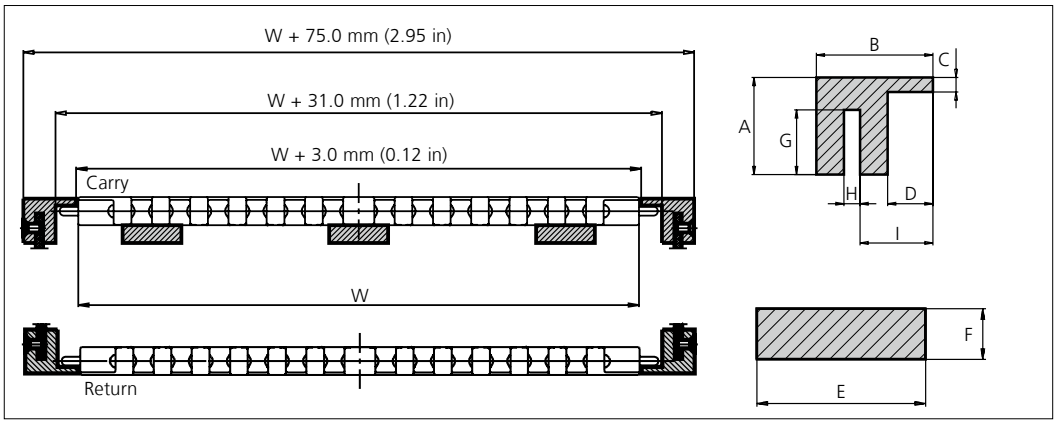
# Profiles for uni Flex ONE O/EO

## Compact Profile Configuration



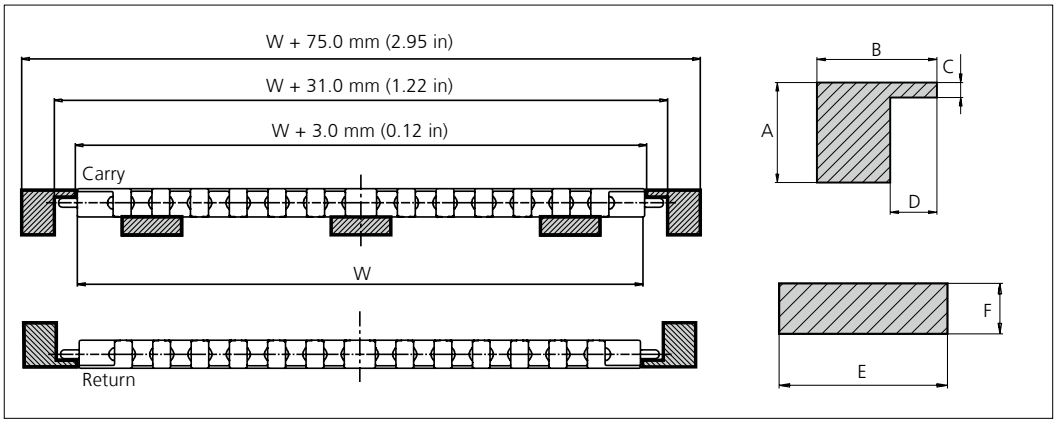

| | mm | in |
|---|---|---|
| **A** | 30.0 | 1.18 |
| **B** | 4.5 | 0.18 |
| **C** | 8.0 | 0.31 |
| **D** | 18.0 | 0.71 |
| **E** | 22.0 | 0.87 |
| **F** | 14.0 | 0.55 |

## 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



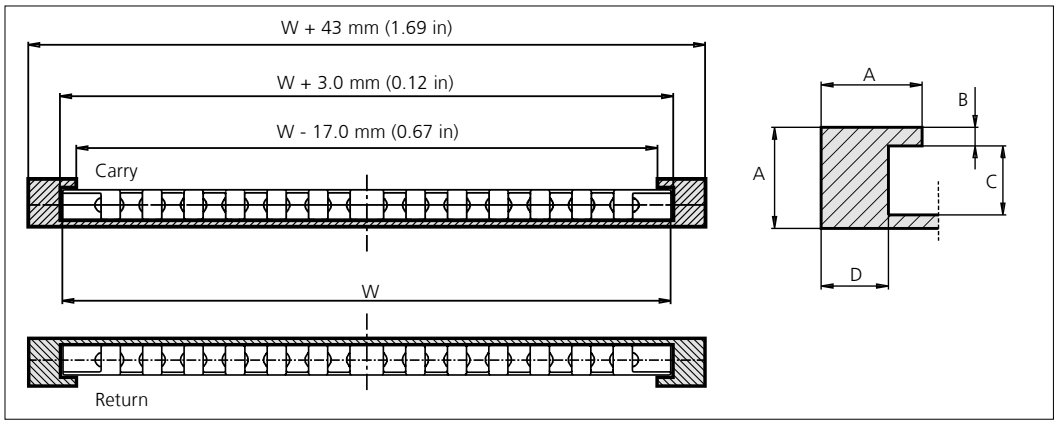

| | mm | in |
|---|---|---|
| **A** | 30.0 | 1.18 |
| **B** | 36.0 | 1.42 |
| **C** | 4.5 | 0.18 |
| **D** | 14.0 | 0.55 |
| **E** | 40.0 | 1.57 |
| **F** | 12.0 | 0.47 |

**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 ider 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.

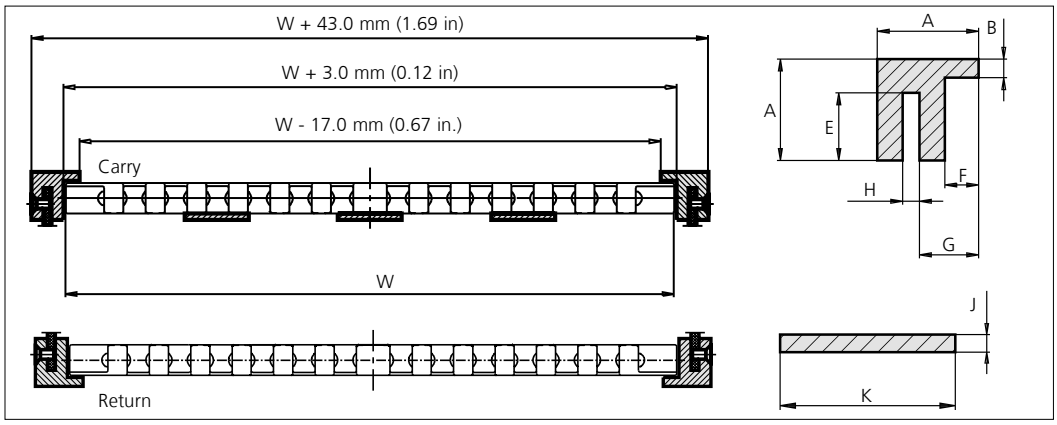
# Profiles for uni Flex ONE EW/ER

## Compact Profile Configuration



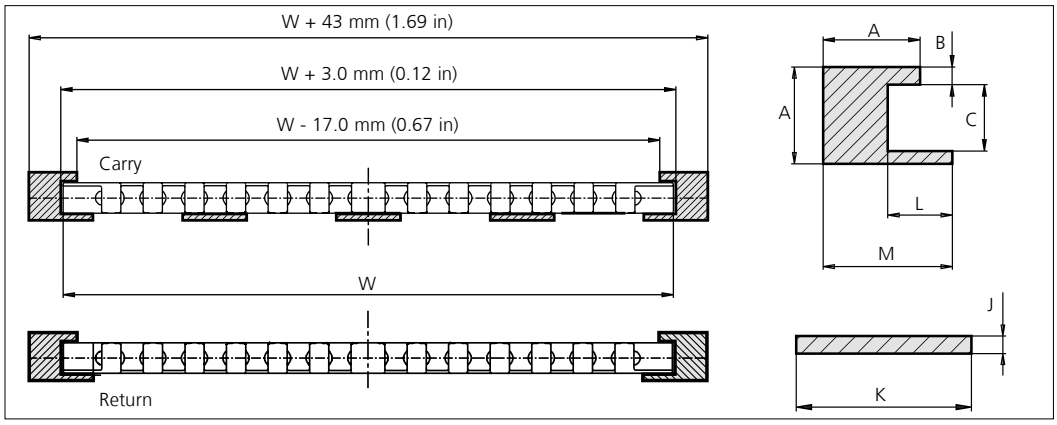

| | mm | in |
|---|---|---|
| **A** | 30.0 | 1.18 |
| **B** | 5.5 | 0.22 |
| **C** | 20.5 | 0.81 |
| **D** | 20.0 | 0.79 |

## 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



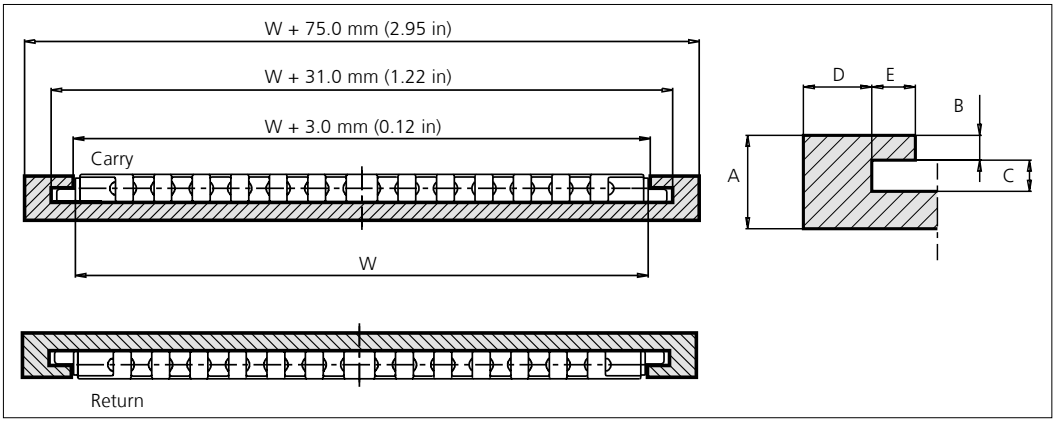

| | mm | in |
|---|---|---|
| **A** | 30.0 | 1.18 |
| **B** | 5.5 | 0.22 |
| **C** | 20.5 | 0.81 |
| **J** | 4.0 | 0.16 |
| **K** | 40.0 | 1.57 |
| **L** | 20.0 | 0.79 |
| **M** | 40.0 | 1.57 |

**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.

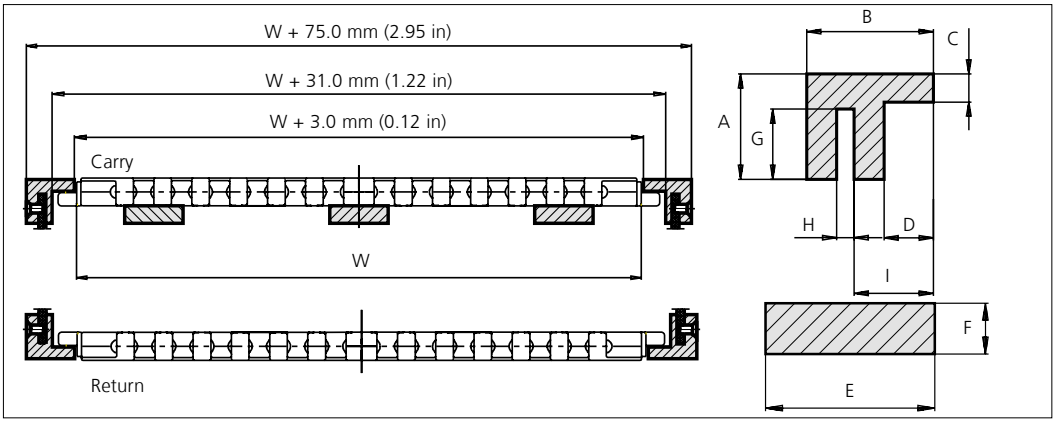
# Profiles for uni Flex ONE EOO

## Compact Profile Configuration



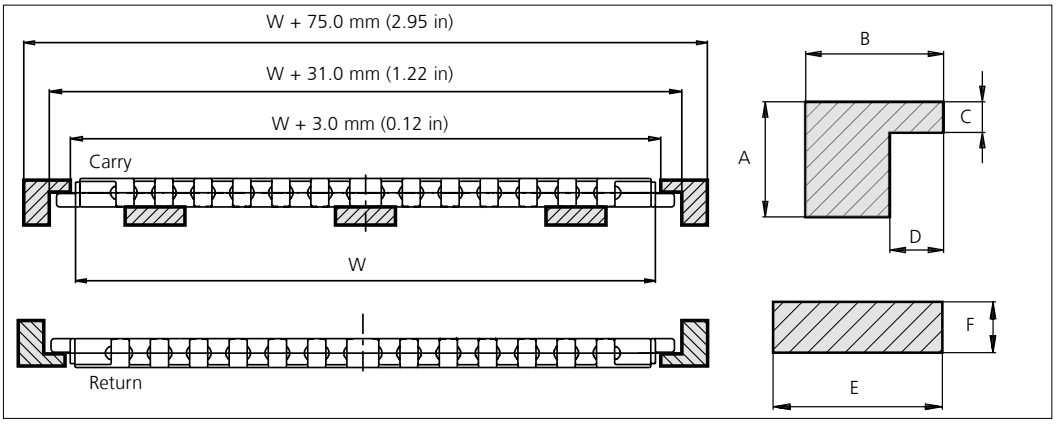

| | mm | in |
|---|---|---|
| **A** | 30.0 | 1.18 |
| **B** | 8.0 | 0.31 |
| **C** | 10.0 | 0.39 |
| **D** | 22.0 | 0.87 |
| **E** | 14.0 | 0.55 |

## 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

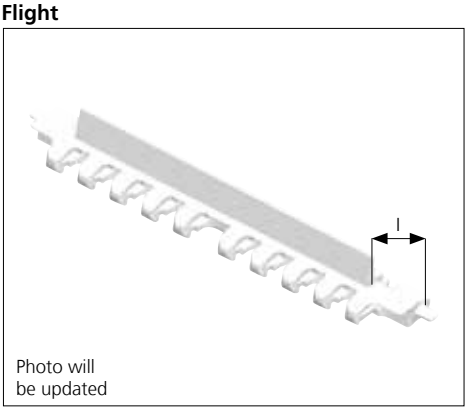


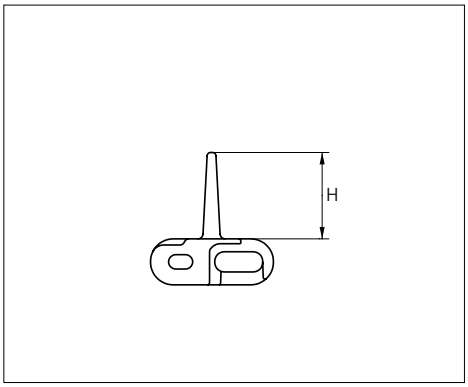

| | mm | in |
|---|---|---|
| **A** | 30.0 | 1.18 |
| **B** | 36.0 | 1.42 |
| **C** | 8.0 | 0.31 |
| **D** | 14.0 | 0.55 |
| **E** | 40.0 | 1.57 |
| **F** | 12.0 | 0.47 |

**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



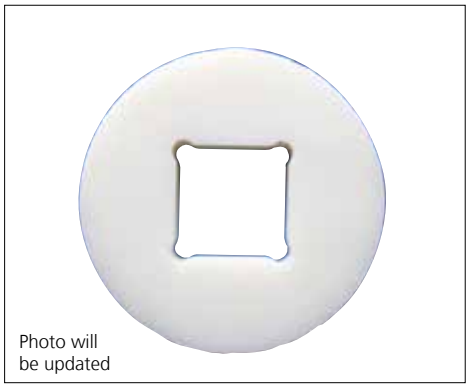




| Type | Standard belt material & color | Height (H) | | Indent (I) | | Link size | Width | |
|---|---|---|---|---|---|---|---|---|
| | | mm | in | mm | in | | mm | in |
| Flight | POM-SX W B * | 25.4 | 1.00 | 32.0 | 1.26 | K1200 | 304.8 | 12.0 |

* 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

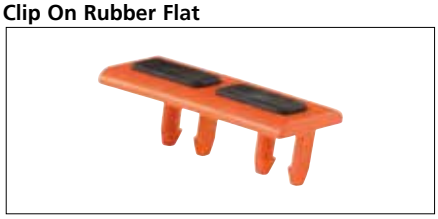


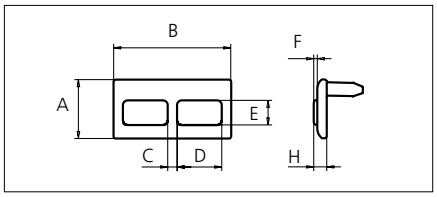

| Type | Standard material & color | No. of teeth | Diameter idler | |
|---|---|---|---|---|
| | | | mm | in |
| Idler | POM-D N | 8 | 72.9 | 2.87 |
| | | 9 | 85.6 | 3.37 |
| | | 11 | 110.7 | 4.36 |
| | | 12 | 123.1 | 4.85 |
| | | 13 | 135.5 | 5.33 |
| | | 16 | 172.4 | 6.79 |

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

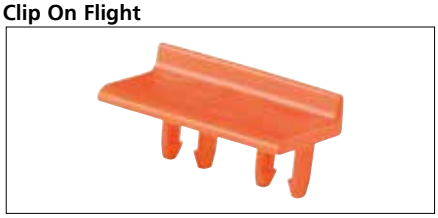


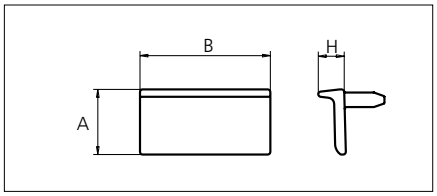



| | mm | in |
|---|---|---|
| A | 25.0 | 0.98 |
| B | 50.0 | 1.97 |
| C | 4.0 | 0.16 |
| D | 19.0 | 0.75 |
| E | 10.5 | 0.41 |
| F | 1.5 | 0.06 |

## Accessories

### Clip On Flight



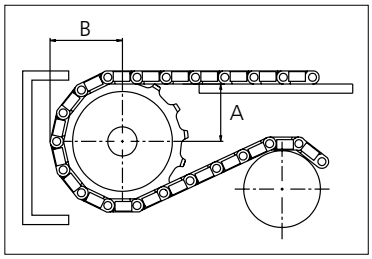



| Type | Height (H) | | Standard materials & colors |
|---|---|---|---|
| | mm | in | |
| uni Flex ONE Clip On Rubber Flat | 5.5 | 0.22 | POM-D O + Rubber 01 K |
| uni Flex ONE Clip On Flight | 10.0 | 0.39 | POM-D O |

## Sprocket

| No. of teeth | Bore size | | | | | | | | | | | | | Overall diameter | | Pitch diameter | | Hub diameter | | Dimension A | | Dimension B | | Single row/Two way | Double row/Two way | PA6 LG Molded | PA6 Machined |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 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 | mm | in | | | | |
| 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**




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

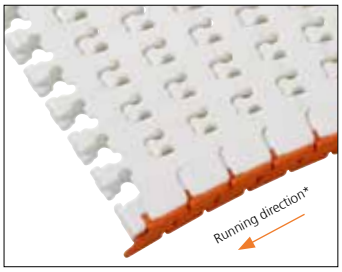
Other sprocket sizes are available upon request
Other bore sizes are available upon request
uni Retainer Rings: See uni Retainer Ring data sheet
Width of tooth = 9.0 mm (0.35 in)
Width of sprocket = 39.0 mm (1.54 in)

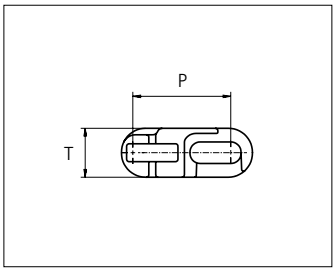
Max. load per sprocket shown does not take bore size into account.
Please also ensure that sufficient size shaft is chosen for corresponding load.

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

# Plastic Modular Belt

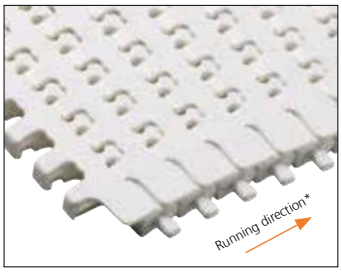
## Series **uni Flex ONE**

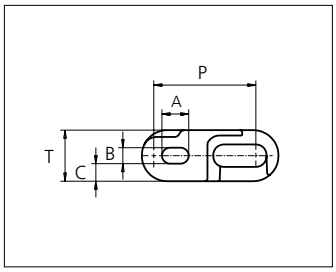


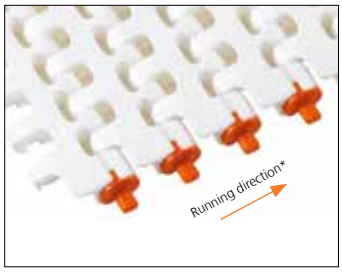

Sideflexing belt
Nominal pitch: 38.1 mm (1.50 in)
Surface type: Flat
Surface opening: 15%
Backflex radius: 50.0 mm (1.97 in)
Min. inside radius R1.6 x belt width

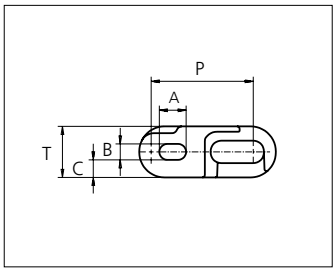
**uni Flex ONE EWC R1.6**
Surface Opening: 15%



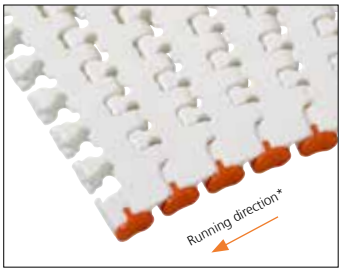



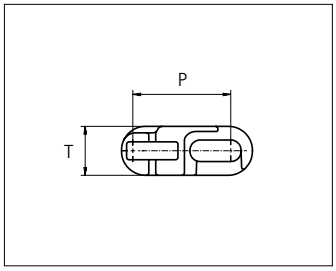

**uni Flex ONE O R1.6**
Surface Opening: 15%



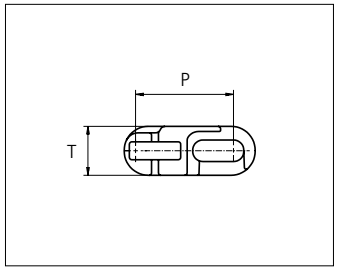




**uni Flex ONE EO R1.6**
Surface Opening: 15%

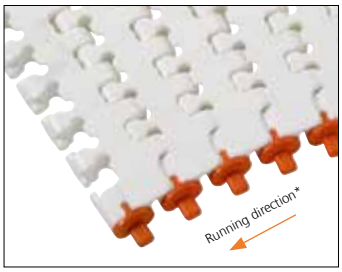


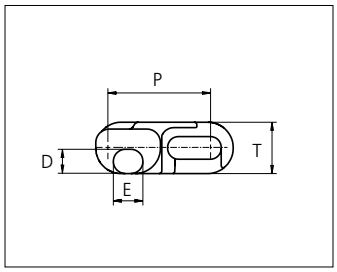




**uni Flex ONE EW R1.6**
Surface Opening: 15%


**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 reccomends 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**<br>K1200, K1500, K1800: POM DK **O**<br>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.

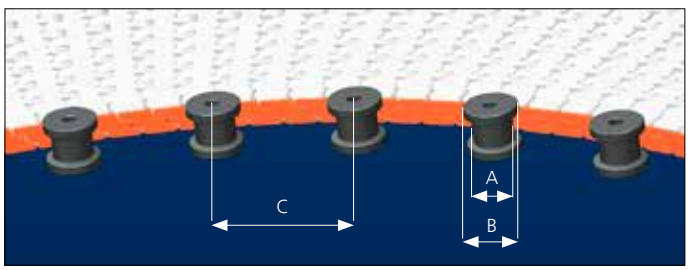
STANDARD
SIDE FLEXING
PITCH 38.1 MM/1.50 IN

| 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) |
| | | | | Straight sections | | Curve sections | | | | | | |
| Size | mm | in | | N | lbf | N | lbf | kg/m | lb/ft | | | |
| 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

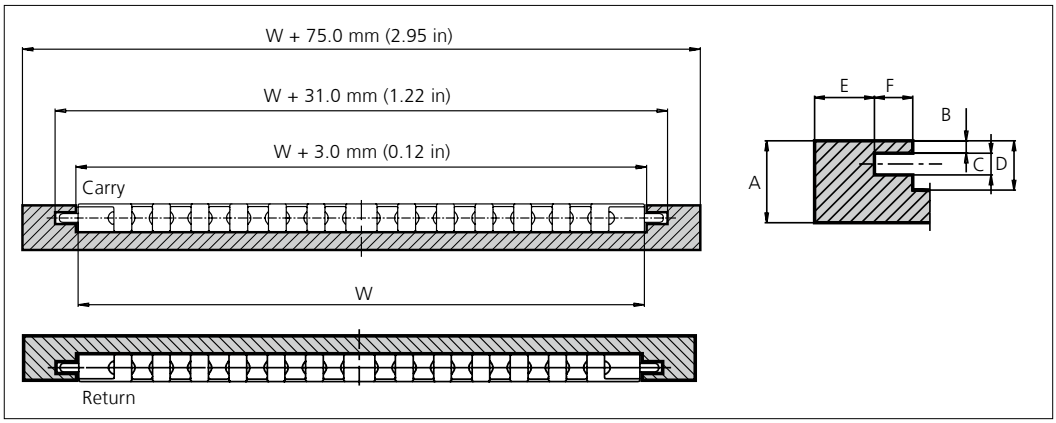
### uni Flex One EWC




| | mm | in |
|---|---|---|
| A | min ø30 | min ø1¼ |
| B | A + min 12 | A + min ½ |
| C | 100-150 | 4-6 |

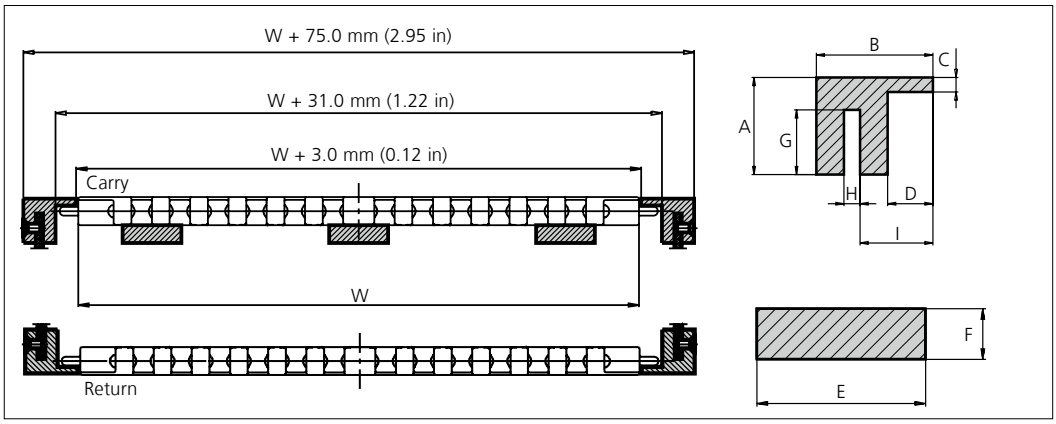
# Profiles for uni Flex ONE O/EO

## Compact Profile Configuration



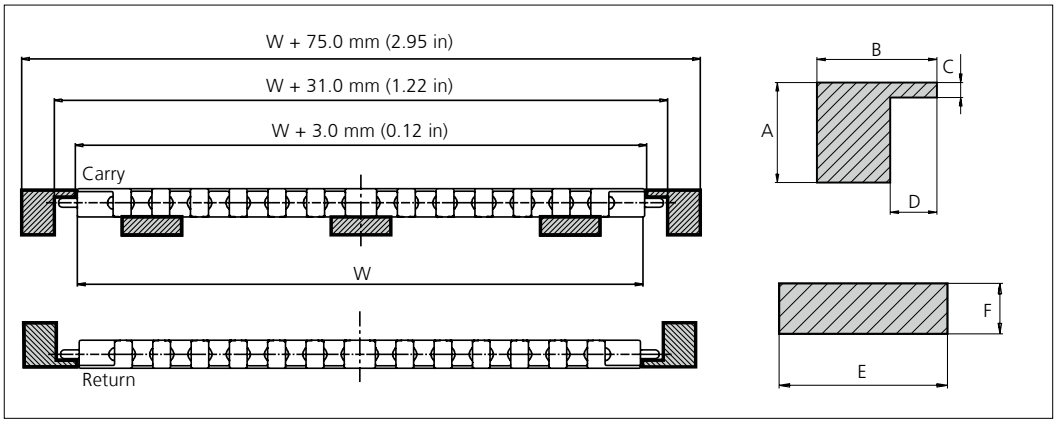

| | mm | in |
|---|---|---|
| **A** | 30.0 | 1.18 |
| **B** | 4.5 | 0.18 |
| **C** | 8.0 | 0.31 |
| **D** | 18.0 | 0.71 |
| **E** | 22.0 | 0.87 |
| **F** | 14.0 | 0.55 |

## 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



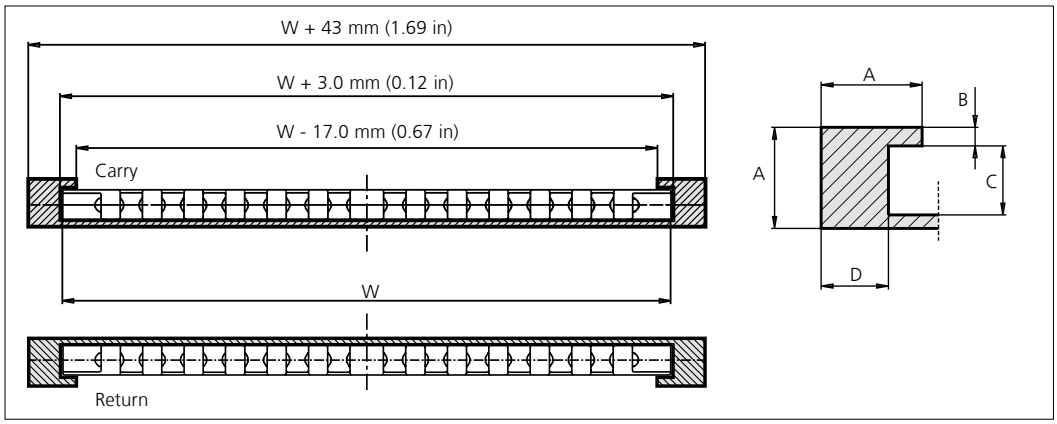

| | mm | in |
|---|---|---|
| **A** | 30.0 | 1.18 |
| **B** | 36.0 | 1.42 |
| **C** | 4.5 | 0.18 |
| **D** | 14.0 | 0.55 |
| **E** | 40.0 | 1.57 |
| **F** | 12.0 | 0.47 |

**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 ider 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.

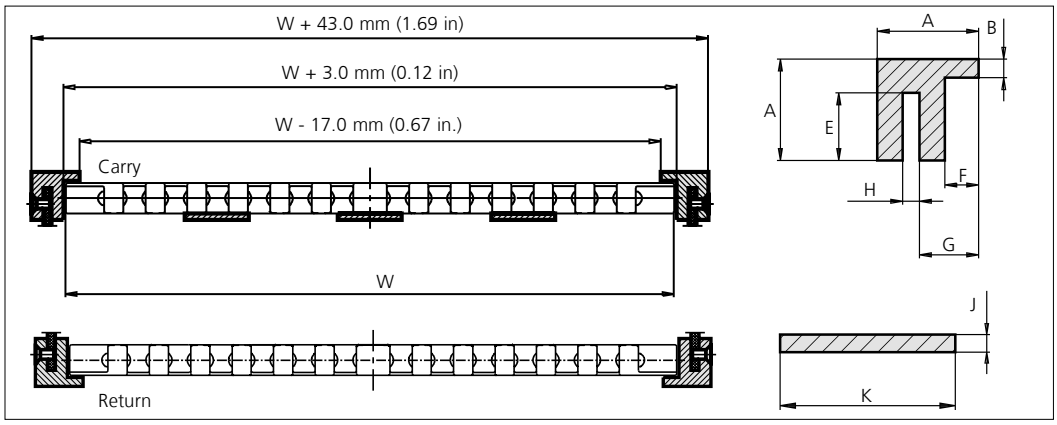
# Profiles for uni Flex ONE EW/ER

## Compact Profile Configuration



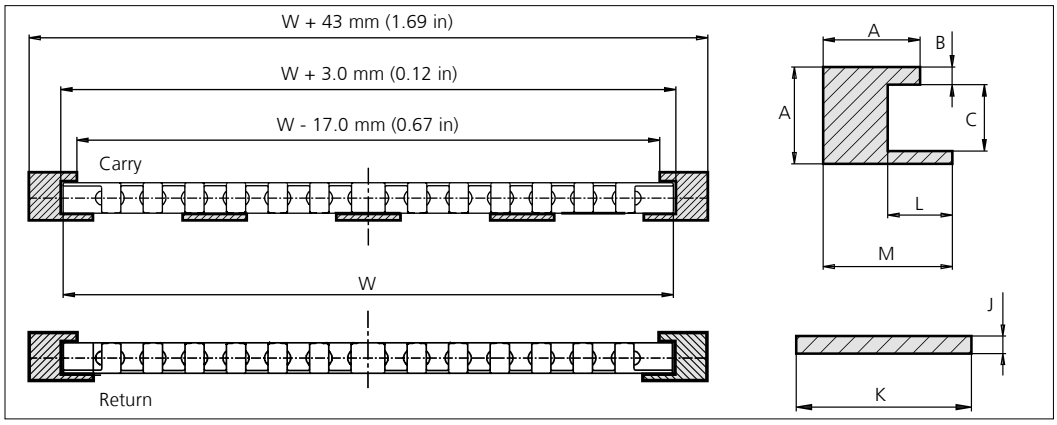

| | mm | in |
|---|---|---|
| **A** | 30.0 | 1.18 |
| **B** | 5.5 | 0.22 |
| **C** | 20.5 | 0.81 |
| **D** | 20.0 | 0.79 |

## 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



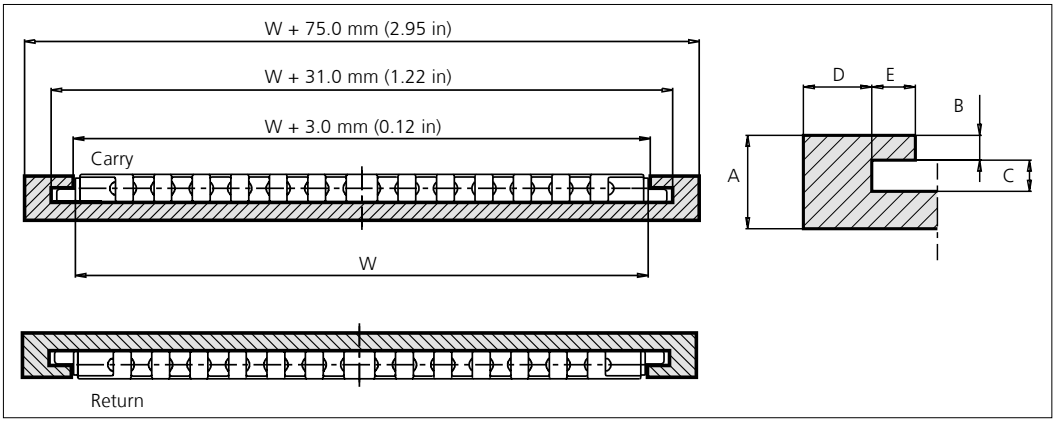

| | mm | in |
|---|---|---|
| **A** | 30.0 | 1.18 |
| **B** | 5.5 | 0.22 |
| **C** | 20.5 | 0.81 |
| **J** | 4.0 | 0.16 |
| **K** | 40.0 | 1.57 |
| **L** | 20.0 | 0.79 |
| **M** | 40.0 | 1.57 |

**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.

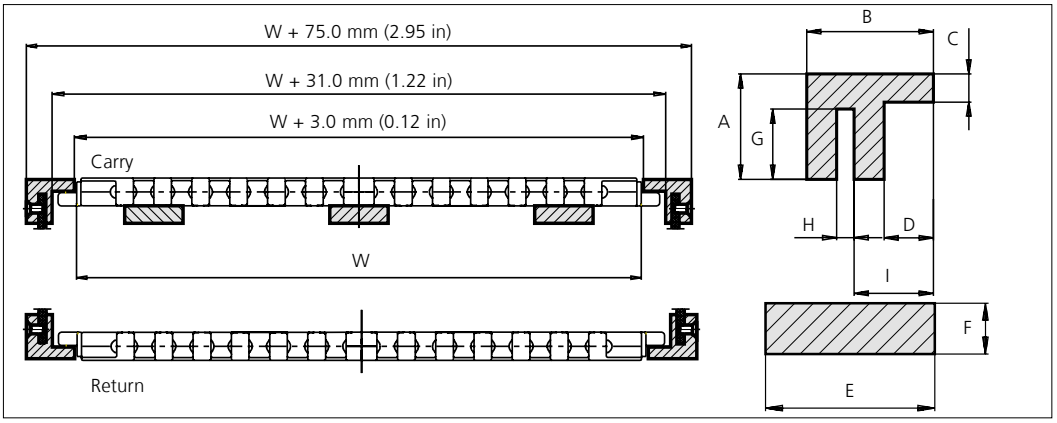
# Profiles for uni Flex ONE EOO

## Compact Profile Configuration



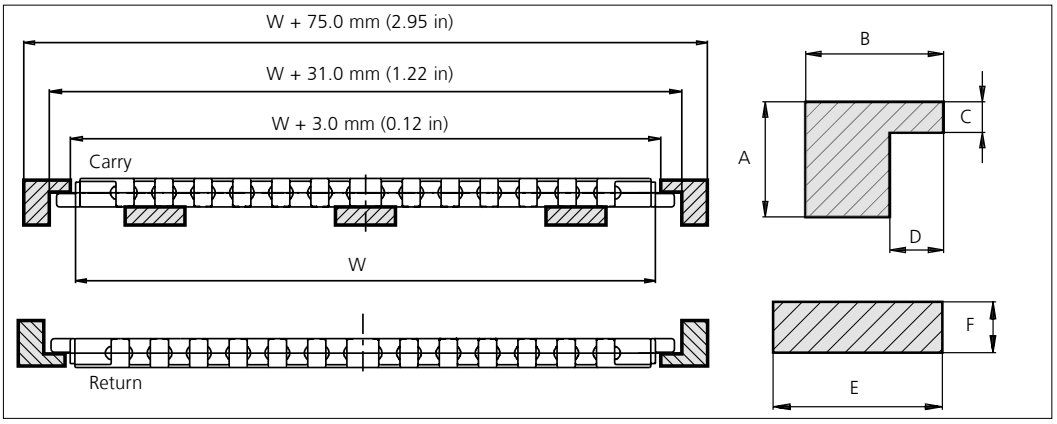

| | mm | in |
|---|---|---|
| **A** | 30.0 | 1.18 |
| **B** | 8.0 | 0.31 |
| **C** | 10.0 | 0.39 |
| **D** | 22.0 | 0.87 |
| **E** | 14.0 | 0.55 |

## 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

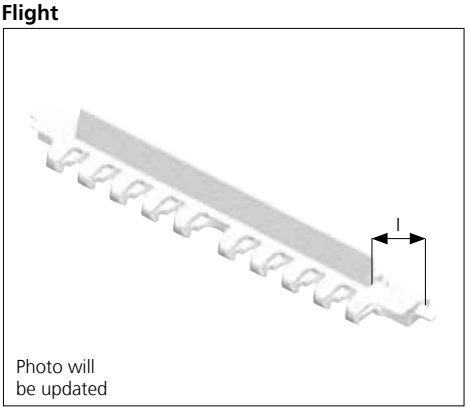


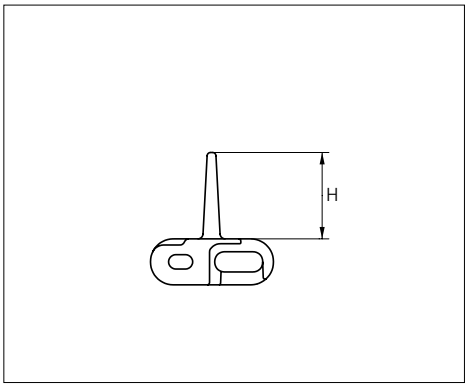

| | mm | in |
|---|---|---|
| **A** | 30.0 | 1.18 |
| **B** | 36.0 | 1.42 |
| **C** | 8.0 | 0.31 |
| **D** | 14.0 | 0.55 |
| **E** | 40.0 | 1.57 |
| **F** | 12.0 | 0.47 |

**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



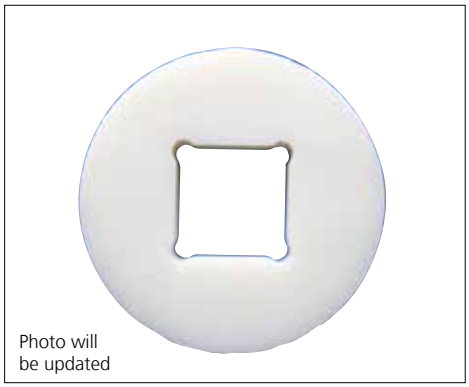




| Type | Standard belt material & color | Height (H) | | Indent (I) | | Link size | Width | |
|---|---|---|---|---|---|---|---|---|
| | | mm | in | mm | in | | mm | in |
| Flight | POM-SX W B * | 25.4 | 1.00 | 32.0 | 1.26 | K1200 | 304.8 | 12.0 |

* 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

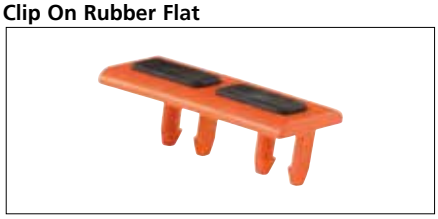


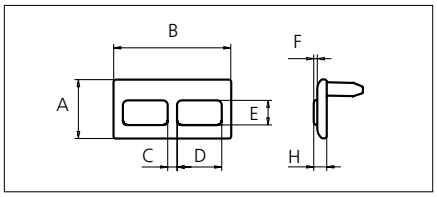

| Type | Standard material & color | No. of teeth | Diameter idler | |
|---|---|---|---|---|
| | | | mm | in |
| Idler | POM-D N | 8 | 72.9 | 2.87 |
| | | 9 | 85.6 | 3.37 |
| | | 11 | 110.7 | 4.36 |
| | | 12 | 123.1 | 4.85 |
| | | 13 | 135.5 | 5.33 |
| | | 16 | 172.4 | 6.79 |

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

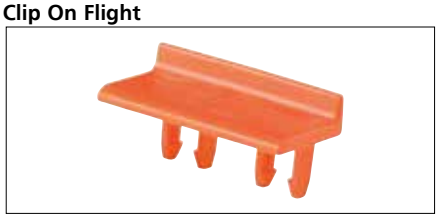


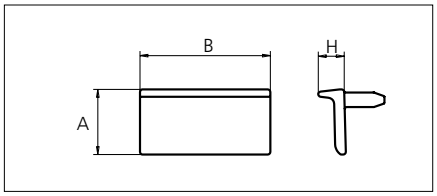



| | mm | in |
|---|---|---|
| A | 25.0 | 0.98 |
| B | 50.0 | 1.97 |
| C | 4.0 | 0.16 |
| D | 19.0 | 0.75 |
| E | 10.5 | 0.41 |
| F | 1.5 | 0.06 |

## Accessories

### Clip On Flight



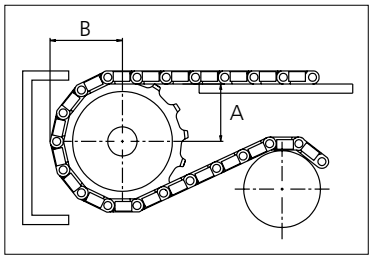



| Type | Height (H) | | Standard materials & colors |
|---|---|---|---|
| | mm | in | |
| uni Flex ONE Clip On Rubber Flat | 5.5 | 0.22 | POM-D O + Rubber 01 K |
| uni Flex ONE Clip On Flight | 10.0 | 0.39 | POM-D O |

## Sprocket

| No. of teeth | Bore size | | | | | | | | | | | | | Overall diameter | | Pitch diameter | | Hub diameter | | Dimension A | | Dimension B | | Single row/Two way | Double row/Two way | PA6 LG Molded | PA6 Machined |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 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 | mm | in | | | | |
| 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**




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

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.

# Plastic Modular Belt

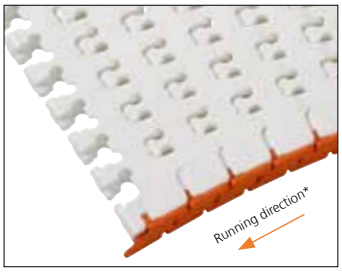
## Series **uni Flex ONE**

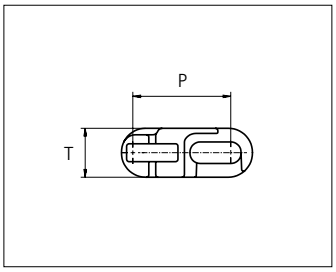
Ammeraal Beltech
Innovation & Service in Belting

STANDARD

SIDE FLEXING

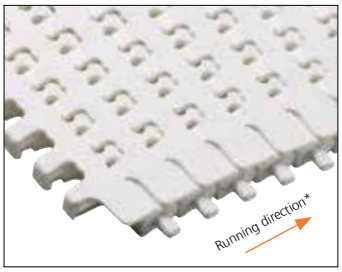
PITCH 38.1 MM/1.50 IN

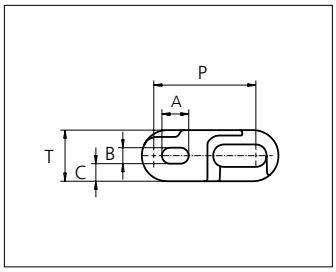


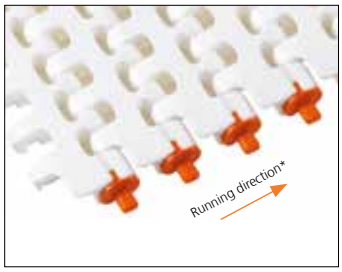

Sideflexing belt
Nominal pitch: 38.1 mm (1.50 in)
Surface type: Flat
Surface opening: 15%
Backflex radius: 50.0 mm (1.97 in)
Min. inside radius R1.6 x belt width

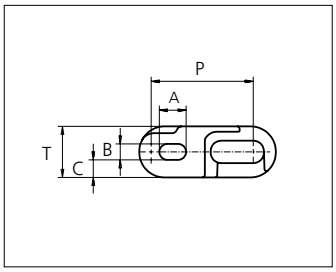
**uni Flex ONE EWC R1.6**
Surface Opening: 15%



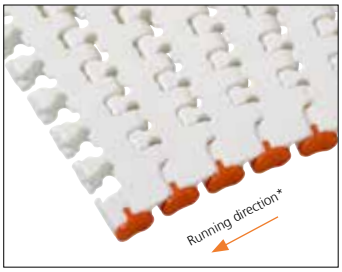



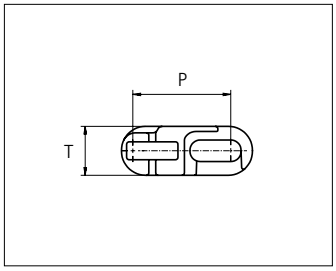

**uni Flex ONE O R1.6**
Surface Opening: 15%



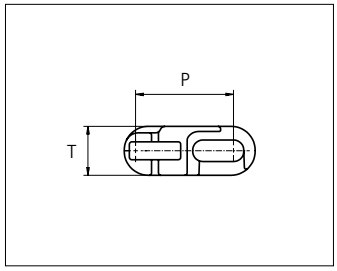




**uni Flex ONE EO R1.6**
Surface Opening: 15%



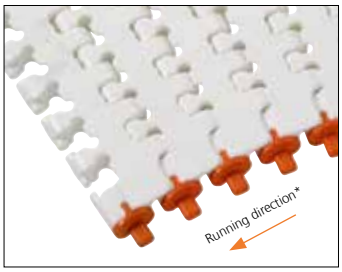



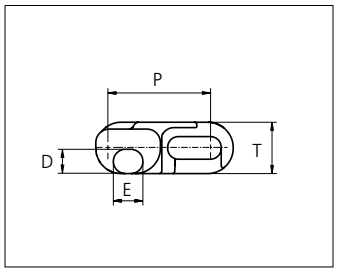

**uni Flex ONE EW R1.6**
Surface Opening: 15%


**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 reccomends 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**<br>K1200, K1500, K1800: POM DK **O**<br>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.

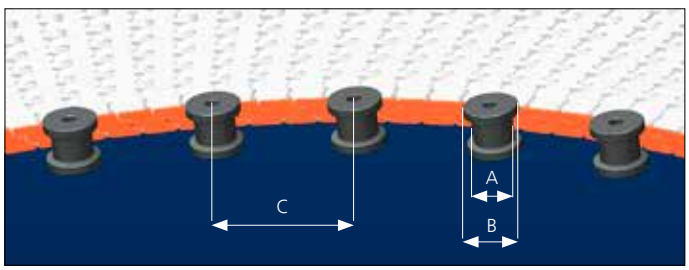
uni chains

| 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) |
| | | | | Straight sections | | Curve sections | | | | | | |
| Size | mm | in | | N | lbf | N | lbf | kg/m | lb/ft | | | |
| 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

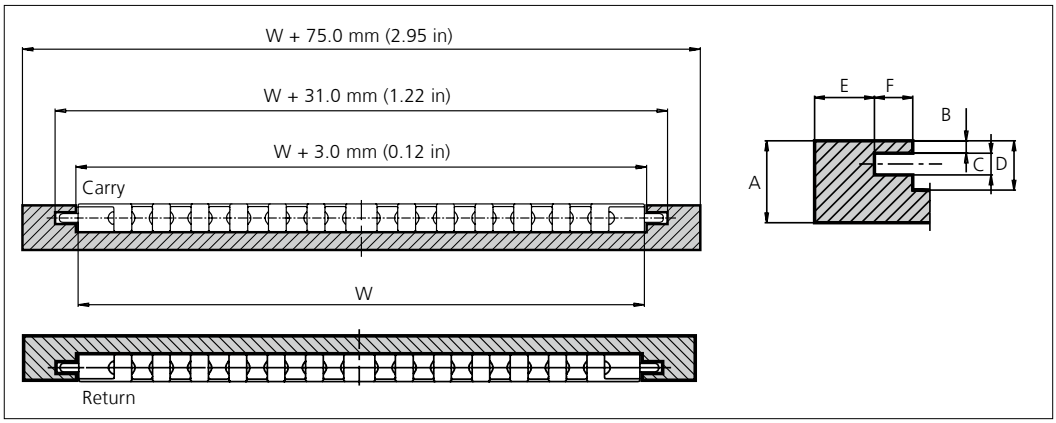
### uni Flex One EWC




| | mm | in |
|---|---|---|
| A | min ø30 | min ø1¼ |
| B | A + min 12 | A + min ½ |
| C | 100-150 | 4-6 |

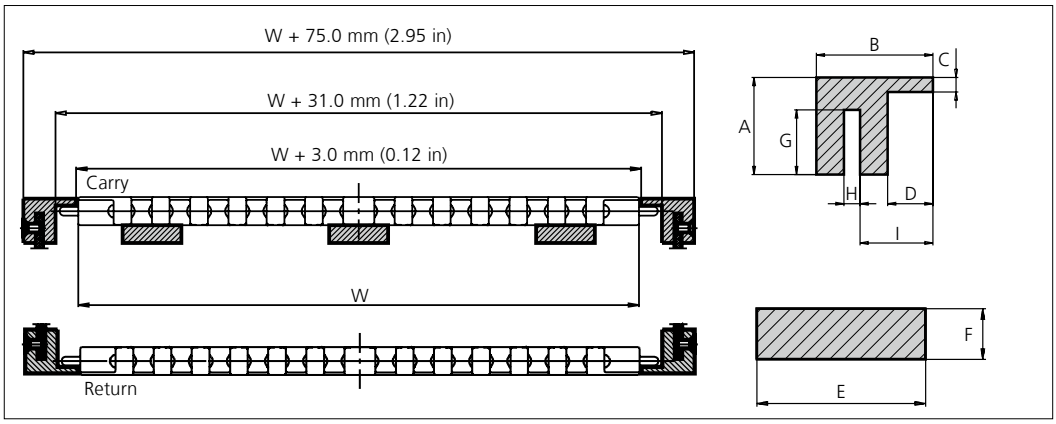
# Profiles for uni Flex ONE O/EO

## Compact Profile Configuration



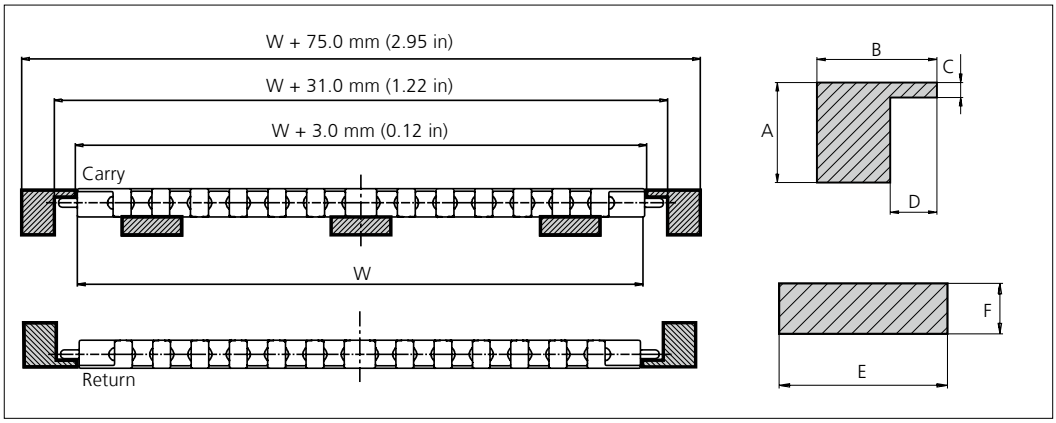

| | mm | in |
|---|---|---|
| **A** | 30.0 | 1.18 |
| **B** | 4.5 | 0.18 |
| **C** | 8.0 | 0.31 |
| **D** | 18.0 | 0.71 |
| **E** | 22.0 | 0.87 |
| **F** | 14.0 | 0.55 |

## 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



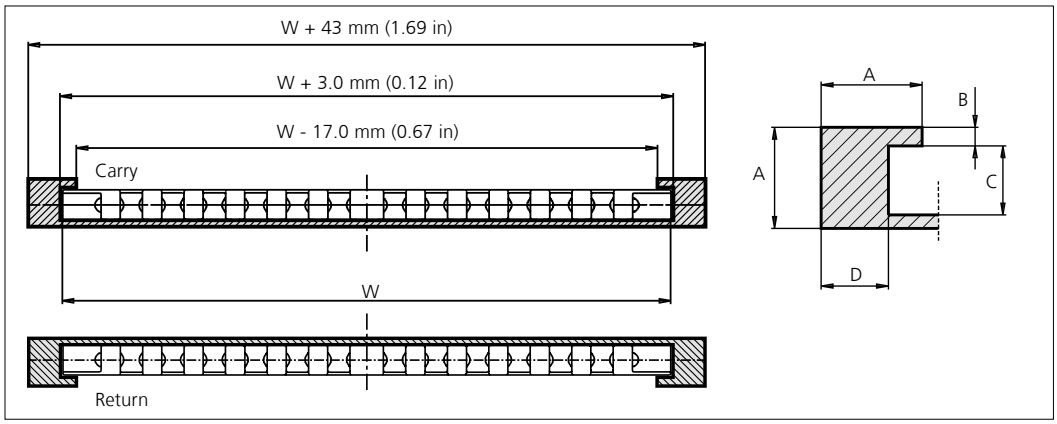

| | mm | in |
|---|---|---|
| **A** | 30.0 | 1.18 |
| **B** | 36.0 | 1.42 |
| **C** | 4.5 | 0.18 |
| **D** | 14.0 | 0.55 |
| **E** | 40.0 | 1.57 |
| **F** | 12.0 | 0.47 |

**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 ider 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.

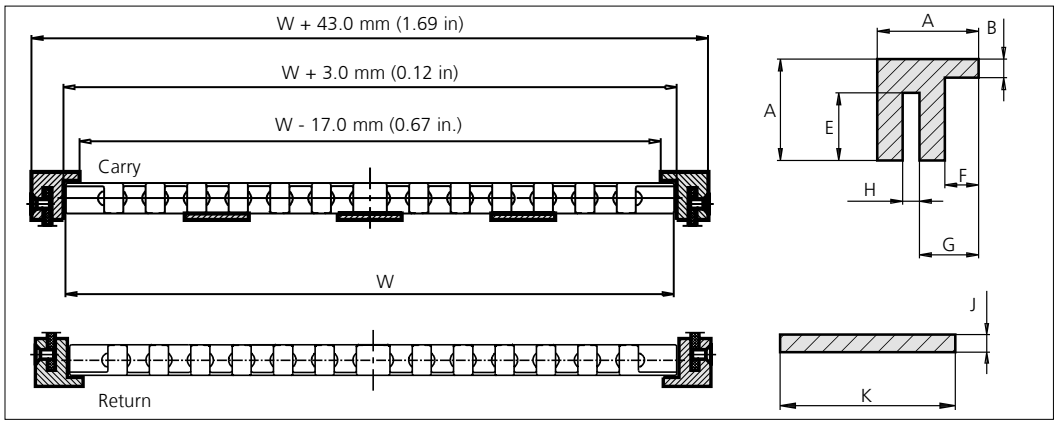
# Profiles for uni Flex ONE EW/ER

## Compact Profile Configuration



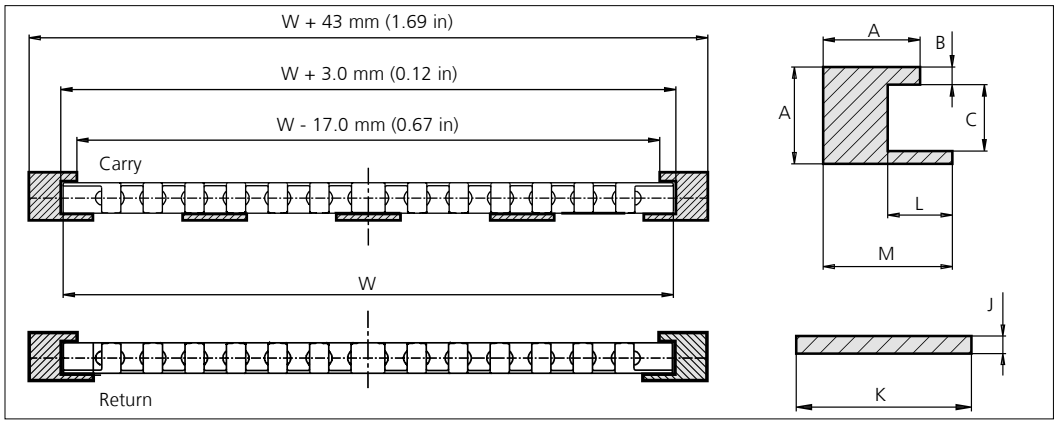

| | mm | in |
|---|---|---|
| **A** | 30.0 | 1.18 |
| **B** | 5.5 | 0.22 |
| **C** | 20.5 | 0.81 |
| **D** | 20.0 | 0.79 |

## 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



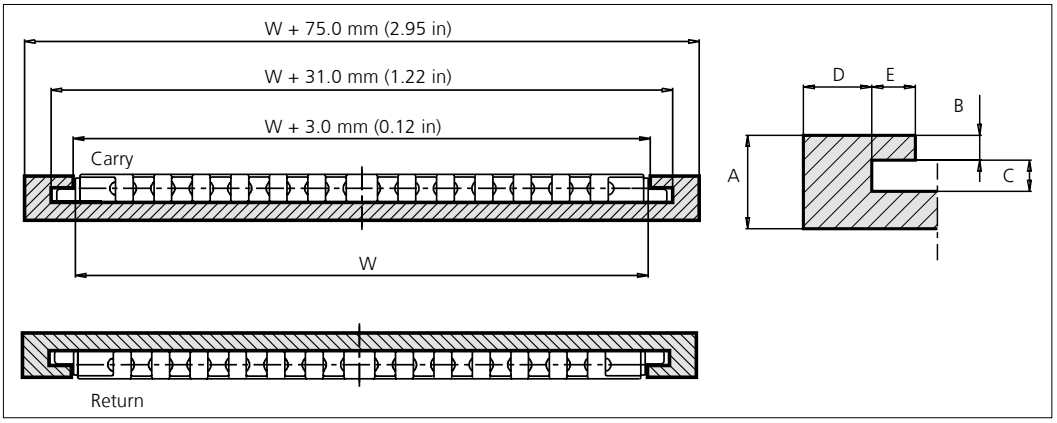

| | mm | in |
|---|---|---|
| **A** | 30.0 | 1.18 |
| **B** | 5.5 | 0.22 |
| **C** | 20.5 | 0.81 |
| **J** | 4.0 | 0.16 |
| **K** | 40.0 | 1.57 |
| **L** | 20.0 | 0.79 |
| **M** | 40.0 | 1.57 |

**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.

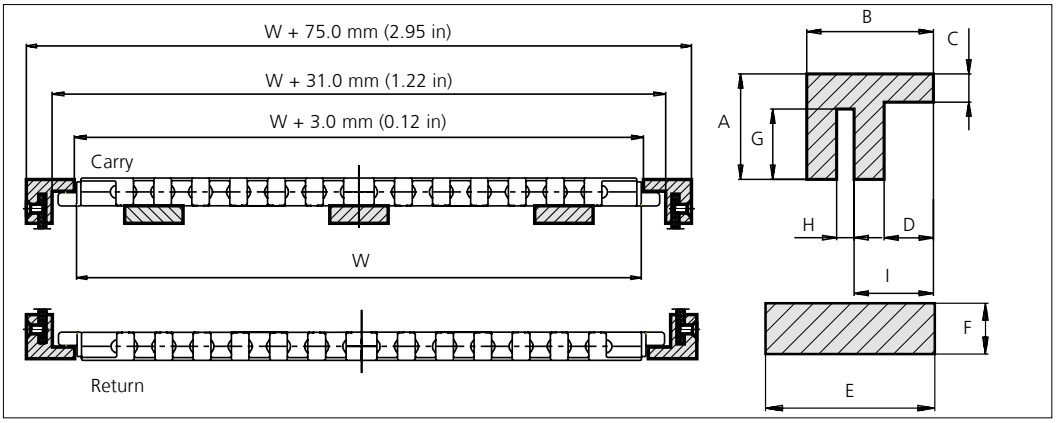
# Profiles for uni Flex ONE EOO

## Compact Profile Configuration



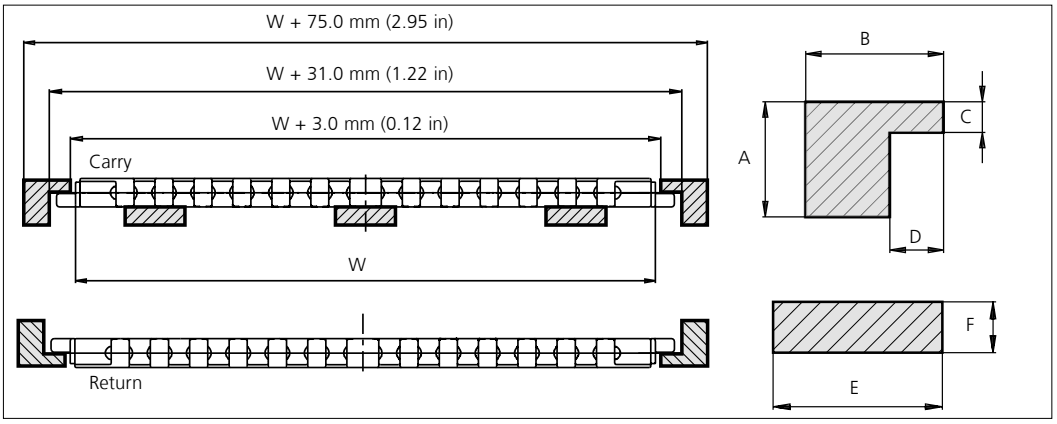

| | mm | in |
|---|---|---|
| **A** | 30.0 | 1.18 |
| **B** | 8.0 | 0.31 |
| **C** | 10.0 | 0.39 |
| **D** | 22.0 | 0.87 |
| **E** | 14.0 | 0.55 |

## 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

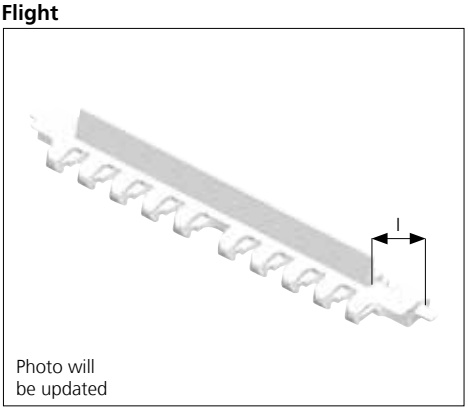


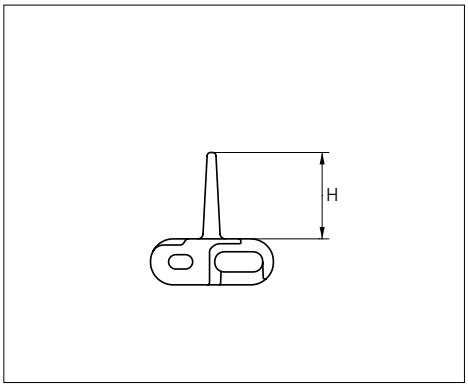

| | mm | in |
|---|---|---|
| **A** | 30.0 | 1.18 |
| **B** | 36.0 | 1.42 |
| **C** | 8.0 | 0.31 |
| **D** | 14.0 | 0.55 |
| **E** | 40.0 | 1.57 |
| **F** | 12.0 | 0.47 |

**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



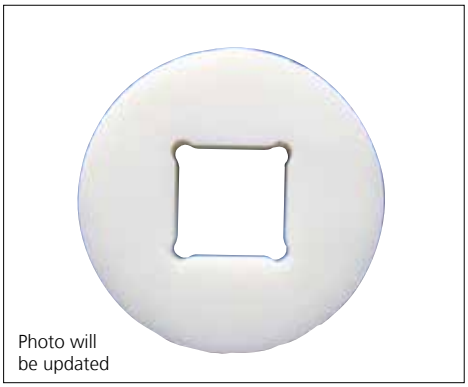




| Type | Standard belt material & color | Height (H) | | Indent (I) | | Link size | Width | |
|---|---|---|---|---|---|---|---|---|
| | | mm | in | mm | in | | mm | in |
| Flight | POM-SX W B * | 25.4 | 1.00 | 32.0 | 1.26 | K1200 | 304.8 | 12.0 |

* 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

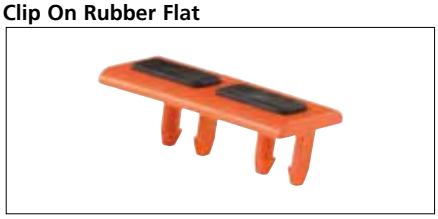


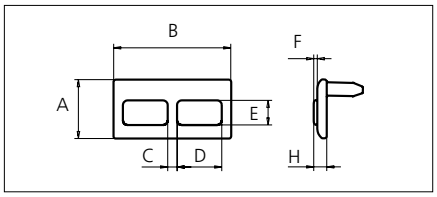

| Type | Standard material & color | No. of teeth | Diameter idler | |
|---|---|---|---|---|
| | | | mm | in |
| Idler | POM-D N | 8 | 72.9 | 2.87 |
| | | 9 | 85.6 | 3.37 |
| | | 11 | 110.7 | 4.36 |
| | | 12 | 123.1 | 4.85 |
| | | 13 | 135.5 | 5.33 |
| | | 16 | 172.4 | 6.79 |

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

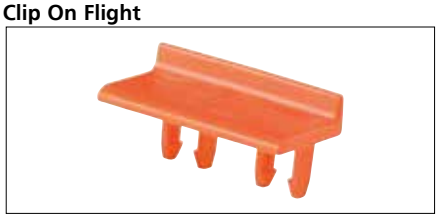


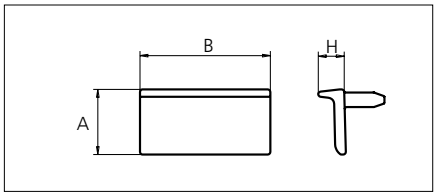



| | mm | in |
|---|---|---|
| A | 25.0 | 0.98 |
| B | 50.0 | 1.97 |
| C | 4.0 | 0.16 |
| D | 19.0 | 0.75 |
| E | 10.5 | 0.41 |
| F | 1.5 | 0.06 |

## Accessories

### Clip On Flight



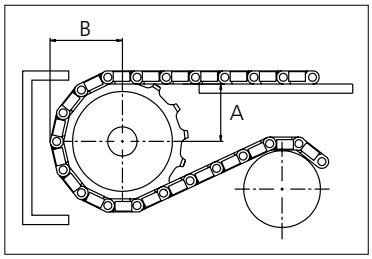



| Type | Height (H) | | Standard materials & colors |
|---|---|---|---|
| | mm | in | |
| uni Flex ONE Clip On Rubber Flat | 5.5 | 0.22 | POM-D O + Rubber 01 K |
| uni Flex ONE Clip On Flight | 10.0 | 0.39 | POM-D O |

## Sprocket

| No. of teeth | Bore size | | | | | | | | | | | | | Overall diameter | | Pitch diameter | | Hub diameter | | Dimension A | | Dimension B | | Single row/Two way | Double row/Two way | PA6 LG Molded | PA6 Machined |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 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 | mm | in | | | | |
| 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**




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

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)

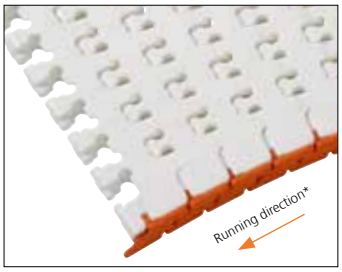
Max. load per sprocket shown does not take bore size into account.
Please also ensure that sufficient size shaft is chosen for corresponding load.

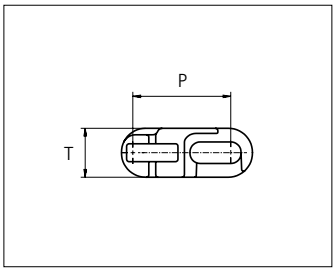
For correct sprocket position: See uni Assembly Instructions for uni Flex ONE.
For more detailed sprocket information, contact Customer Service.

# Plastic Modular Belt

## Series **uni Flex ONE**

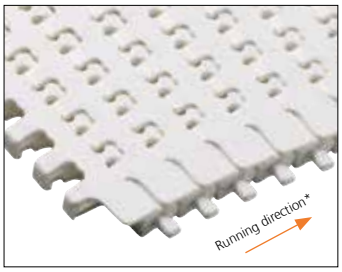


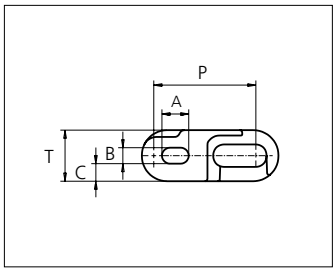


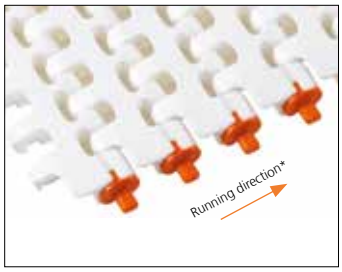

Sideflexing belt
Nominal pitch: 38.1 mm (1.50 in)
Surface type: Flat
Surface opening: 15%
Backflex radius: 50.0 mm (1.97 in)
Min. inside radius R1.6 x belt width

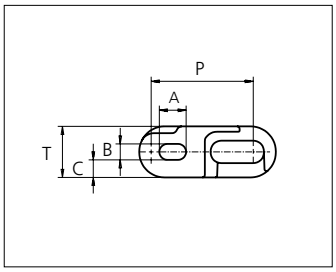
**uni Flex ONE EWC R1.6**
Surface Opening: 15%



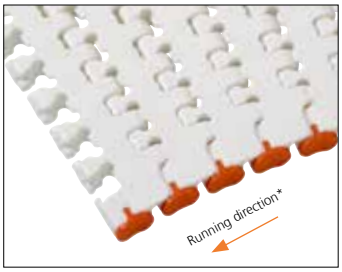



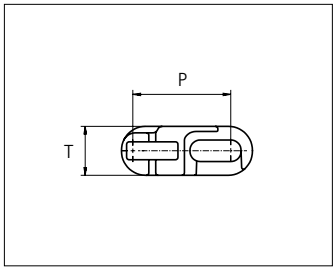

**uni Flex ONE O R1.6**
Surface Opening: 15%



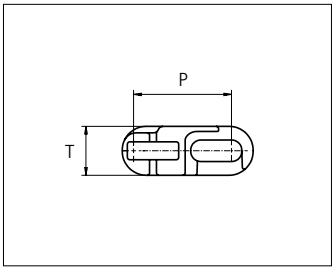




**uni Flex ONE EO R1.6**
Surface Opening: 15%

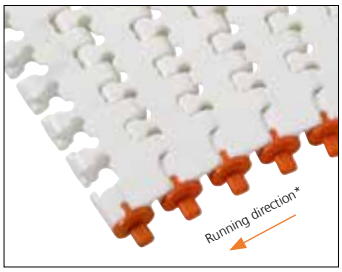


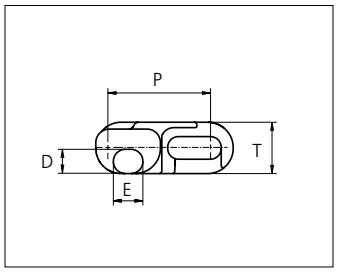




**uni Flex ONE EW R1.6**
Surface Opening: 15%


**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 reccomends 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**<br>K1200, K1500, K1800: POM DK **O**<br>K2400: POM DK **B** |

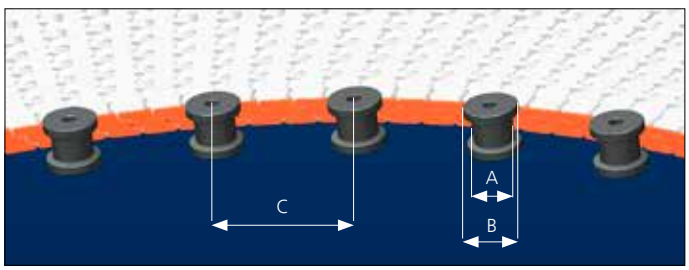
**Please note that uni Flex ONE in POM-SX blue is not according to the standard color quality for blue. Small variations may occur.

| 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) |
| | | | | Straight sections | | Curve sections | | | | | | |
| Size | mm | in | | N | lbf | N | lbf | kg/m | lb/ft | | | |
| 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

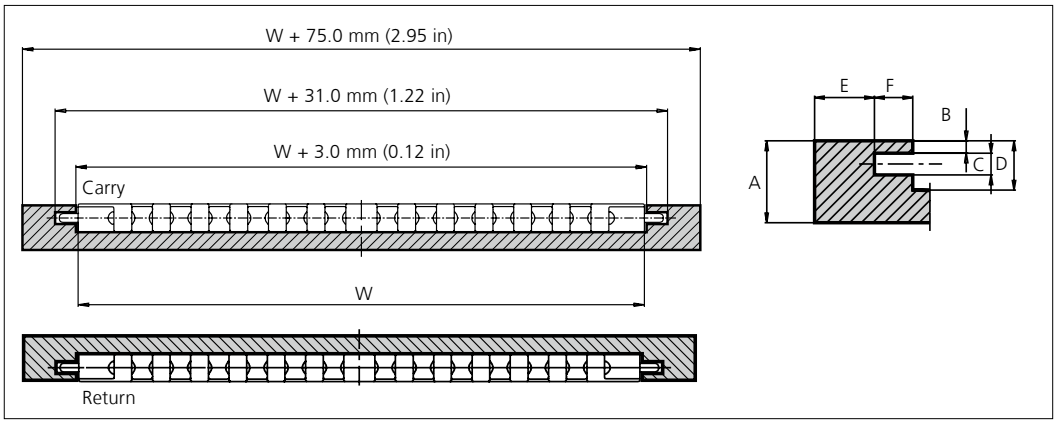
### uni Flex One EWC




| | mm | in |
|---|---|---|
| A | min ø30 | min ø1¼ |
| B | A + min 12 | A + min ½ |
| C | 100-150 | 4-6 |

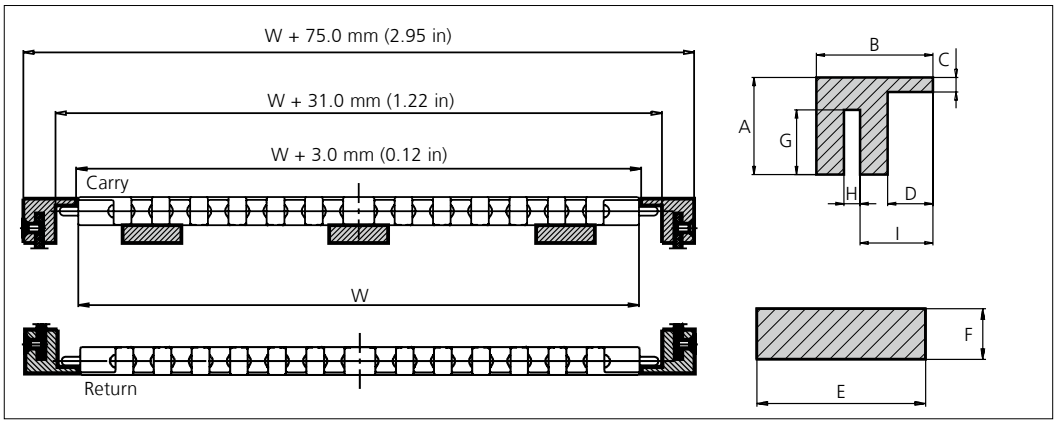
# Profiles for uni Flex ONE O/EO

## Compact Profile Configuration



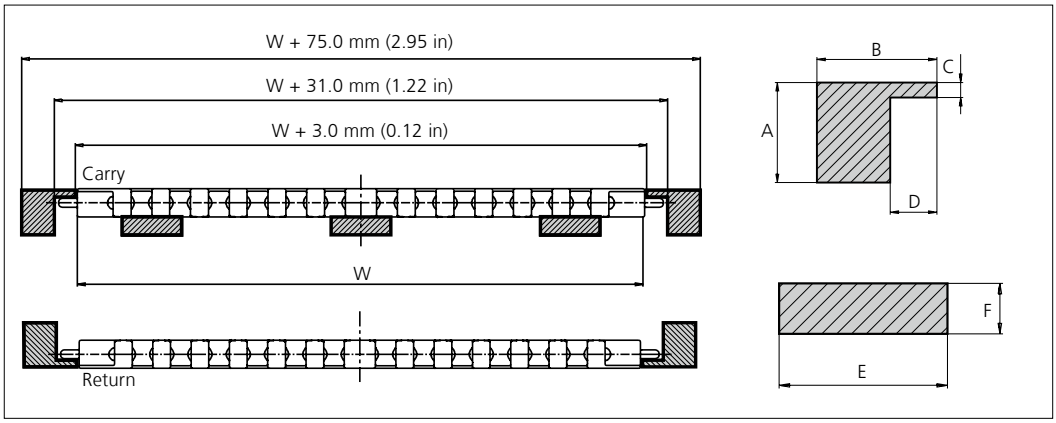

| | mm | in |
|---|---|---|
| **A** | 30.0 | 1.18 |
| **B** | 4.5 | 0.18 |
| **C** | 8.0 | 0.31 |
| **D** | 18.0 | 0.71 |
| **E** | 22.0 | 0.87 |
| **F** | 14.0 | 0.55 |

## 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



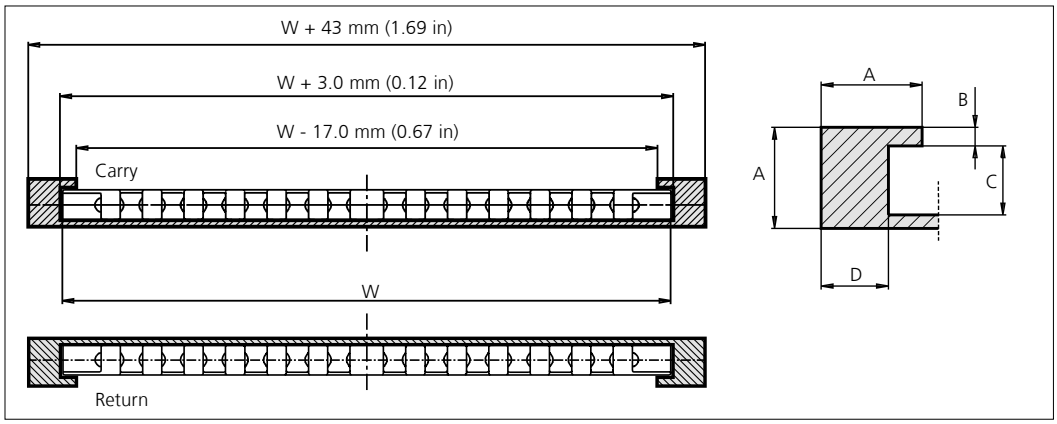

| | mm | in |
|---|---|---|
| **A** | 30.0 | 1.18 |
| **B** | 36.0 | 1.42 |
| **C** | 4.5 | 0.18 |
| **D** | 14.0 | 0.55 |
| **E** | 40.0 | 1.57 |
| **F** | 12.0 | 0.47 |

**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 ider 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.

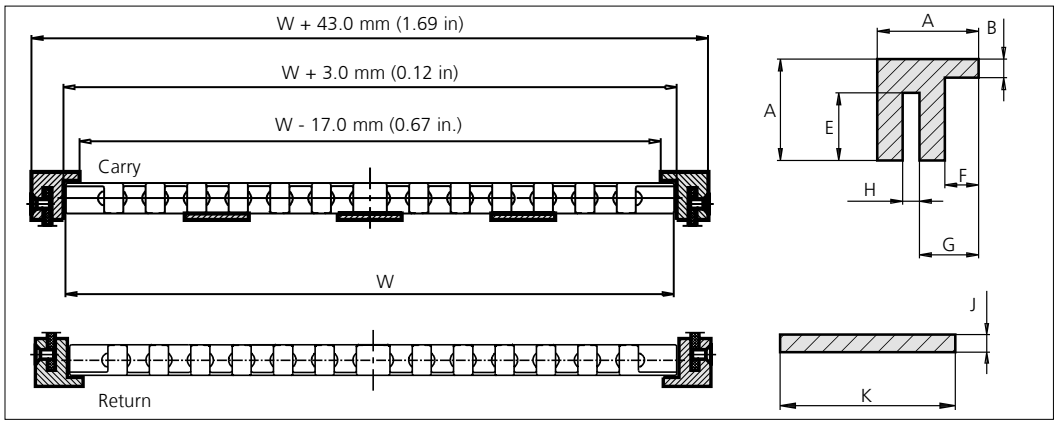
# Profiles for uni Flex ONE EW/ER

## Compact Profile Configuration



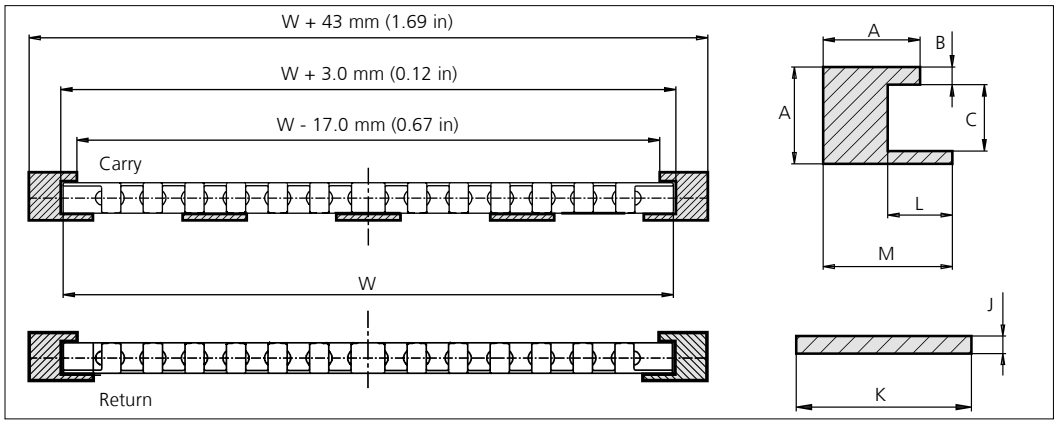

| | mm | in |
|---|---|---|
| **A** | 30.0 | 1.18 |
| **B** | 5.5 | 0.22 |
| **C** | 20.5 | 0.81 |
| **D** | 20.0 | 0.79 |

## 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



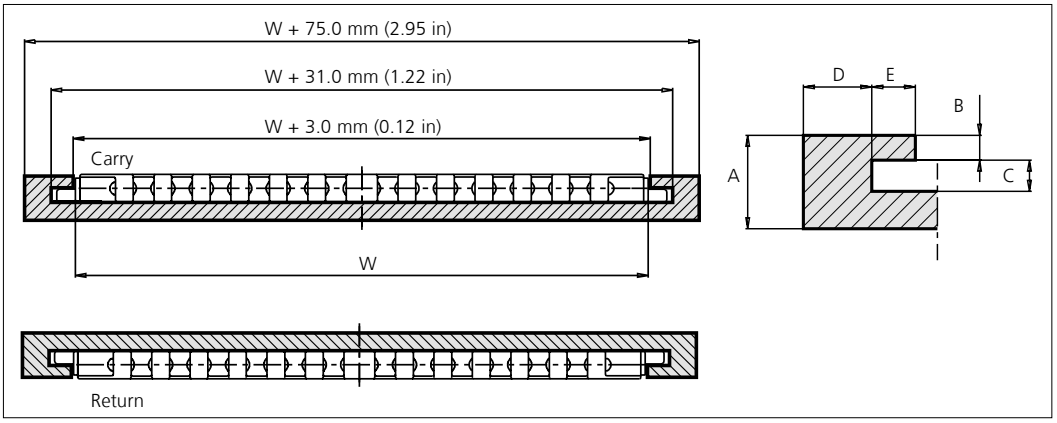

| | mm | in |
|---|---|---|
| **A** | 30.0 | 1.18 |
| **B** | 5.5 | 0.22 |
| **C** | 20.5 | 0.81 |
| **J** | 4.0 | 0.16 |
| **K** | 40.0 | 1.57 |
| **L** | 20.0 | 0.79 |
| **M** | 40.0 | 1.57 |

**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.

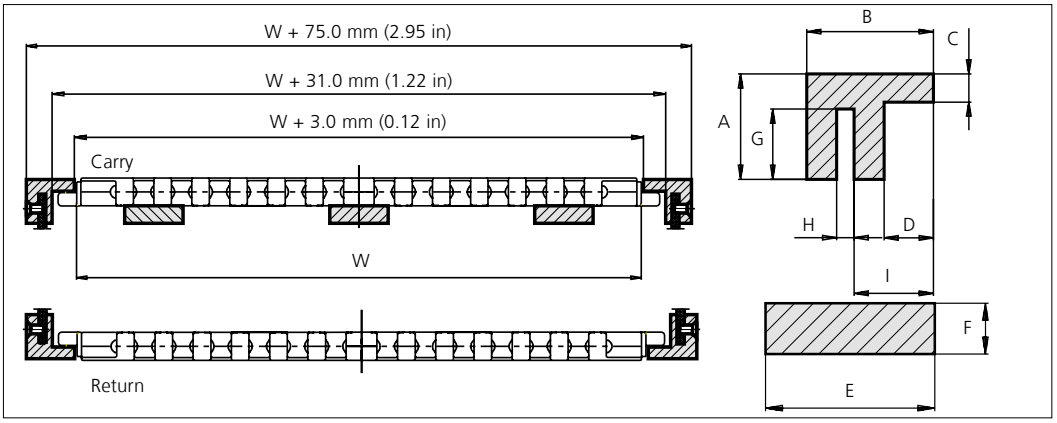
# Profiles for uni Flex ONE EOO

## Compact Profile Configuration



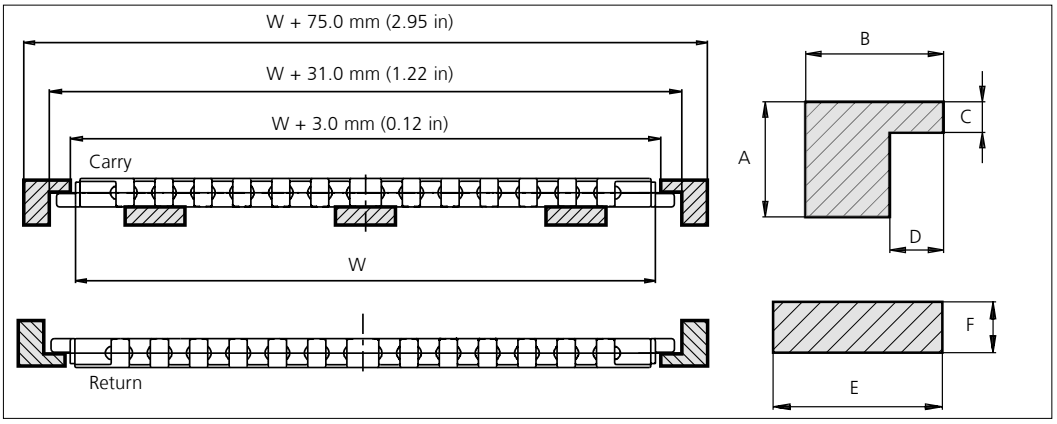

| | mm | in |
|---|---|---|
| **A** | 30.0 | 1.18 |
| **B** | 8.0 | 0.31 |
| **C** | 10.0 | 0.39 |
| **D** | 22.0 | 0.87 |
| **E** | 14.0 | 0.55 |

## 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

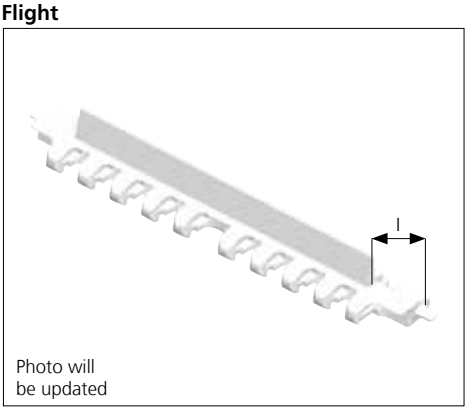


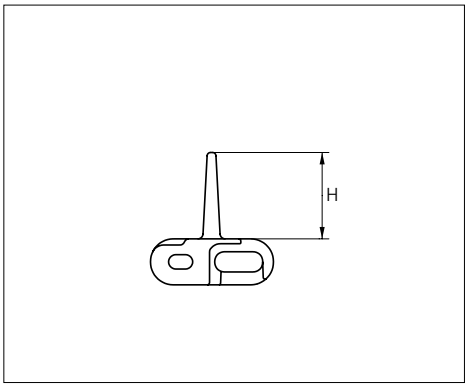

| | mm | in |
|---|---|---|
| **A** | 30.0 | 1.18 |
| **B** | 36.0 | 1.42 |
| **C** | 8.0 | 0.31 |
| **D** | 14.0 | 0.55 |
| **E** | 40.0 | 1.57 |
| **F** | 12.0 | 0.47 |

**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



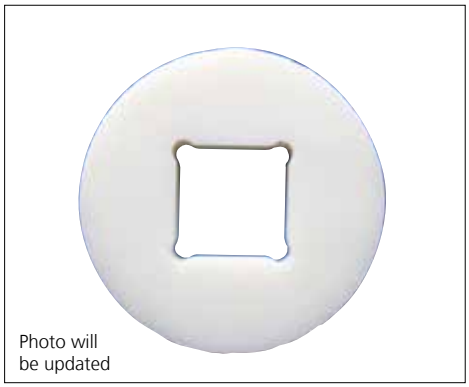




| Type | Standard belt material & color | Height (H) | | Indent (I) | | Link size | Width | |
|---|---|---|---|---|---|---|---|---|
| | | mm | in | mm | in | | mm | in |
| Flight | POM-SX W B * | 25.4 | 1.00 | 32.0 | 1.26 | K1200 | 304.8 | 12.0 |

* 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

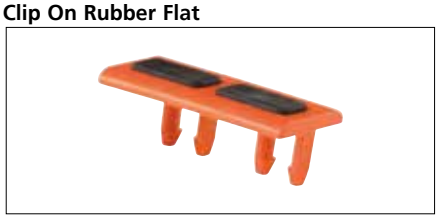


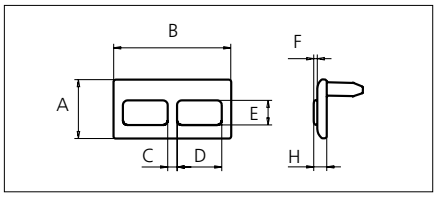

| Type | Standard material & color | No. of teeth | Diameter idler | |
|---|---|---|---|---|
| | | | mm | in |
| Idler | POM-D N | 8 | 72.9 | 2.87 |
| | | 9 | 85.6 | 3.37 |
| | | 11 | 110.7 | 4.36 |
| | | 12 | 123.1 | 4.85 |
| | | 13 | 135.5 | 5.33 |
| | | 16 | 172.4 | 6.79 |

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

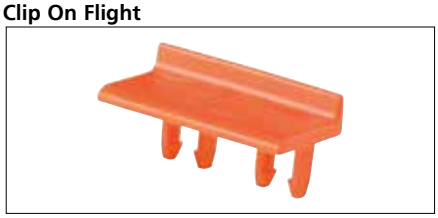


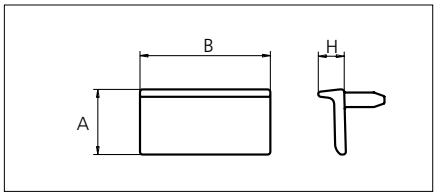



| | mm | in |
|---|---|---|
| A | 25.0 | 0.98 |
| B | 50.0 | 1.97 |
| C | 4.0 | 0.16 |
| D | 19.0 | 0.75 |
| E | 10.5 | 0.41 |
| F | 1.5 | 0.06 |

## Accessories

### Clip On Flight



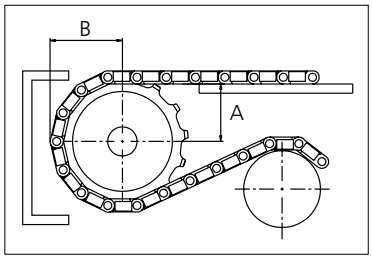



| Type | Height (H) | | Standard materials & colors |
|---|---|---|---|
| | mm | in | |
| uni Flex ONE Clip On Rubber Flat | 5.5 | 0.22 | POM-D O + Rubber 01 K |
| uni Flex ONE Clip On Flight | 10.0 | 0.39 | POM-D O |

## Sprocket

| No. of teeth | Bore size | | | | | | | | | | | | | Overall diameter | | Pitch diameter | | Hub diameter | | Dimension A | | Dimension B | | Single row/Two way | Double row/Two way | PA6 LG Molded | PA6 Machined |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 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 | mm | in | | | | |
| 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**




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

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)

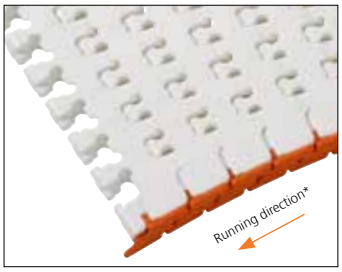
Max. load per sprocket shown does not take bore size into account.
Please also ensure that sufficient size shaft is chosen for corresponding load.

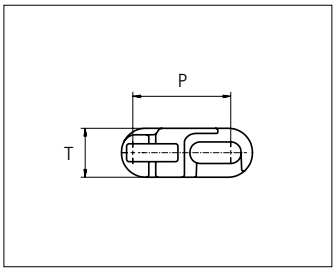
For correct sprocket position: See uni Assembly Instructions for uni Flex ONE.
For more detailed sprocket information, contact Customer Service.

# Plastic Modular Belt

## Series **uni Flex ONE**

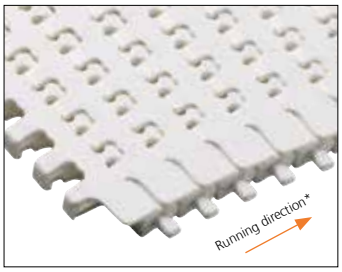


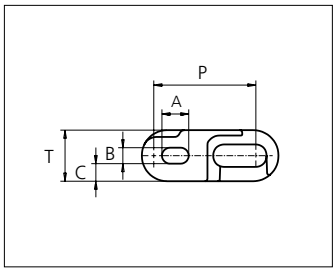


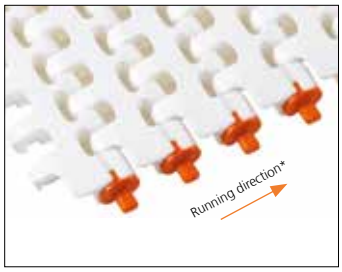

Sideflexing belt
Nominal pitch: 38.1 mm (1.50 in)
Surface type: Flat
Surface opening: 15%
Backflex radius: 50.0 mm (1.97 in)
Min. inside radius R1.6 x belt width

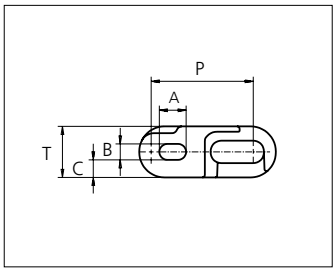
**uni Flex ONE EWC R1.6**
Surface Opening: 15%



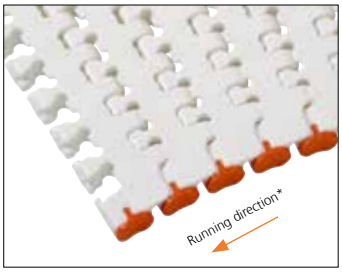



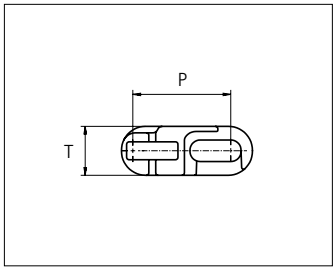

**uni Flex ONE O R1.6**
Surface Opening: 15%



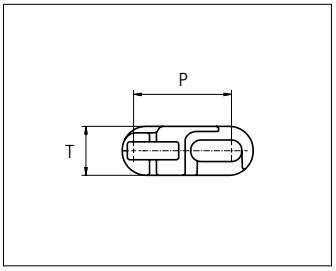




**uni Flex ONE EO R1.6**
Surface Opening: 15%

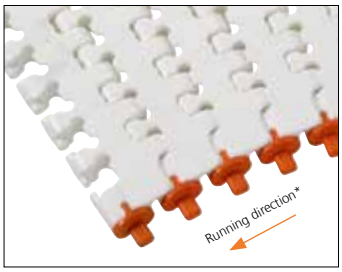


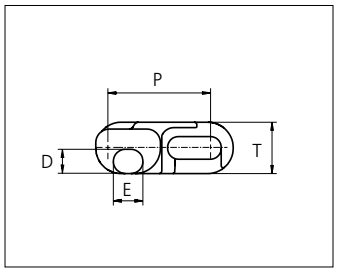




**uni Flex ONE EW R1.6**
Surface Opening: 15%


**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 reccomends 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**<br>K1200, K1500, K1800: POM DK **O**<br>K2400: POM DK **B** |

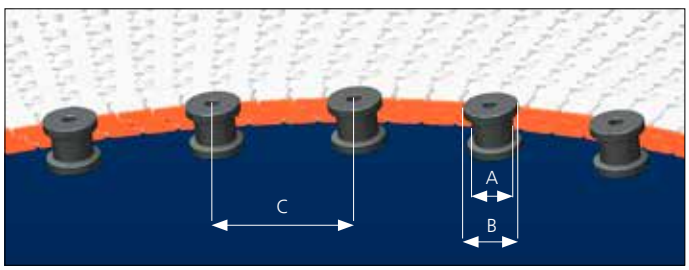
**Please note that uni Flex ONE in POM-SX blue is not according to the standard color quality for blue. Small variations may occur.

| 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) |
| | | | | Straight sections | | Curve sections | | | | | | |
| Size | mm | in | | N | lbf | N | lbf | kg/m | lb/ft | | | |
| 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

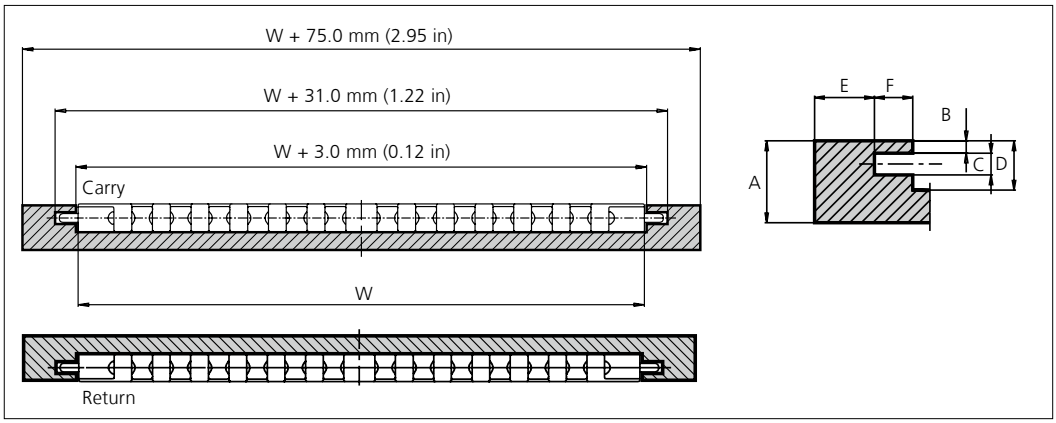
### uni Flex One EWC




| | mm | in |
|---|---|---|
| A | min ø30 | min ø1¼ |
| B | A + min 12 | A + min ½ |
| C | 100-150 | 4-6 |

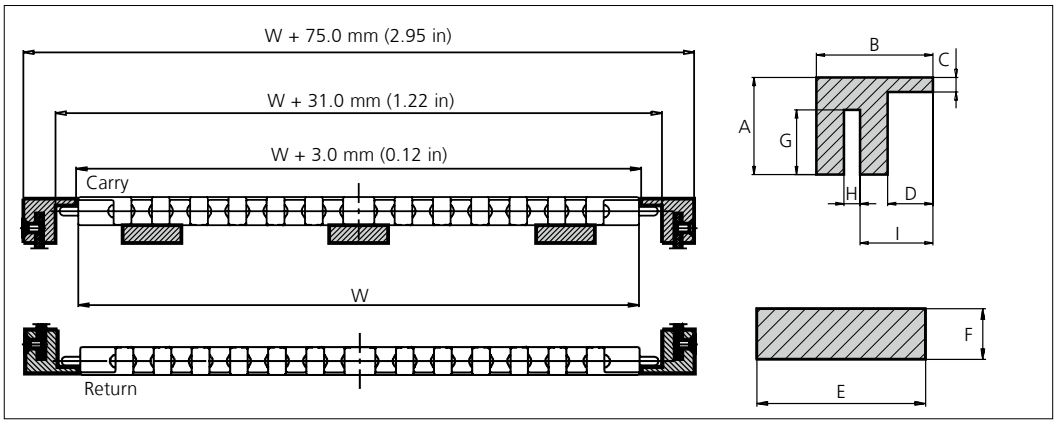
# Profiles for uni Flex ONE O/EO

## Compact Profile Configuration



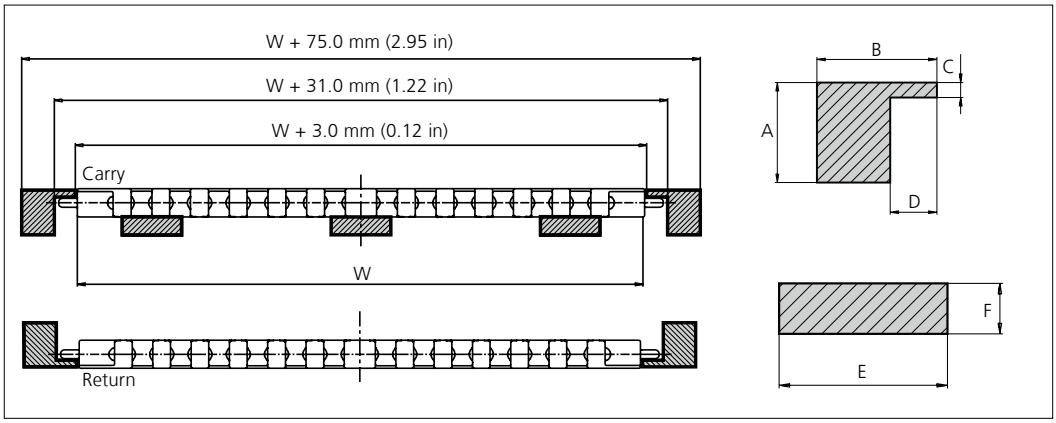

| | mm | in |
|---|---|---|
| **A** | 30.0 | 1.18 |
| **B** | 4.5 | 0.18 |
| **C** | 8.0 | 0.31 |
| **D** | 18.0 | 0.71 |
| **E** | 22.0 | 0.87 |
| **F** | 14.0 | 0.55 |

## 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



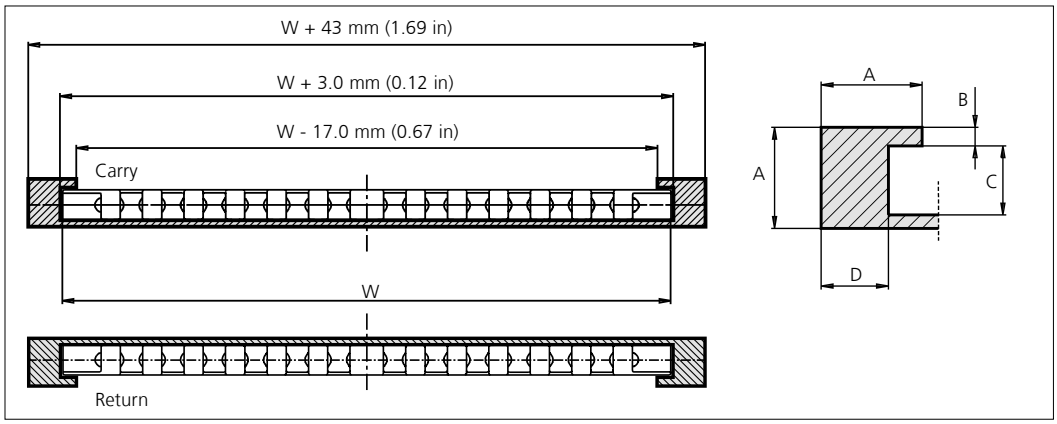

| | mm | in |
|---|---|---|
| **A** | 30.0 | 1.18 |
| **B** | 36.0 | 1.42 |
| **C** | 4.5 | 0.18 |
| **D** | 14.0 | 0.55 |
| **E** | 40.0 | 1.57 |
| **F** | 12.0 | 0.47 |

**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 ider 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.

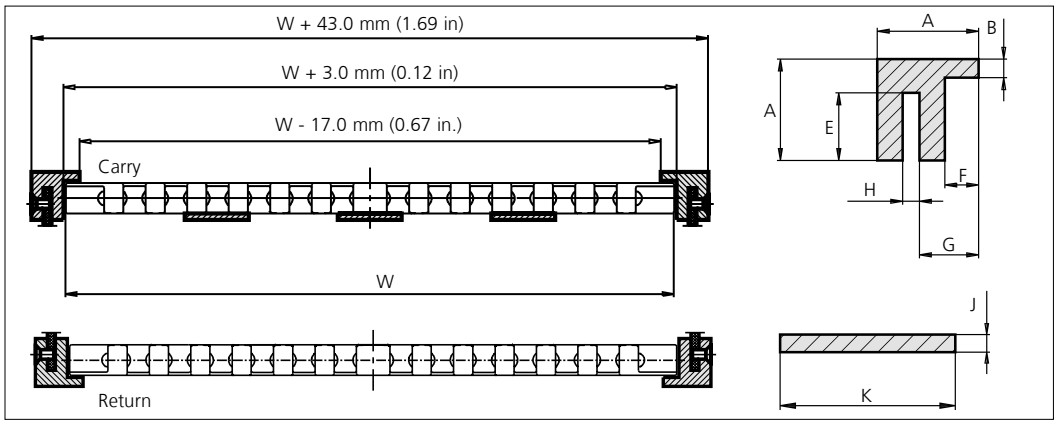
# Profiles for uni Flex ONE EW/ER

## Compact Profile Configuration



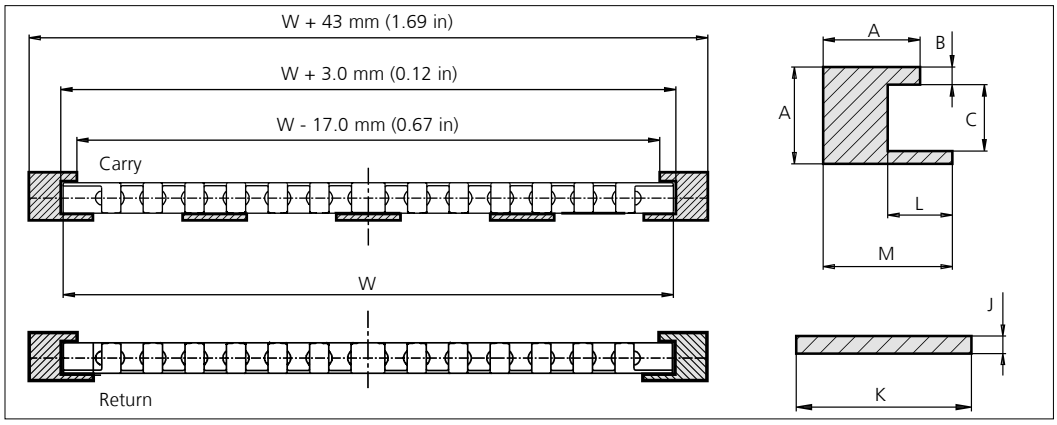

| | mm | in |
|---|---|---|
| **A** | 30.0 | 1.18 |
| **B** | 5.5 | 0.22 |
| **C** | 20.5 | 0.81 |
| **D** | 20.0 | 0.79 |

## 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



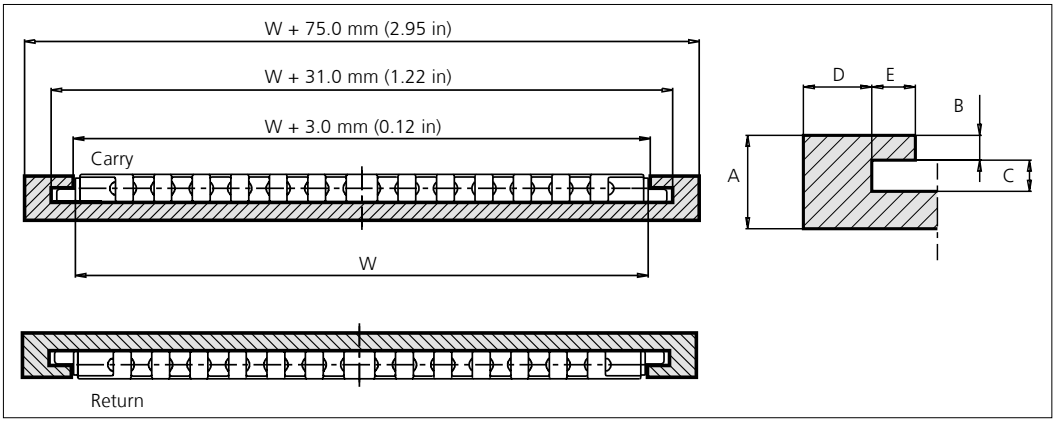

| | mm | in |
|---|---|---|
| **A** | 30.0 | 1.18 |
| **B** | 5.5 | 0.22 |
| **C** | 20.5 | 0.81 |
| **J** | 4.0 | 0.16 |
| **K** | 40.0 | 1.57 |
| **L** | 20.0 | 0.79 |
| **M** | 40.0 | 1.57 |

**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.

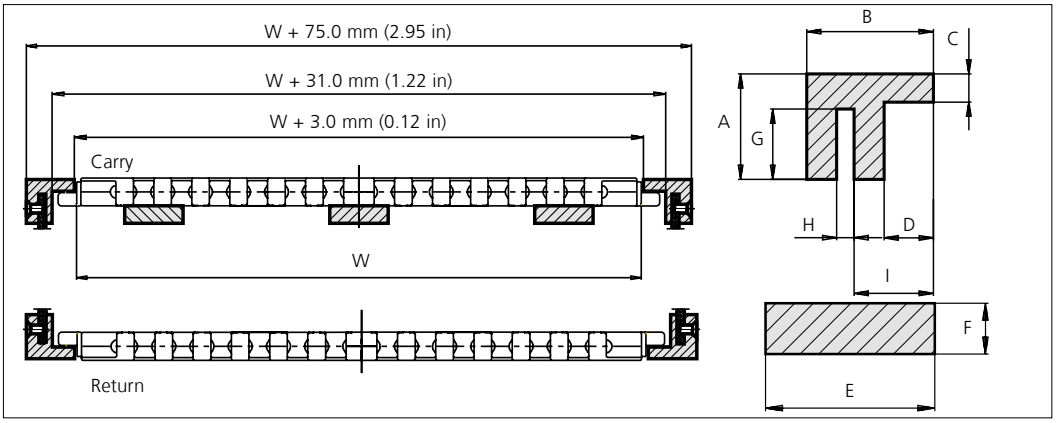
# Profiles for uni Flex ONE EOO

## Compact Profile Configuration



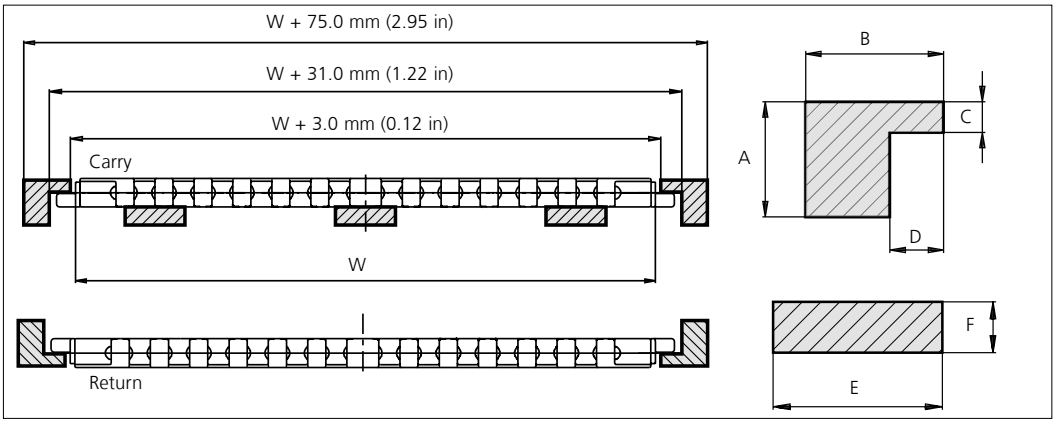

| | mm | in |
|---|---|---|
| **A** | 30.0 | 1.18 |
| **B** | 8.0 | 0.31 |
| **C** | 10.0 | 0.39 |
| **D** | 22.0 | 0.87 |
| **E** | 14.0 | 0.55 |

## 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

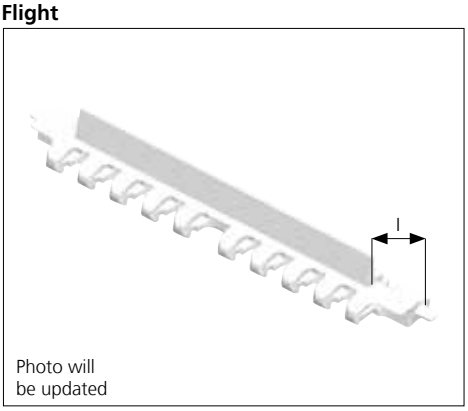


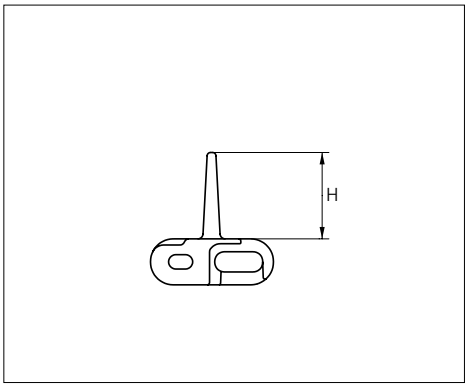

| | mm | in |
|---|---|---|
| **A** | 30.0 | 1.18 |
| **B** | 36.0 | 1.42 |
| **C** | 8.0 | 0.31 |
| **D** | 14.0 | 0.55 |
| **E** | 40.0 | 1.57 |
| **F** | 12.0 | 0.47 |

**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



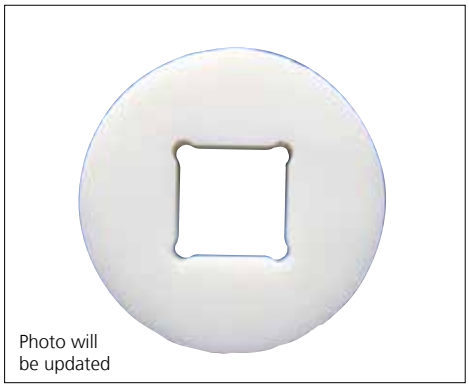




| Type | Standard belt material & color | Height (H) | | Indent (I) | | Link size | Width | |
|---|---|---|---|---|---|---|---|---|
| | | mm | in | mm | in | | mm | in |
| Flight | POM-SX W B * | 25.4 | 1.00 | 32.0 | 1.26 | K1200 | 304.8 | 12.0 |

* 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

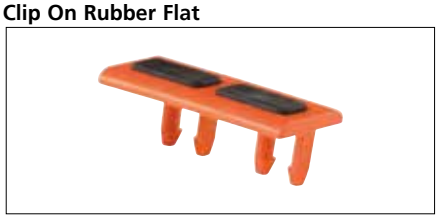


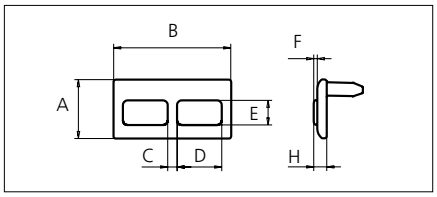

| Type | Standard material & color | No. of teeth | Diameter idler | |
|---|---|---|---|---|
| | | | mm | in |
| Idler | POM-D N | 8 | 72.9 | 2.87 |
| | | 9 | 85.6 | 3.37 |
| | | 11 | 110.7 | 4.36 |
| | | 12 | 123.1 | 4.85 |
| | | 13 | 135.5 | 5.33 |
| | | 16 | 172.4 | 6.79 |

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

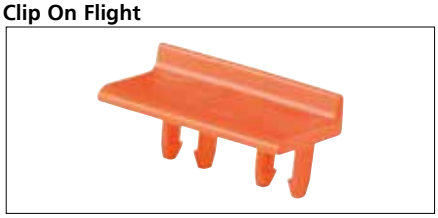


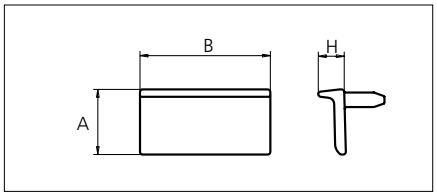



| | mm | in |
|---|---|---|
| A | 25.0 | 0.98 |
| B | 50.0 | 1.97 |
| C | 4.0 | 0.16 |
| D | 19.0 | 0.75 |
| E | 10.5 | 0.41 |
| F | 1.5 | 0.06 |

## Accessories

### Clip On Flight



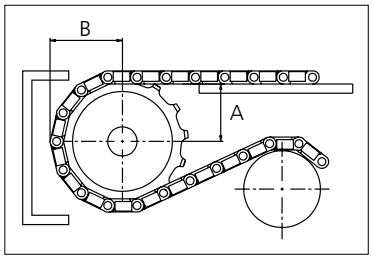



| Type | Height (H) | | Standard materials & colors |
|---|---|---|---|
| | mm | in | |
| uni Flex ONE Clip On Rubber Flat | 5.5 | 0.22 | POM-D O + Rubber 01 K |
| uni Flex ONE Clip On Flight | 10.0 | 0.39 | POM-D O |

## Sprocket

| No. of teeth | Bore size | | | | | | | | | | | | | Overall diameter | | Pitch diameter | | Hub diameter | | Dimension A | | Dimension B | | Single row/Two way | Double row/Two way | PA6 LG | PA6 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 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 | | | | | | | | | | | | | Molded | Machined |
| | | 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 | | | | |
| 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**




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

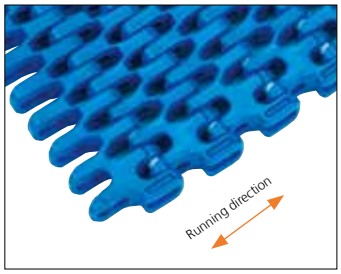
Other sprocket sizes are available upon request
Other bore sizes are available upon request
uni Retainer Rings: See uni Retainer Ring data sheet
Width of tooth = 9.0 mm (0.35 in)
Width of sprocket = 39.0 mm (1.54 in)

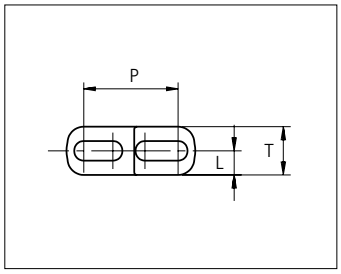
Max. load per sprocket shown does not take bore size into account.
Please also ensure that sufficient size shaft is chosen for corresponding load.

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

# Plastic Modular Belt

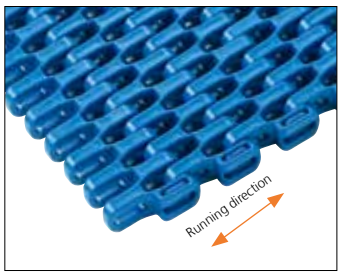
## Series **uni Flex SNB**

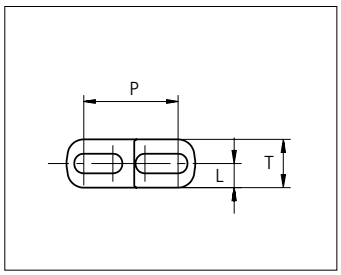


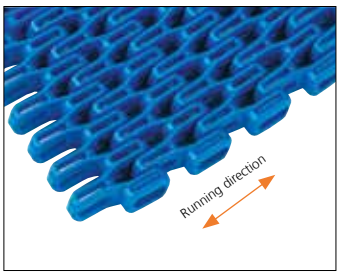

Sideflexing belt
Nominal pitch: 25.4 mm (1.00 in)
Surface type: Flat
Surface opening: 47%/55%
Backflex radius: 25.0 mm (0.98 in)
Pin diameter: 5.0 mm (0.20 in)
Min. inside radius: R1.6 x belt width, R2.3 x belt width

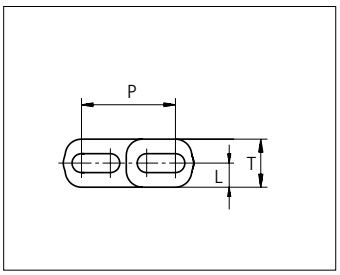
**uni Flex SNB CR R1.6**
Surface Opening: 47%



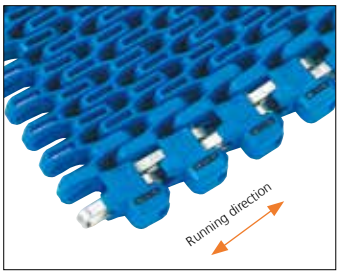



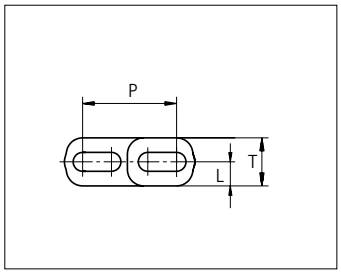

**uni Flex SNB C R2.3**
Surface Opening: 47%



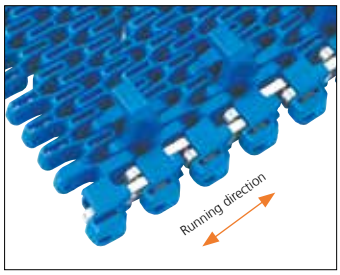



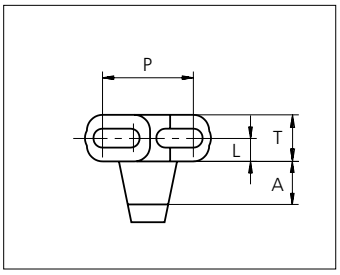

**uni Flex SNB L R2.3**
Surface Opening: 55%



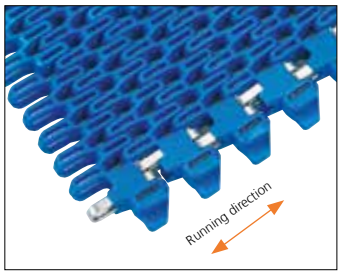



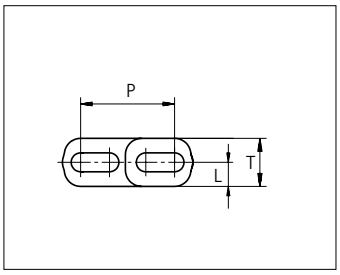

**uni Flex SNB W R2.3**
Surface Opening: 55%




**uni Flex SNB WT R2.3**
Surface Opening: 55%



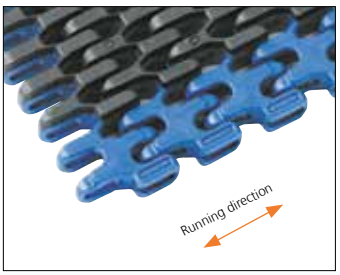

**uni Flex SNB WO R2.3**
Surface Opening: 55%

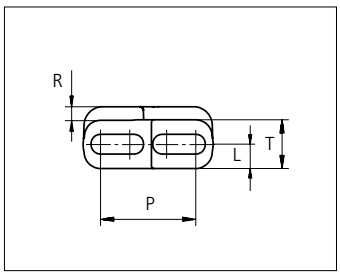
| | mm | in | | mm | in |
|---|---|---|---|---|---|
| **P (Nominal)** | 25.4 | 1.00 | **L** | 6.5 | 0.26 |
| **A** | 12.0 | 0.47 | **T** | 13.0 | 0.51 |

STANDARD

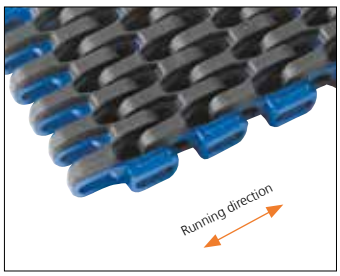
SIDE FLEXING

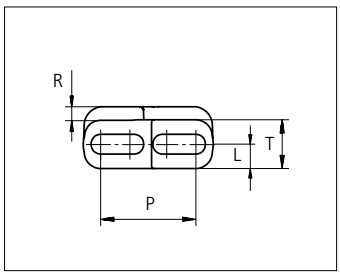
PITCH 25.4 MM/1.00 IN



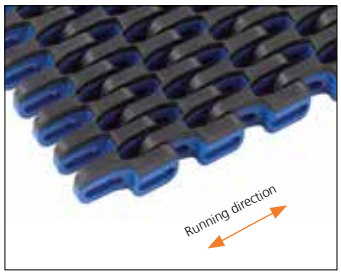



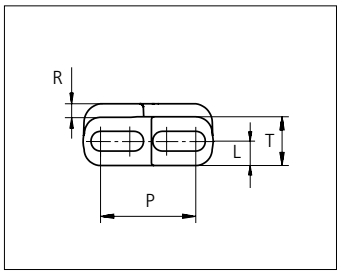

**uni Flex SNB CR Rubber Top R1.6**
Surface Opening: 47%




**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**<br>**uni Flex SNB C R2.3**<br>**uni Flex SNB L R2.3*** | POM-D **B** **W**<br>PP **B** **W**<br>PA6.6 **B** **W** | // PBT **LG** |
| **uni Flex SNB C R2.3** | POM-D **B** **W** | |
| **uni Flex SNB W**<br>**uni Flex SNB WO** | PA6.6 **B** **W** | // SS304 |
| **uni Flex SNB WT** | PA6.6 **B** **W** | // SS304<br>// PBT **LG** |
| **uni Flex SNB CR Rubber Top R1.6**<br>**uni Flex SNB CI Rubber Top R2.3**<br>**uni Flex SNB CI Rubber Top R2.3** | PP **B** **W** + 03 **K**<br>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 | | | | |
| | | Straight sections | | Curve sections | | Straight sections | | Curve sections | | Straight sections | | Curve sections | | | | | | | | | **Carry (pcs) | **Return (pcs) |
| 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 | | | |
| 153 | 6.0 | 4590 | 1032 | 600 | 135 | 2295 | 516 | 600 | 135 | 4590 | 1032 | 600 | 135 | 1.2 | 0.79 | 0.8 | 0.56 | 1.0 | 0.66 | 2 | 2 | 2 |
| 229 | 9.0 | 6870 | 1544 | 600 | 135 | 3435 | 772 | 600 | 135 | 6870 | 1544 | 600 | 135 | 1.8 | 1.19 | 1.2 | 0.83 | 1.5 | 0.98 | 2 | 2 | 2 |
| 305 | 12.0 | 9150 | 2057 | 600 | 135 | 4575 | 1028 | 600 | 135 | 9150 | 2057 | 600 | 135 | 2.3 | 1.58 | 1.6 | 1.11 | 2.0 | 1.31 | 3 | 3 | 2 |
| 381 | 15.0 | 11430 | 2569 | 600 | 135 | 5715 | 1285 | 600 | 135 | 11430 | 2569 | 600 | 135 | 2.9 | 1.97 | 2.1 | 1.38 | 2.4 | 1.64 | 3 | 3 | 2 |
| 457 | 18.0 | 13710 | 3082 | 600 | 135 | 6855 | 1541 | 600 | 135 | 13710 | 3082 | 600 | 135 | 3.5 | 2.36 | 2.5 | 1.66 | 2.9 | 1.97 | 5 | 4 | 2 |
| 534 | 21.0 | 16020 | 3601 | 600 | 135 | 8010 | 1801 | 600 | 135 | 16020 | 3601 | 600 | 135 | 4.1 | 2.76 | 2.9 | 1.94 | 3.4 | 2.30 | 5 | 4 | 2 |
| 610 | 24.0 | 18300 | 4114 | 600 | 135 | 9150 | 2057 | 600 | 135 | 18300 | 4114 | 600 | 135 | 4.7 | 3.16 | 3.3 | 2.21 | 3.9 | 2.62 | 5 | 5 | 3 |
| 686 | 27.0 | 20580 | 4626 | 600 | 135 | 10290 | 2313 | 600 | 135 | 20580 | 4626 | 600 | 135 | 5.3 | 3.55 | 3.7 | 2.49 | 4.4 | 2.95 | 5 | 5 | 3 |
| 762 | 30.0 | 22860 | 5139 | 600 | 135 | 11430 | 2569 | 600 | 135 | 22860 | 5139 | 600 | 135 | 5.9 | 3.94 | 4.1 | 2.77 | 4.9 | 3.28 | 7 | 6 | 3 |
| 838 | 33.0 | 25140 | 5651 | 600 | 135 | 12570 | 2826 | 600 | 135 | 25140 | 5651 | 600 | 135 | 6.5 | 4.34 | 4.5 | 3.04 | 5.4 | 3.60 | 7 | 6 | 3 |
| 914 | 36.0 | 27420 | 6164 | 600 | 135 | 13710 | 3082 | 600 | 135 | 27420 | 6164 | 600 | 135 | 7.0 | 4.73 | 4.9 | 3.32 | 5.8 | 3.93 | 7 | 7 | 4 |
| 990 | 39.0 | 29700 | 6677 | 600 | 135 | 14850 | 3338 | 600 | 135 | 29700 | 6677 | 600 | 135 | 7.6 | 5.12 | 5.3 | 3.59 | 6.3 | 4.26 | 7 | 7 | 4 |
| 1067 | 42.0 | 32010 | 7196 | 600 | 135 | 16005 | 3598 | 600 | 135 | 32010 | 7196 | 600 | 135 | 8.2 | 5.52 | 5.8 | 3.87 | 6.8 | 4.59 | 9 | 8 | 4 |
| 1143 | 45.0 | 34290 | 7708 | 600 | 135 | 17145 | 3854 | 600 | 135 | 34290 | 7708 | 600 | 135 | 8.8 | 5.91 | 6.2 | 4.15 | 7.3 | 4.92 | 9 | 8 | 4 |

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.
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 | | | | |
| | | Straight sections | | Curve sections | | Straight sections | | Curve sections | | Straight sections | | Curve sections | | | | | | | | | **Carry (pcs) | **Return (pcs) |
| 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 | | | | |
| | | Straight sections | | Curve sections | | Straight sections | | Curve sections | | Straight sections | | Curve sections | | | | | | | | | **Carry (pcs) | **Return (pcs) |
| 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 | | | | |
| | | Straight sections | | Curve sections | | Straight sections | | Curve sections | | Straight sections | | Curve sections | | | | | | | | | **Carry (pcs) | **Return (pcs) |
| 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 |

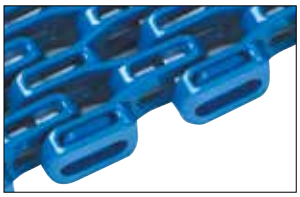
General belt tolerance is +0/-0.4% at 23°C/73°F. For exact belt width contact Customer Service. Non standard belt width on request.
Outer modules are always in PA6.6 on belts wider than 234 mm (9.21 in).
Belts up to 234 mm (9.21 in) in width is only available in PA6.6.
*Max. Load per Drive Sprocket. 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).

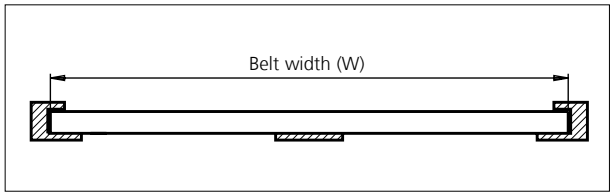
## uni Flex SNB WT R2.3 – SS pins

| 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+ Reinforcement links | | SS+ Reinforcement links | | SS+ Reinforcement links | | | | |
| | | Straight sections | | Curve sections | | Straight sections | | Curve sections | | Straight sections | | Curve sections | | | | | | | | | **Carry (pcs) | **Return (pcs) |
| 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).

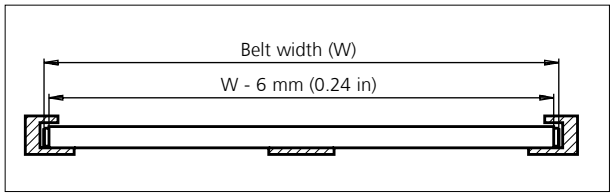
## Belt Tracking og Control Systems





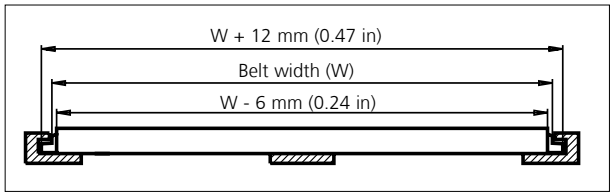

Basic belt types can be combined with the belt tracking and control systems below to enhance performance. Basic belt types can be combined with the belt tracking and control systems below to enhance performance.

**uni Flex SNB L R2.3**
Standard



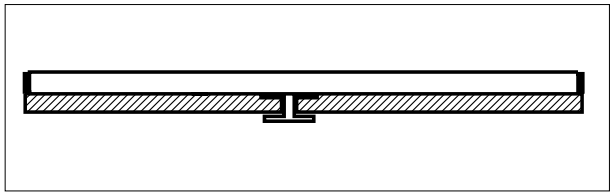

Wearpart system made of heat and wear resistant nylon to reduce the friction between belt edge and wearstrip. Only this part needs to be replaced when it has been worn out, not the entire belt.

**Wearpart**



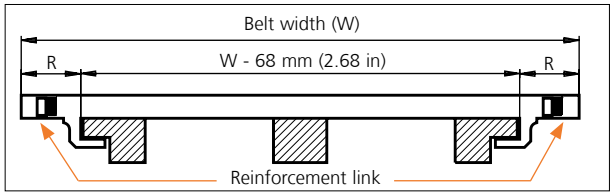

Outer edge tab system made of heat and wear resistant nylon to reduce the friction between belt edge and wearstrip. Using a slotted wear-strip, the O-Tab will track the belt and allow the conveyed products to be wider than the belt.
Height of O-Tab: 6.4 mm (0.25 in)
Height of slot: 8.0 mm (0.31 in)

**O-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).

**I-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).

**S-Tab**

| Type | Belt tracking and control combination | | | |
|---|---|---|---|---|
| | Wearpart | O-Tab | S-Tab | I-Tab |
| uni Flex SNB L R2.3 | + | + | - | + |
| uni Flex SNB CR R1.6<br>uni Flex SNB C 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).

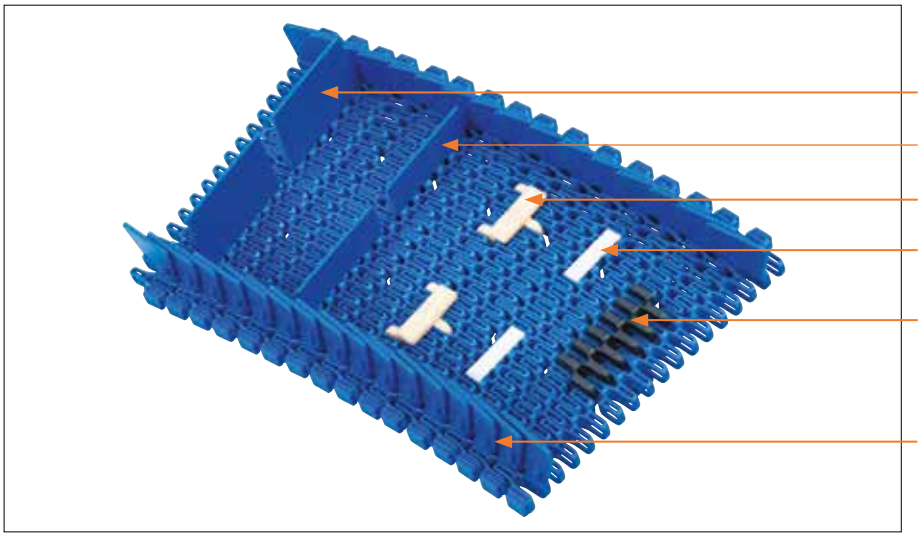
When using square shafts, please verify that the diagonal does not exceed max. diameter.

Example: Sprocket z = 10: Max. shaft diameter 82.2 - 50.8 = ø31 mm (3.24 - 2.00 = ø1.2 in).

✓ *Standard* + *Optional*

\- *Unavailable*

## Accessories




## 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 |

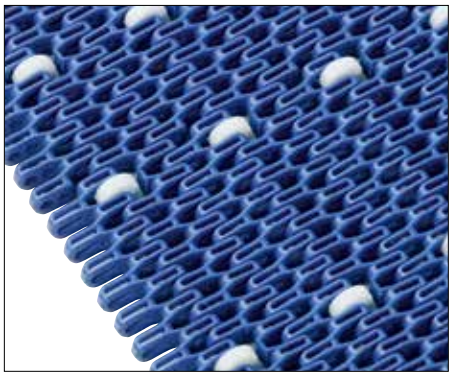
## Accessories

### Minimum Indents (I)

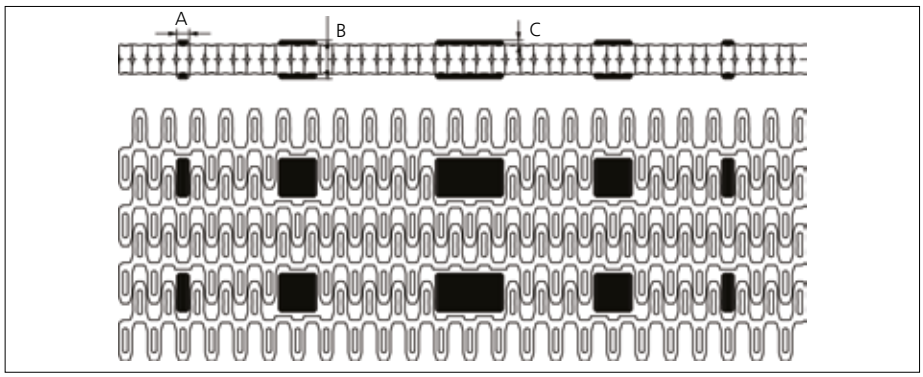
| Type | Rubber Top | | | | Side Guard | | | | Click on Flights without Side Guard | | | | Click on Flights with Side Guard | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Left | | Right | | Left | | Right | | Left | | Right | | Left | | Right | |
| | mm | in | mm | 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)



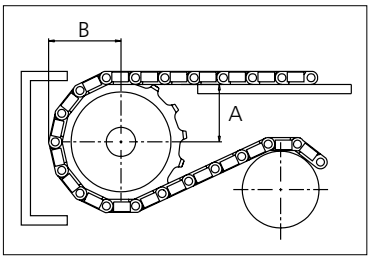

Made-To-Oder Materials: POM-D, PP, PA6.6 and Roller Material POM-D.
Non standard Roller material and color: See uni Material and Color verview.

| 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 | Bore size | | | | | | | | | | | | | Overall diameter | | Pitch diameter | | Hub diameter | | Dimension A | | Dimension B | | Single row/Two way | Double row/Two way | LG PA6 Molded | N PA6 Machined |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 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 | 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 = 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 Flex ASB.
For more detailed sprocket information, contact Customer Service.

uni Flex SNB/150828



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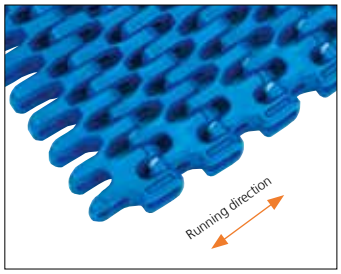
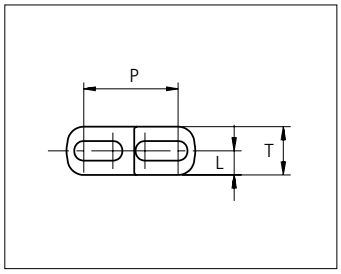
# Plastic Modular Belt

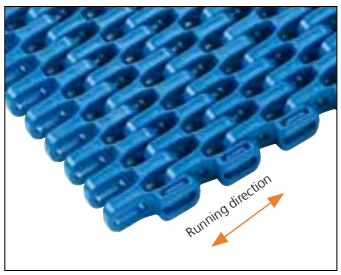
## Series **uni Flex SNB**

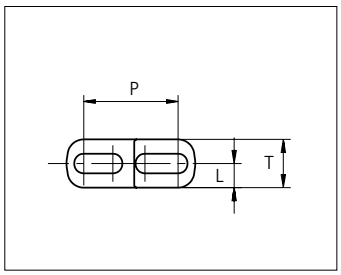


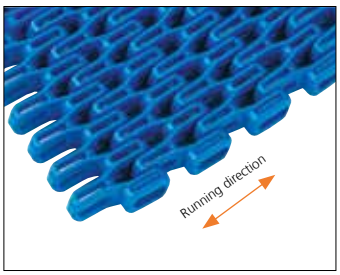

Sideflexing belt
Nominal pitch: 25.4 mm (1.00 in)
Surface type: Flat
Surface opening: 47%/55%
Backflex radius: 25.0 mm (0.98 in)
Pin diameter: 5.0 mm (0.20 in)
Min. inside radius: R1.6 x belt width, R2.3 x belt width

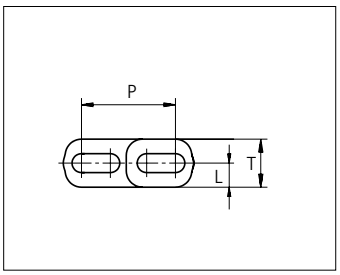
**uni Flex SNB CR R1.6**
Surface Opening: 47%



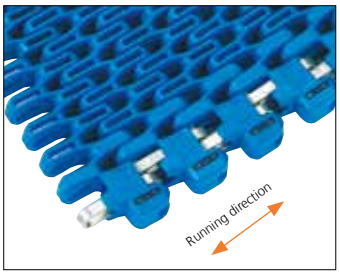



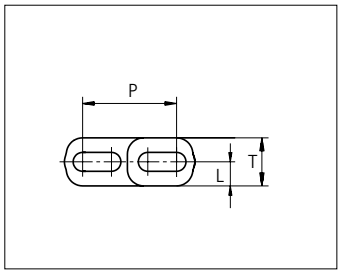

**uni Flex SNB C R2.3**
Surface Opening: 47%



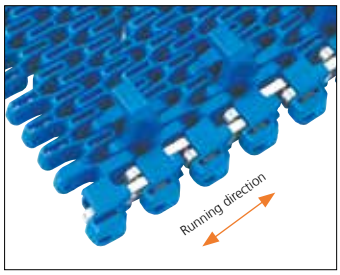



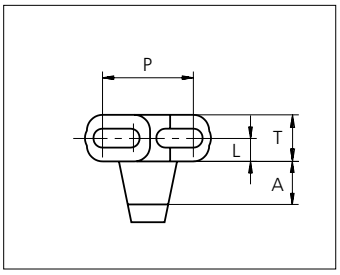

**uni Flex SNB L R2.3**
Surface Opening: 55%



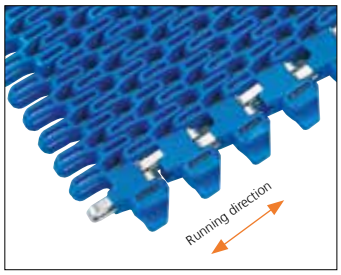



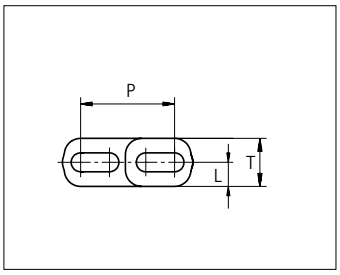

**uni Flex SNB W R2.3**
Surface Opening: 55%




**uni Flex SNB WT R2.3**
Surface Opening: 55%



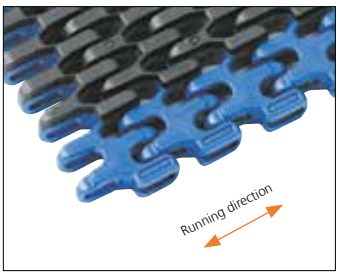

**uni Flex SNB WO R2.3**
Surface Opening: 55%

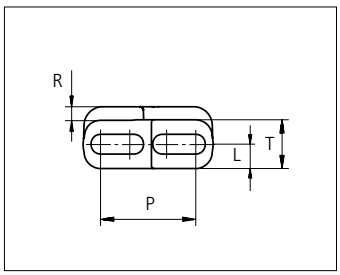
| | mm | in | | mm | in |
|---|---|---|---|---|---|
| **P (Nominal)** | 25.4 | 1.00 | **L** | 6.5 | 0.26 |
| **A** | 12.0 | 0.47 | **T** | 13.0 | 0.51 |

STANDARD

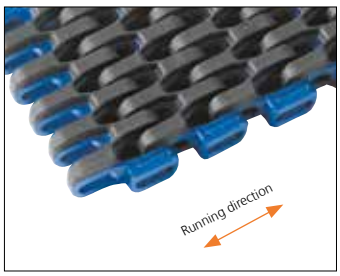
SIDE FLEXING

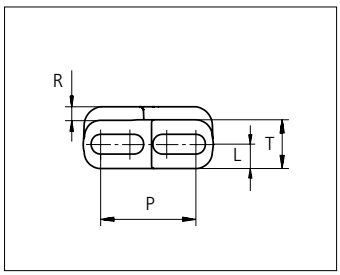
PITCH 25.4 MM/1.00 IN



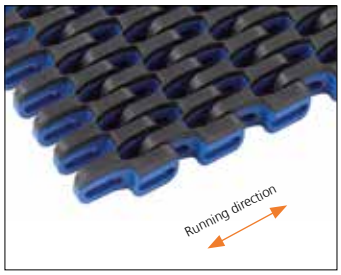



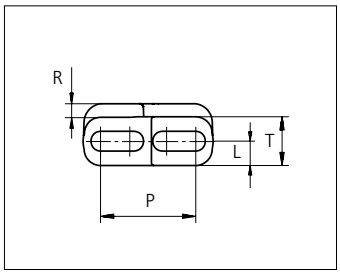

**uni Flex SNB CR Rubber Top R1.6**
Surface Opening: 47%




**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**<br>**uni Flex SNB C R2.3**<br>**uni Flex SNB L R2.3*** | POM-D **B** **W**<br>PP **B** **W**<br>PA6.6 **B** **W** | // PBT **LG** |
| **uni Flex SNB C R2.3** | POM-D **B** **W** | |
| **uni Flex SNB W**<br>**uni Flex SNB WO** | PA6.6 **B** **W** | // SS304 |
| **uni Flex SNB WT** | PA6.6 **B** **W** | // SS304<br>// PBT **LG** |
| **uni Flex SNB CR Rubber Top R1.6**<br>**uni Flex SNB CI Rubber Top R2.3**<br>**uni Flex SNB CI Rubber Top R2.3** | PP **B** **W** + 03 **K**<br>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 | | | | |
| | | Straight sections | | Curve sections | | Straight sections | | Curve sections | | Straight sections | | Curve sections | | | | | | | | | **Carry (pcs) | **Return (pcs) |
| 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 | | | |
| 153 | 6.0 | 4590 | 1032 | 600 | 135 | 2295 | 516 | 600 | 135 | 4590 | 1032 | 600 | 135 | 1.2 | 0.79 | 0.8 | 0.56 | 1.0 | 0.66 | 2 | 2 | 2 |
| 229 | 9.0 | 6870 | 1544 | 600 | 135 | 3435 | 772 | 600 | 135 | 6870 | 1544 | 600 | 135 | 1.8 | 1.19 | 1.2 | 0.83 | 1.5 | 0.98 | 2 | 2 | 2 |
| 305 | 12.0 | 9150 | 2057 | 600 | 135 | 4575 | 1028 | 600 | 135 | 9150 | 2057 | 600 | 135 | 2.3 | 1.58 | 1.6 | 1.11 | 2.0 | 1.31 | 3 | 3 | 2 |
| 381 | 15.0 | 11430 | 2569 | 600 | 135 | 5715 | 1285 | 600 | 135 | 11430 | 2569 | 600 | 135 | 2.9 | 1.97 | 2.1 | 1.38 | 2.4 | 1.64 | 3 | 3 | 2 |
| 457 | 18.0 | 13710 | 3082 | 600 | 135 | 6855 | 1541 | 600 | 135 | 13710 | 3082 | 600 | 135 | 3.5 | 2.36 | 2.5 | 1.66 | 2.9 | 1.97 | 5 | 4 | 2 |
| 534 | 21.0 | 16020 | 3601 | 600 | 135 | 8010 | 1801 | 600 | 135 | 16020 | 3601 | 600 | 135 | 4.1 | 2.76 | 2.9 | 1.94 | 3.4 | 2.30 | 5 | 4 | 2 |
| 610 | 24.0 | 18300 | 4114 | 600 | 135 | 9150 | 2057 | 600 | 135 | 18300 | 4114 | 600 | 135 | 4.7 | 3.16 | 3.3 | 2.21 | 3.9 | 2.62 | 5 | 5 | 3 |
| 686 | 27.0 | 20580 | 4626 | 600 | 135 | 10290 | 2313 | 600 | 135 | 20580 | 4626 | 600 | 135 | 5.3 | 3.55 | 3.7 | 2.49 | 4.4 | 2.95 | 5 | 5 | 3 |
| 762 | 30.0 | 22860 | 5139 | 600 | 135 | 11430 | 2569 | 600 | 135 | 22860 | 5139 | 600 | 135 | 5.9 | 3.94 | 4.1 | 2.77 | 4.9 | 3.28 | 7 | 6 | 3 |
| 838 | 33.0 | 25140 | 5651 | 600 | 135 | 12570 | 2826 | 600 | 135 | 25140 | 5651 | 600 | 135 | 6.5 | 4.34 | 4.5 | 3.04 | 5.4 | 3.60 | 7 | 6 | 3 |
| 914 | 36.0 | 27420 | 6164 | 600 | 135 | 13710 | 3082 | 600 | 135 | 27420 | 6164 | 600 | 135 | 7.0 | 4.73 | 4.9 | 3.32 | 5.8 | 3.93 | 7 | 7 | 4 |
| 990 | 39.0 | 29700 | 6677 | 600 | 135 | 14850 | 3338 | 600 | 135 | 29700 | 6677 | 600 | 135 | 7.6 | 5.12 | 5.3 | 3.59 | 6.3 | 4.26 | 7 | 7 | 4 |
| 1067 | 42.0 | 32010 | 7196 | 600 | 135 | 16005 | 3598 | 600 | 135 | 32010 | 7196 | 600 | 135 | 8.2 | 5.52 | 5.8 | 3.87 | 6.8 | 4.59 | 9 | 8 | 4 |
| 1143 | 45.0 | 34290 | 7708 | 600 | 135 | 17145 | 3854 | 600 | 135 | 34290 | 7708 | 600 | 135 | 8.8 | 5.91 | 6.2 | 4.15 | 7.3 | 4.92 | 9 | 8 | 4 |

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.
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 | | | | |
| | | Straight sections | | Curve sections | | Straight sections | | Curve sections | | Straight sections | | Curve sections | | | | | | | | | **Carry (pcs) | **Return (pcs) |
| 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 | | | | | | | | | | |
| 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 | | | | | | | | | | |
| 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 |

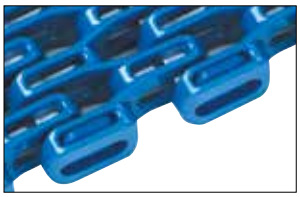
General belt tolerance is +0/-0.4% at 23°C/73°F. For exact belt width contact Customer Service. Non standard belt width on request.
Outer modules are always in PA6.6 on belts wider than 234 mm (9.21 in).
Belts up to 234 mm (9.21 in) in width is only available in PA6.6.
*Max. Load per Drive Sprocket. 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).

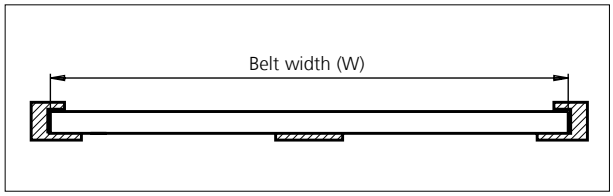
## uni Flex SNB WT R2.3 – SS pins

| 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+ Reinforcement links | | SS+ Reinforcement links | | SS+ Reinforcement links | | | | |
| | | Straight sections | | Curve sections | | Straight sections | | Curve sections | | Straight sections | | Curve sections | | | | | | | | | **Carry (pcs) | **Return (pcs) |
| 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).

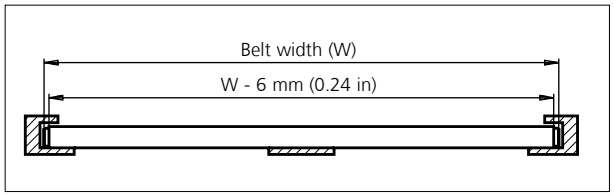
## Belt Tracking og Control Systems





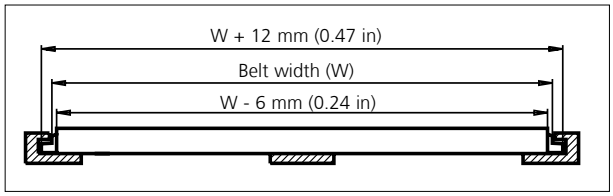

Basic belt types can be combined with the belt tracking and control systems below to enhance performance. Basic belt types can be combined with the belt tracking and control systems below to enhance performance.

**uni Flex SNB L R2.3**
Standard



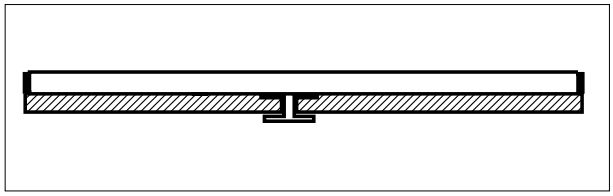

Wearpart system made of heat and wear resistant nylon to reduce the friction between belt edge and wearstrip. Only this part needs to be replaced when it has been worn out, not the entire belt.

**Wearpart**



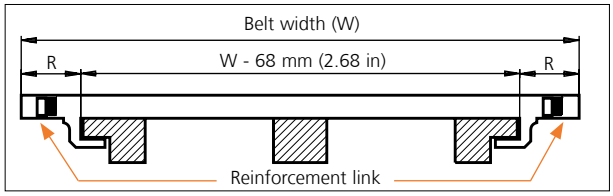

Outer edge tab system made of heat and wear resistant nylon to reduce the friction between belt edge and wearstrip. Using a slotted wear-strip, the O-Tab will track the belt and allow the conveyed products to be wider than the belt.
Height of O-Tab: 6.4 mm (0.25 in)
Height of slot: 8.0 mm (0.31 in)

**O-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).

**I-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).

**S-Tab**

| Type | Belt tracking and control combination | | | |
|---|---|---|---|---|
| | Wearpart | O-Tab | S-Tab | I-Tab |
| uni Flex SNB L R2.3 | + | + | - | + |
| uni Flex SNB CR R1.6<br>uni Flex SNB C 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).

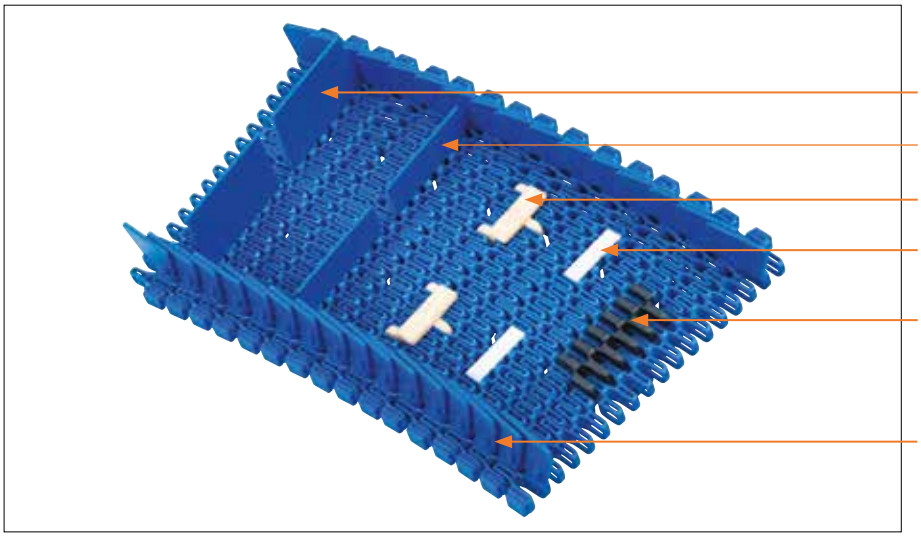
When using square shafts, please verify that the diagonal does not exceed max. diameter.

Example: Sprocket z = 10: Max. shaft diameter 82.2 - 50.8 = ø31 mm (3.24 - 2.00 = ø1.2 in).

✓ *Standard* + *Optional*

\- *Unavailable*

## Accessories




## 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 |

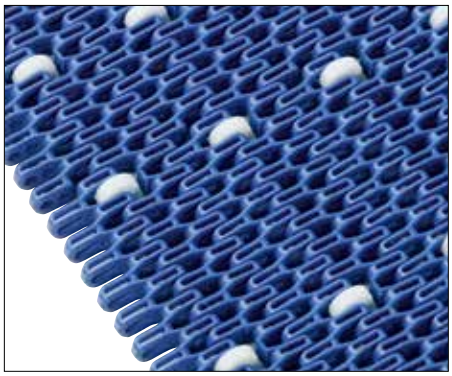
## Accessories

### Minimum Indents (I)

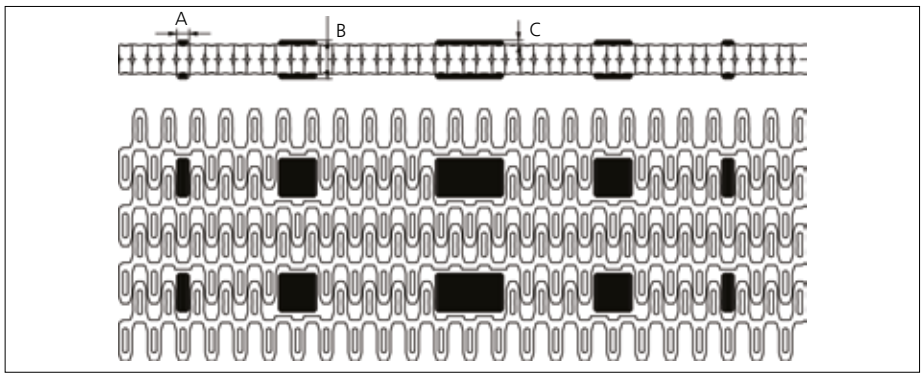
| Type | Rubber Top | | | | Side Guard | | | | Click on Flights without Side Guard | | | | Click on Flights with Side Guard | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Left | | Right | | Left | | Right | | Left | | Right | | Left | | Right | |
| | mm | in | mm | 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)



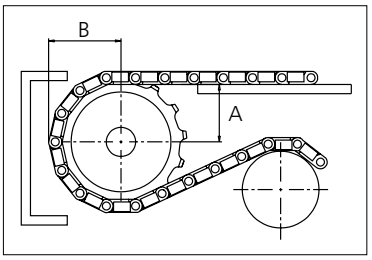

Made-To-Oder Materials: POM-D, PP, PA6.6 and Roller Material POM-D.
Non standard Roller material and color: See uni Material and Color verview.

| 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 | Bore size | | | | | | | | | | | | | Overall diameter | | Pitch diameter | | Hub diameter | | Dimension A | | Dimension B | | Single row/Two way | Double row/Two way | LG PA6 Molded | N PA6 Machined |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 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 | 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 = 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 Flex ASB.
For more detailed sprocket information, contact Customer Service.

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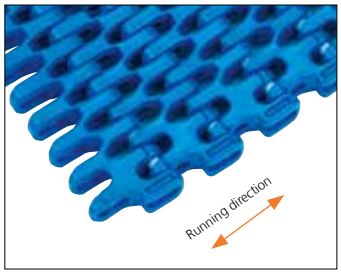
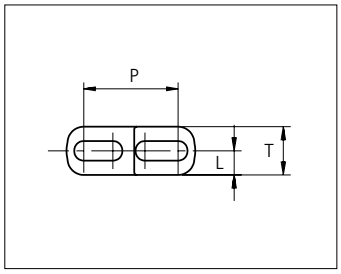
# Plastic Modular Belt

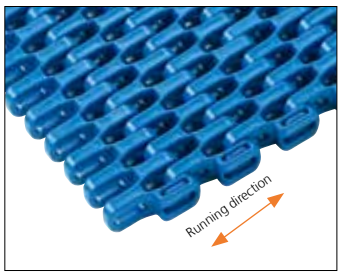
## Series **uni Flex SNB**

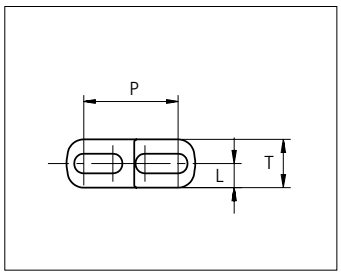


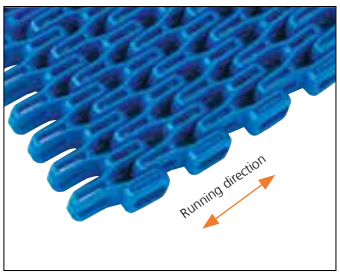

Sideflexing belt
Nominal pitch: 25.4 mm (1.00 in)
Surface type: Flat
Surface opening: 47%/55%
Backflex radius: 25.0 mm (0.98 in)
Pin diameter: 5.0 mm (0.20 in)
Min. inside radius: R1.6 x belt width, R2.3 x belt width

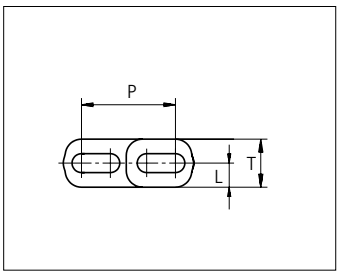
**uni Flex SNB CR R1.6**
Surface Opening: 47%



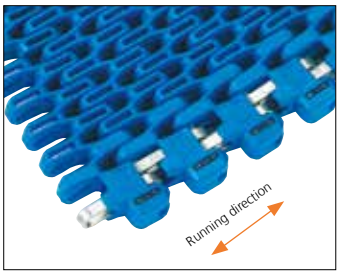



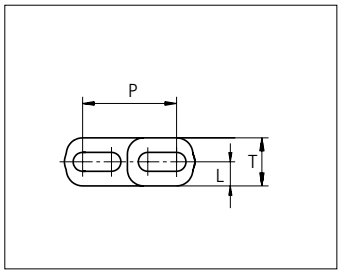

**uni Flex SNB C R2.3**
Surface Opening: 47%



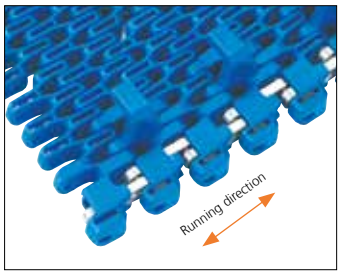



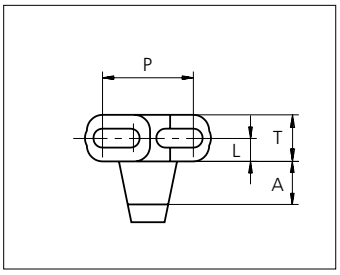

**uni Flex SNB L R2.3**
Surface Opening: 55%



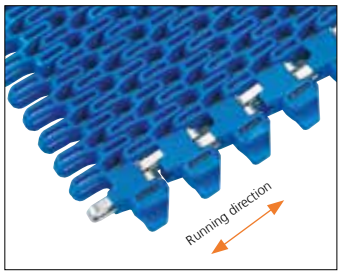



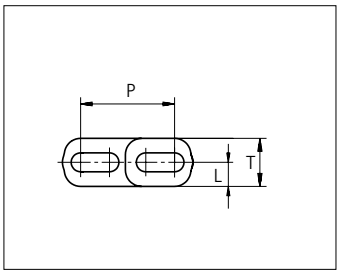

**uni Flex SNB W R2.3**
Surface Opening: 55%




**uni Flex SNB WT R2.3**
Surface Opening: 55%



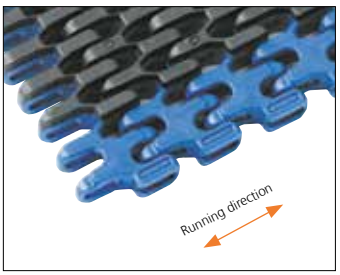

**uni Flex SNB WO R2.3**
Surface Opening: 55%

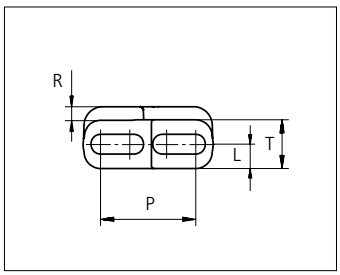
| | mm | in | | mm | in |
|---|---|---|---|---|---|
| **P (Nominal)** | 25.4 | 1.00 | **L** | 6.5 | 0.26 |
| **A** | 12.0 | 0.47 | **T** | 13.0 | 0.51 |

STANDARD

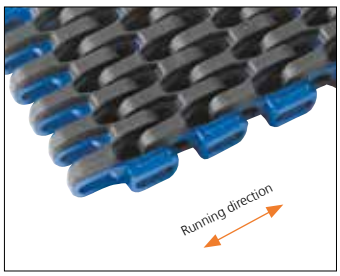
SIDE FLEXING

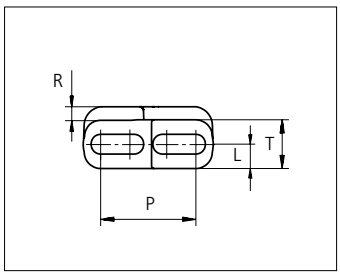
PITCH 25.4 MM/1.00 IN



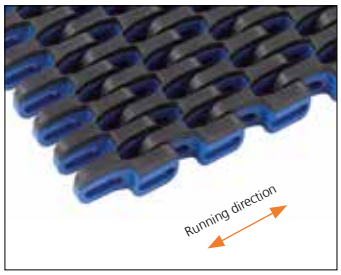



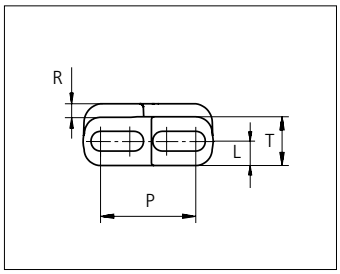

**uni Flex SNB CR Rubber Top R1.6**
Surface Opening: 47%




**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**<br>**uni Flex SNB C R2.3**<br>**uni Flex SNB L R2.3*** | POM-D **B** **W**<br>PP **B** **W**<br>PA6.6 **B** **W** | // PBT **LG** |
| **uni Flex SNB C R2.3** | POM-D **B** **W** | |
| **uni Flex SNB W**<br>**uni Flex SNB WO** | PA6.6 **B** **W** | // SS304 |
| **uni Flex SNB WT** | PA6.6 **B** **W** | // SS304<br>// PBT **LG** |
| **uni Flex SNB CR Rubber Top R1.6**<br>**uni Flex SNB CI Rubber Top R2.3**<br>**uni Flex SNB CI Rubber Top R2.3** | PP **B** **W** + 03 **K**<br>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 | | | | |
| | | Straight sections | | Curve sections | | Straight sections | | Curve sections | | Straight sections | | Curve sections | | | | | | | | | **Carry (pcs) | **Return (pcs) |
| 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 | | | |
| 153 | 6.0 | 4590 | 1032 | 600 | 135 | 2295 | 516 | 600 | 135 | 4590 | 1032 | 600 | 135 | 1.2 | 0.79 | 0.8 | 0.56 | 1.0 | 0.66 | 2 | 2 | 2 |
| 229 | 9.0 | 6870 | 1544 | 600 | 135 | 3435 | 772 | 600 | 135 | 6870 | 1544 | 600 | 135 | 1.8 | 1.19 | 1.2 | 0.83 | 1.5 | 0.98 | 2 | 2 | 2 |
| 305 | 12.0 | 9150 | 2057 | 600 | 135 | 4575 | 1028 | 600 | 135 | 9150 | 2057 | 600 | 135 | 2.3 | 1.58 | 1.6 | 1.11 | 2.0 | 1.31 | 3 | 3 | 2 |
| 381 | 15.0 | 11430 | 2569 | 600 | 135 | 5715 | 1285 | 600 | 135 | 11430 | 2569 | 600 | 135 | 2.9 | 1.97 | 2.1 | 1.38 | 2.4 | 1.64 | 3 | 3 | 2 |
| 457 | 18.0 | 13710 | 3082 | 600 | 135 | 6855 | 1541 | 600 | 135 | 13710 | 3082 | 600 | 135 | 3.5 | 2.36 | 2.5 | 1.66 | 2.9 | 1.97 | 5 | 4 | 2 |
| 534 | 21.0 | 16020 | 3601 | 600 | 135 | 8010 | 1801 | 600 | 135 | 16020 | 3601 | 600 | 135 | 4.1 | 2.76 | 2.9 | 1.94 | 3.4 | 2.30 | 5 | 4 | 2 |
| 610 | 24.0 | 18300 | 4114 | 600 | 135 | 9150 | 2057 | 600 | 135 | 18300 | 4114 | 600 | 135 | 4.7 | 3.16 | 3.3 | 2.21 | 3.9 | 2.62 | 5 | 5 | 3 |
| 686 | 27.0 | 20580 | 4626 | 600 | 135 | 10290 | 2313 | 600 | 135 | 20580 | 4626 | 600 | 135 | 5.3 | 3.55 | 3.7 | 2.49 | 4.4 | 2.95 | 5 | 5 | 3 |
| 762 | 30.0 | 22860 | 5139 | 600 | 135 | 11430 | 2569 | 600 | 135 | 22860 | 5139 | 600 | 135 | 5.9 | 3.94 | 4.1 | 2.77 | 4.9 | 3.28 | 7 | 6 | 3 |
| 838 | 33.0 | 25140 | 5651 | 600 | 135 | 12570 | 2826 | 600 | 135 | 25140 | 5651 | 600 | 135 | 6.5 | 4.34 | 4.5 | 3.04 | 5.4 | 3.60 | 7 | 6 | 3 |
| 914 | 36.0 | 27420 | 6164 | 600 | 135 | 13710 | 3082 | 600 | 135 | 27420 | 6164 | 600 | 135 | 7.0 | 4.73 | 4.9 | 3.32 | 5.8 | 3.93 | 7 | 7 | 4 |
| 990 | 39.0 | 29700 | 6677 | 600 | 135 | 14850 | 3338 | 600 | 135 | 29700 | 6677 | 600 | 135 | 7.6 | 5.12 | 5.3 | 3.59 | 6.3 | 4.26 | 7 | 7 | 4 |
| 1067 | 42.0 | 32010 | 7196 | 600 | 135 | 16005 | 3598 | 600 | 135 | 32010 | 7196 | 600 | 135 | 8.2 | 5.52 | 5.8 | 3.87 | 6.8 | 4.59 | 9 | 8 | 4 |
| 1143 | 45.0 | 34290 | 7708 | 600 | 135 | 17145 | 3854 | 600 | 135 | 34290 | 7708 | 600 | 135 | 8.8 | 5.91 | 6.2 | 4.15 | 7.3 | 4.92 | 9 | 8 | 4 |

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.
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 | | | | |
| | | Straight sections | | Curve sections | | Straight sections | | Curve sections | | Straight sections | | Curve sections | | | | | | | | | **Carry (pcs) | **Return (pcs) |
| 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 | | | | |
| | | Straight sections | | Curve sections | | Straight sections | | Curve sections | | Straight sections | | Curve sections | | | | | | | | | **Carry (pcs) | **Return (pcs) |
| 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 | | | | |
| | | Straight sections | | Curve sections | | Straight sections | | Curve sections | | Straight sections | | Curve sections | | | | | | | | | **Carry (pcs) | **Return (pcs) |
| 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 |

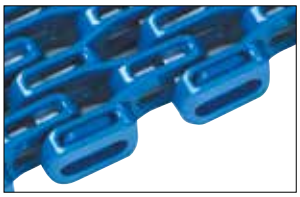
General belt tolerance is +0/-0.4% at 23°C/73°F. For exact belt width contact Customer Service. Non standard belt width on request.
Outer modules are always in PA6.6 on belts wider than 234 mm (9.21 in).
Belts up to 234 mm (9.21 in) in width is only available in PA6.6.
*Max. Load per Drive Sprocket. 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).

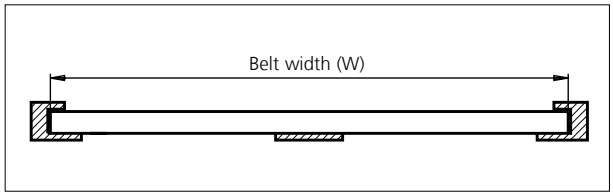
## uni Flex SNB WT R2.3 – SS pins

| 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+ Reinforcement links | | SS+ Reinforcement links | | SS+ Reinforcement links | | | | |
| | | Straight sections | | Curve sections | | Straight sections | | Curve sections | | Straight sections | | Curve sections | | | | | | | | | **Carry (pcs) | **Return (pcs) |
| 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).

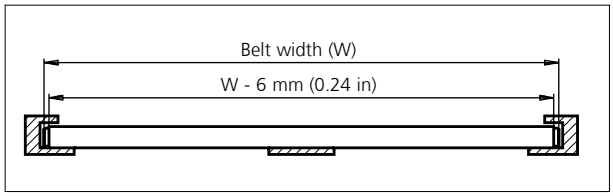
## Belt Tracking og Control Systems





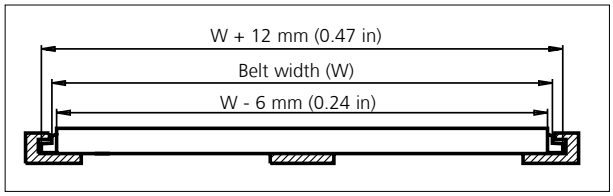

Basic belt types can be combined with the belt tracking and control systems below to enhance performance. Basic belt types can be combined with the belt tracking and control systems below to enhance performance.

**uni Flex SNB L R2.3**
Standard



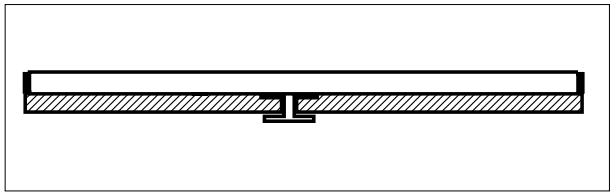

Wearpart system made of heat and wear resistant nylon to reduce the friction between belt edge and wearstrip. Only this part needs to be replaced when it has been worn out, not the entire belt.

**Wearpart**



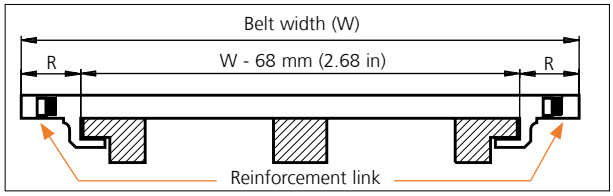

Outer edge tab system made of heat and wear resistant nylon to reduce the friction between belt edge and wearstrip. Using a slotted wear-strip, the O-Tab will track the belt and allow the conveyed products to be wider than the belt.
Height of O-Tab: 6.4 mm (0.25 in)
Height of slot: 8.0 mm (0.31 in)

**O-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).

**I-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).

**S-Tab**

| Type | Belt tracking and control combination | | | |
|---|---|---|---|---|
| | Wearpart | O-Tab | S-Tab | I-Tab |
| uni Flex SNB L R2.3 | + | + | - | + |
| uni Flex SNB CR R1.6<br>uni Flex SNB C 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).

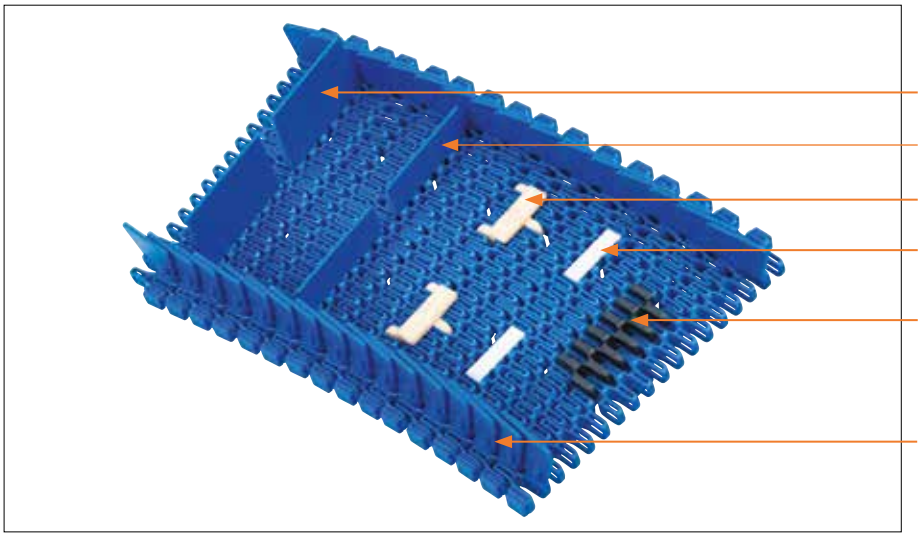
When using square shafts, please verify that the diagonal does not exceed max. diameter.

Example: Sprocket z = 10: Max. shaft diameter 82.2 - 50.8 = ø31 mm (3.24 - 2.00 = ø1.2 in).

✓ *Standard* + *Optional*

\- *Unavailable*

## Accessories




## 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 |

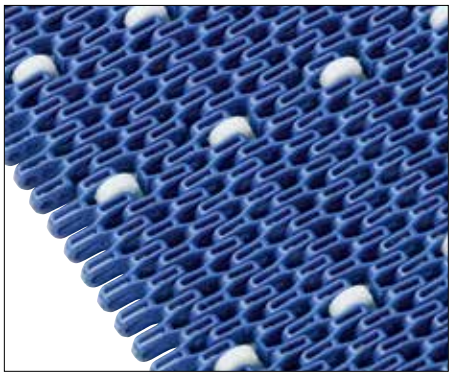
## Accessories

### Minimum Indents (I)

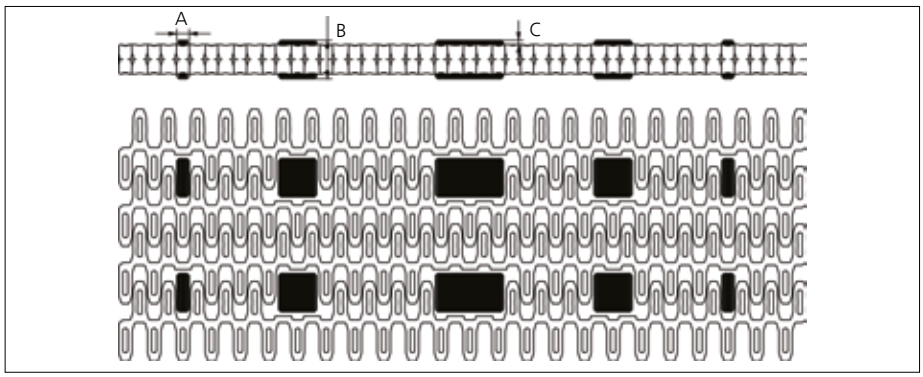
| Type | Rubber Top | | | | Side Guard | | | | Click on Flights without Side Guard | | | | Click on Flights with Side Guard | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Left | | Right | | Left | | Right | | Left | | Right | | Left | | Right | |
| | mm | in | mm | 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)



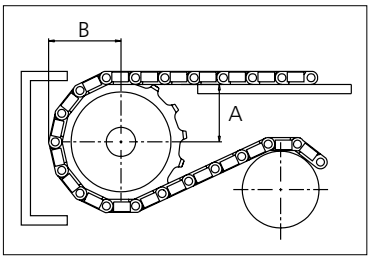

Made-To-Oder Materials: POM-D, PP, PA6.6 and Roller Material POM-D.
Non standard Roller material and color: See uni Material and Color verview.

| 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 | Bore size | | | | | | | | | | | | | Overall diameter | | Pitch diameter | | Hub diameter | | Dimension A | | Dimension B | | Single row/Two way | Double row/Two way | LG PA6 Molded | N PA6 Machined |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 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 | 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 = 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 Flex ASB.
For more detailed sprocket information, contact Customer Service.

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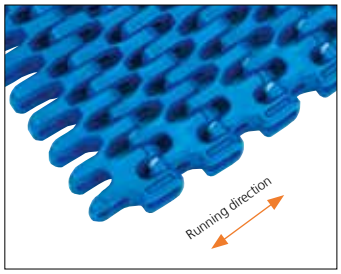
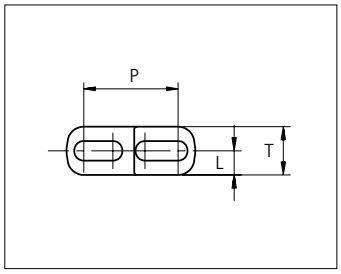
# Plastic Modular Belt

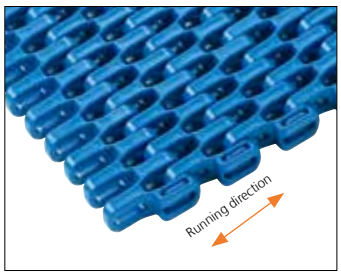
## Series **uni Flex SNB**

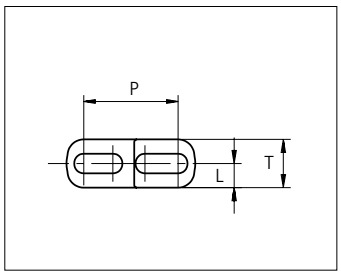


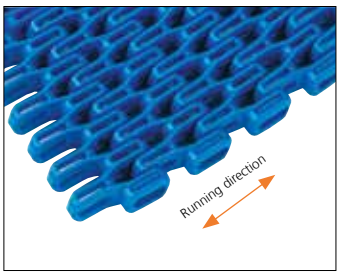

Sideflexing belt
Nominal pitch: 25.4 mm (1.00 in)
Surface type: Flat
Surface opening: 47%/55%
Backflex radius: 25.0 mm (0.98 in)
Pin diameter: 5.0 mm (0.20 in)
Min. inside radius: R1.6 x belt width, R2.3 x belt width

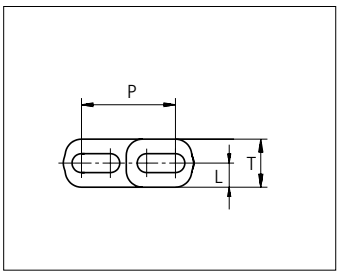
**uni Flex SNB CR R1.6**
Surface Opening: 47%



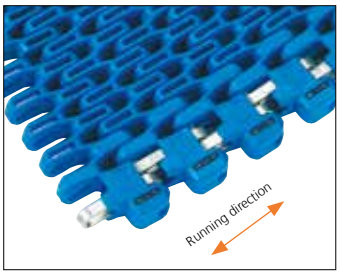



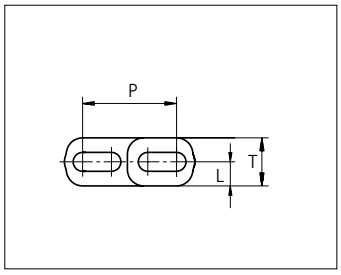

**uni Flex SNB C R2.3**
Surface Opening: 47%



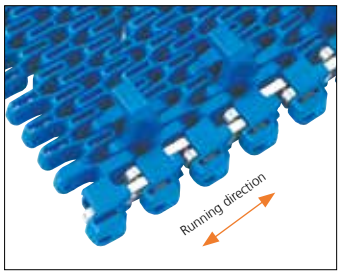



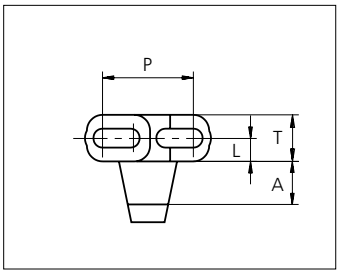

**uni Flex SNB L R2.3**
Surface Opening: 55%



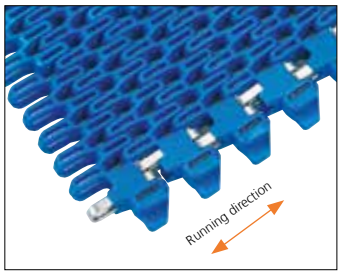



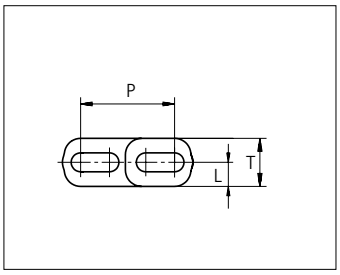

**uni Flex SNB W R2.3**
Surface Opening: 55%




**uni Flex SNB WT R2.3**
Surface Opening: 55%



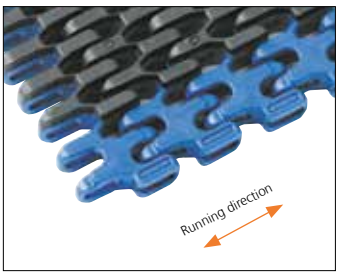

**uni Flex SNB WO R2.3**
Surface Opening: 55%

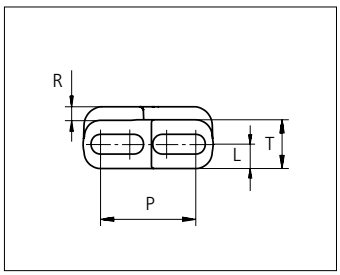
| | mm | in | | mm | in |
|---|---|---|---|---|---|
| **P (Nominal)** | 25.4 | 1.00 | **L** | 6.5 | 0.26 |
| **A** | 12.0 | 0.47 | **T** | 13.0 | 0.51 |

STANDARD

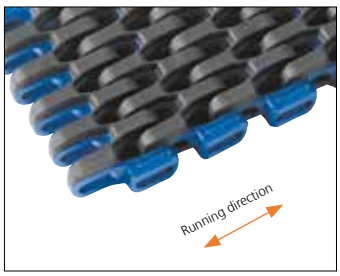
SIDE FLEXING

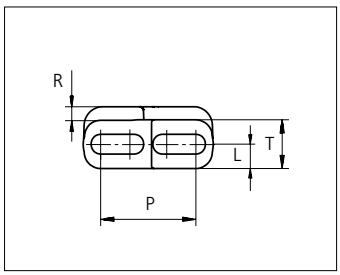
PITCH 25.4 MM/1.00 IN



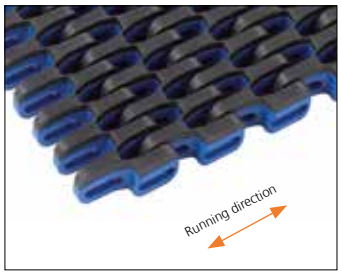



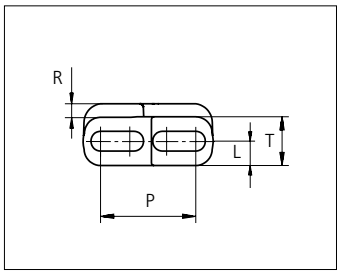

**uni Flex SNB CR Rubber Top R1.6**
Surface Opening: 47%




**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**<br>**uni Flex SNB C R2.3**<br>**uni Flex SNB L R2.3*** | POM-D **B** **W**<br>PP **B** **W**<br>PA6.6 **B** **W** | // PBT **LG** |
| **uni Flex SNB C R2.3** | POM-D **B** **W** | |
| **uni Flex SNB W**<br>**uni Flex SNB WO** | PA6.6 **B** **W** | // SS304 |
| **uni Flex SNB WT** | PA6.6 **B** **W** | // SS304<br>// PBT **LG** |
| **uni Flex SNB CR Rubber Top R1.6**<br>**uni Flex SNB CI Rubber Top R2.3**<br>**uni Flex SNB CI Rubber Top R2.3** | PP **B** **W** + 03 **K**<br>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 | | | | |
| | | Straight sections | | Curve sections | | Straight sections | | Curve sections | | Straight sections | | Curve sections | | | | | | | | | **Carry (pcs) | **Return (pcs) |
| 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 | | | |
| 153 | 6.0 | 4590 | 1032 | 600 | 135 | 2295 | 516 | 600 | 135 | 4590 | 1032 | 600 | 135 | 1.2 | 0.79 | 0.8 | 0.56 | 1.0 | 0.66 | 2 | 2 | 2 |
| 229 | 9.0 | 6870 | 1544 | 600 | 135 | 3435 | 772 | 600 | 135 | 6870 | 1544 | 600 | 135 | 1.8 | 1.19 | 1.2 | 0.83 | 1.5 | 0.98 | 2 | 2 | 2 |
| 305 | 12.0 | 9150 | 2057 | 600 | 135 | 4575 | 1028 | 600 | 135 | 9150 | 2057 | 600 | 135 | 2.3 | 1.58 | 1.6 | 1.11 | 2.0 | 1.31 | 3 | 3 | 2 |
| 381 | 15.0 | 11430 | 2569 | 600 | 135 | 5715 | 1285 | 600 | 135 | 11430 | 2569 | 600 | 135 | 2.9 | 1.97 | 2.1 | 1.38 | 2.4 | 1.64 | 3 | 3 | 2 |
| 457 | 18.0 | 13710 | 3082 | 600 | 135 | 6855 | 1541 | 600 | 135 | 13710 | 3082 | 600 | 135 | 3.5 | 2.36 | 2.5 | 1.66 | 2.9 | 1.97 | 5 | 4 | 2 |
| 534 | 21.0 | 16020 | 3601 | 600 | 135 | 8010 | 1801 | 600 | 135 | 16020 | 3601 | 600 | 135 | 4.1 | 2.76 | 2.9 | 1.94 | 3.4 | 2.30 | 5 | 4 | 2 |
| 610 | 24.0 | 18300 | 4114 | 600 | 135 | 9150 | 2057 | 600 | 135 | 18300 | 4114 | 600 | 135 | 4.7 | 3.16 | 3.3 | 2.21 | 3.9 | 2.62 | 5 | 5 | 3 |
| 686 | 27.0 | 20580 | 4626 | 600 | 135 | 10290 | 2313 | 600 | 135 | 20580 | 4626 | 600 | 135 | 5.3 | 3.55 | 3.7 | 2.49 | 4.4 | 2.95 | 5 | 5 | 3 |
| 762 | 30.0 | 22860 | 5139 | 600 | 135 | 11430 | 2569 | 600 | 135 | 22860 | 5139 | 600 | 135 | 5.9 | 3.94 | 4.1 | 2.77 | 4.9 | 3.28 | 7 | 6 | 3 |
| 838 | 33.0 | 25140 | 5651 | 600 | 135 | 12570 | 2826 | 600 | 135 | 25140 | 5651 | 600 | 135 | 6.5 | 4.34 | 4.5 | 3.04 | 5.4 | 3.60 | 7 | 6 | 3 |
| 914 | 36.0 | 27420 | 6164 | 600 | 135 | 13710 | 3082 | 600 | 135 | 27420 | 6164 | 600 | 135 | 7.0 | 4.73 | 4.9 | 3.32 | 5.8 | 3.93 | 7 | 7 | 4 |
| 990 | 39.0 | 29700 | 6677 | 600 | 135 | 14850 | 3338 | 600 | 135 | 29700 | 6677 | 600 | 135 | 7.6 | 5.12 | 5.3 | 3.59 | 6.3 | 4.26 | 7 | 7 | 4 |
| 1067 | 42.0 | 32010 | 7196 | 600 | 135 | 16005 | 3598 | 600 | 135 | 32010 | 7196 | 600 | 135 | 8.2 | 5.52 | 5.8 | 3.87 | 6.8 | 4.59 | 9 | 8 | 4 |
| 1143 | 45.0 | 34290 | 7708 | 600 | 135 | 17145 | 3854 | 600 | 135 | 34290 | 7708 | 600 | 135 | 8.8 | 5.91 | 6.2 | 4.15 | 7.3 | 4.92 | 9 | 8 | 4 |

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.
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 | | | | |
| | | Straight sections | | Curve sections | | Straight sections | | Curve sections | | Straight sections | | Curve sections | | | | | | | | | **Carry (pcs) | **Return (pcs) |
| 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 | | | | |
| | | Straight sections | | Curve sections | | Straight sections | | Curve sections | | Straight sections | | Curve sections | | | | | | | | | **Carry (pcs) | **Return (pcs) |
| 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 | | | | |
| | | Straight sections | | Curve sections | | Straight sections | | Curve sections | | Straight sections | | Curve sections | | | | | | | | | **Carry (pcs) | **Return (pcs) |
| 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 |

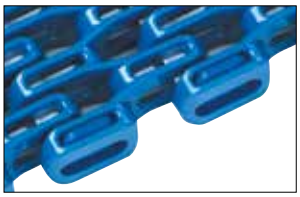
General belt tolerance is +0/-0.4% at 23°C/73°F. For exact belt width contact Customer Service. Non standard belt width on request.
Outer modules are always in PA6.6 on belts wider than 234 mm (9.21 in).
Belts up to 234 mm (9.21 in) in width is only available in PA6.6.
*Max. Load per Drive Sprocket. 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).

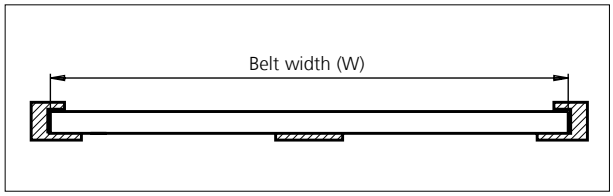
## uni Flex SNB WT R2.3 – SS pins

| 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+ Reinforcement links | | SS+ Reinforcement links | | SS+ Reinforcement links | | | | |
| | | Straight sections | | Curve sections | | Straight sections | | Curve sections | | Straight sections | | Curve sections | | | | | | | | | **Carry (pcs) | **Return (pcs) |
| 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).

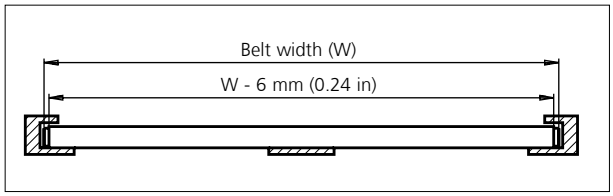
## Belt Tracking og Control Systems





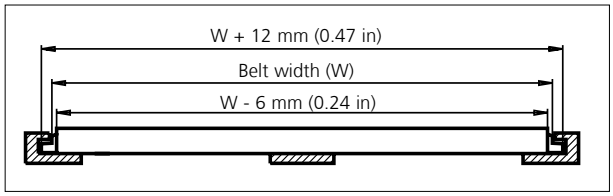

Basic belt types can be combined with the belt tracking and control systems below to enhance performance. Basic belt types can be combined with the belt tracking and control systems below to enhance performance.

**uni Flex SNB L R2.3**
Standard



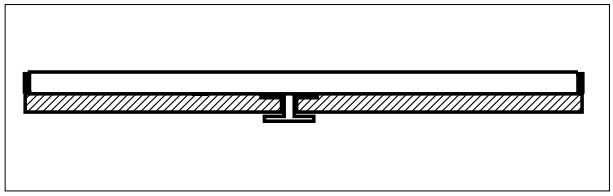

Wearpart system made of heat and wear resistant nylon to reduce the friction between belt edge and wearstrip. Only this part needs to be replaced when it has been worn out, not the entire belt.

**Wearpart**



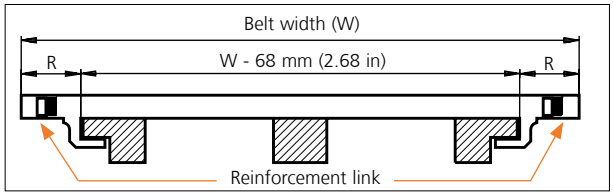

Outer edge tab system made of heat and wear resistant nylon to reduce the friction between belt edge and wearstrip. Using a slotted wear-strip, the O-Tab will track the belt and allow the conveyed products to be wider than the belt.
Height of O-Tab: 6.4 mm (0.25 in)
Height of slot: 8.0 mm (0.31 in)

**O-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).

**I-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).

**S-Tab**

| Type | Belt tracking and control combination | | | |
|---|---|---|---|---|
| | Wearpart | O-Tab | S-Tab | I-Tab |
| uni Flex SNB L R2.3 | + | + | - | + |
| uni Flex SNB CR R1.6<br>uni Flex SNB C 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).

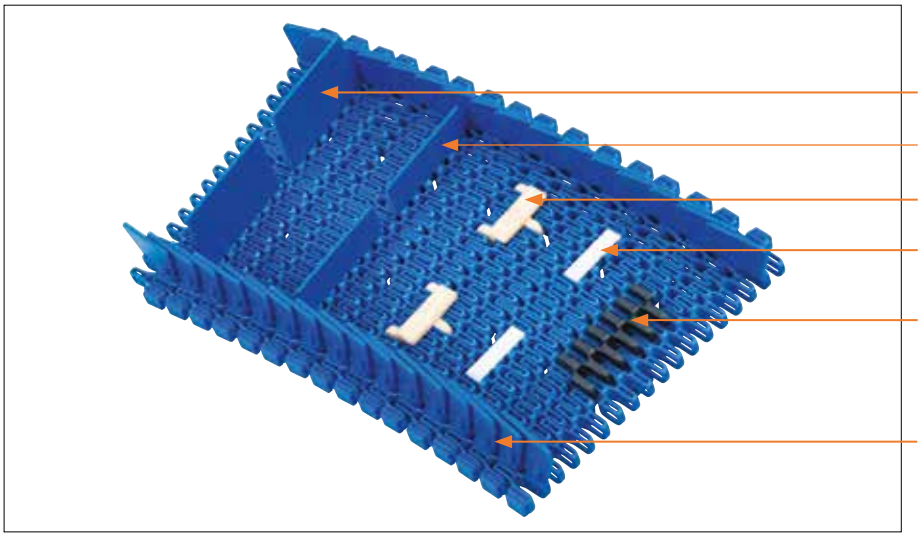
When using square shafts, please verify that the diagonal does not exceed max. diameter.

Example: Sprocket z = 10: Max. shaft diameter 82.2 - 50.8 = ø31 mm (3.24 - 2.00 = ø1.2 in).

✓ *Standard* + *Optional*

\- *Unavailable*

## Accessories




## 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 |

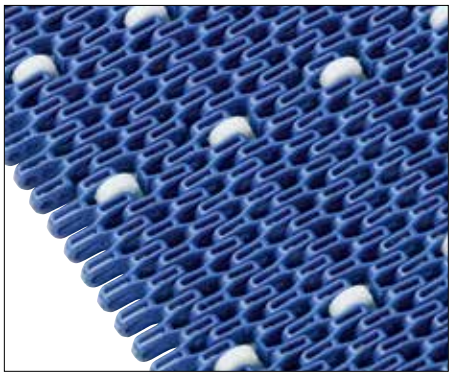
## Accessories

### Minimum Indents (I)

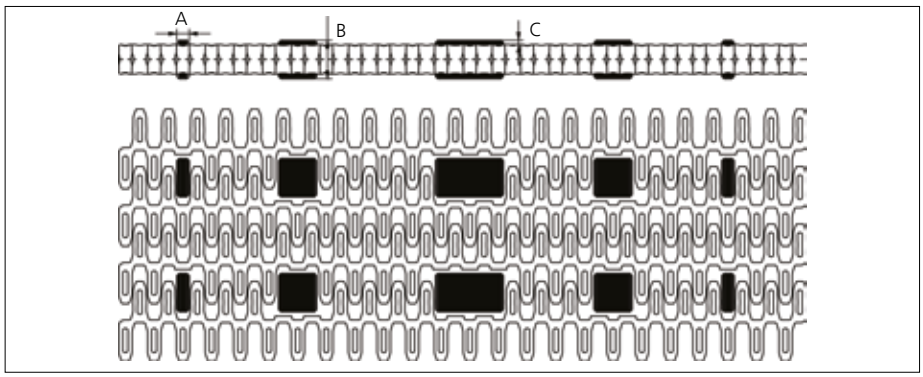
| Type | Rubber Top | | | | Side Guard | | | | Click on Flights without Side Guard | | | | Click on Flights with Side Guard | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Left | | Right | | Left | | Right | | Left | | Right | | Left | | Right | |
| | mm | in | mm | 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)



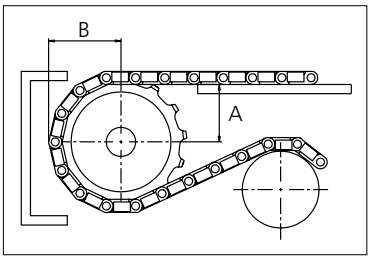

Made-To-Oder Materials: POM-D, PP, PA6.6 and Roller Material POM-D.
Non standard Roller material and color: See uni Material and Color verview.

| 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 | Bore size | | | | | | | | | | | | | Overall diameter | | Pitch diameter | | Hub diameter | | Dimension A | | Dimension B | | Single row/Two way | Double row/Two way | PA6 LG Molded | PA6 N Machined |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 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 | 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 = 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 Flex ASB.
For more detailed sprocket information, contact Customer Service.

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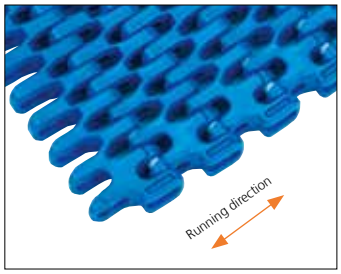
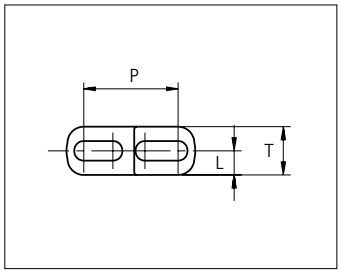
admin@unichains.com
www.unichains.com

# Plastic Modular Belt

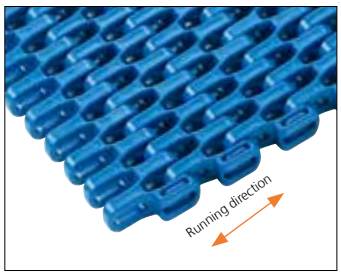
## Series **uni Flex SNB**

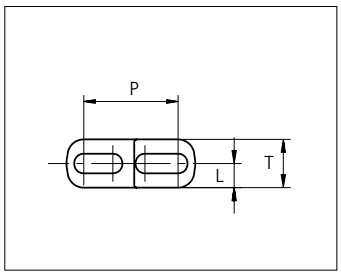


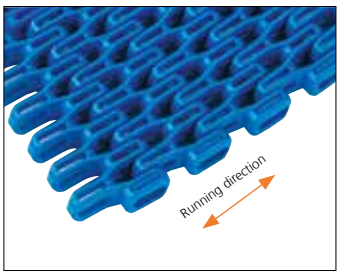

Sideflexing belt
Nominal pitch: 25.4 mm (1.00 in)
Surface type: Flat
Surface opening: 47%/55%
Backflex radius: 25.0 mm (0.98 in)
Pin diameter: 5.0 mm (0.20 in)
Min. inside radius: R1.6 x belt width, R2.3 x belt width

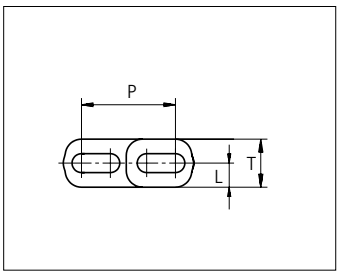
**uni Flex SNB CR R1.6**
Surface Opening: 47%



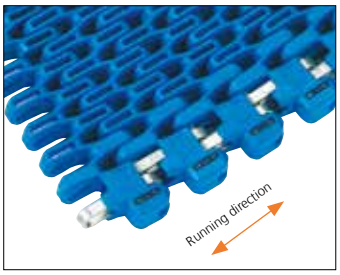



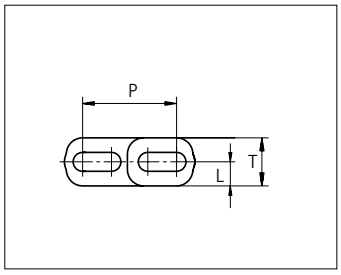

**uni Flex SNB C R2.3**
Surface Opening: 47%



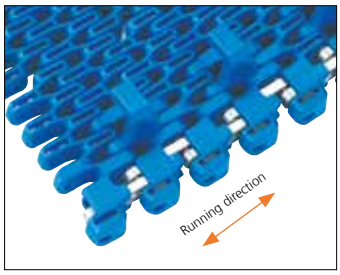



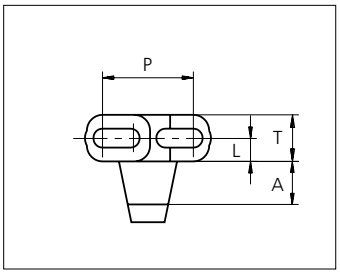

**uni Flex SNB L R2.3**
Surface Opening: 55%



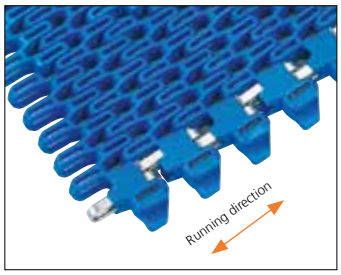



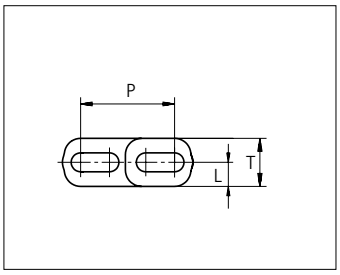

**uni Flex SNB W R2.3**
Surface Opening: 55%




**uni Flex SNB WT R2.3**
Surface Opening: 55%



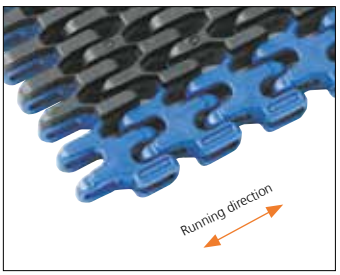

**uni Flex SNB WO R2.3**
Surface Opening: 55%

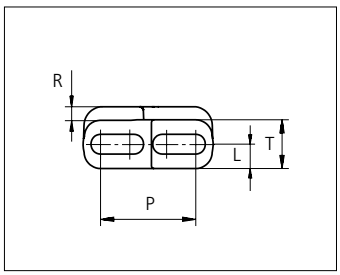
| | mm | in | | mm | in |
|---|---|---|---|---|---|
| **P (Nominal)** | 25.4 | 1.00 | **L** | 6.5 | 0.26 |
| **A** | 12.0 | 0.47 | **T** | 13.0 | 0.51 |

STANDARD

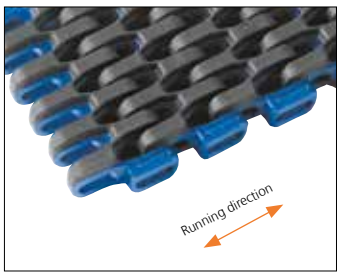
SIDE FLEXING

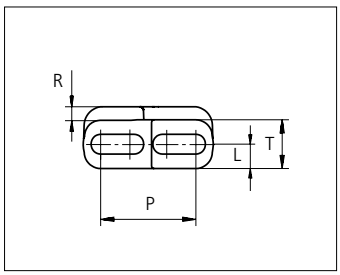
PITCH 25.4 MM/1.00 IN



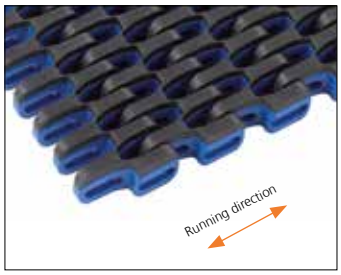



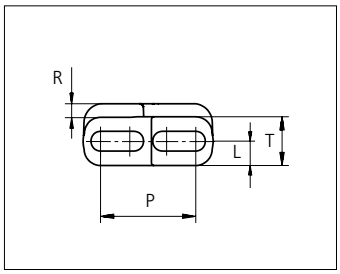

**uni Flex SNB CR Rubber Top R1.6**
Surface Opening: 47%




**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**<br>**uni Flex SNB C R2.3**<br>**uni Flex SNB L R2.3*** | POM-D **B** **W**<br>PP **B** **W**<br>PA6.6 **B** **W** | // PBT **LG** |
| **uni Flex SNB C R2.3** | POM-D **B** **W** | |
| **uni Flex SNB W**<br>**uni Flex SNB WO** | PA6.6 **B** **W** | // SS304 |
| **uni Flex SNB WT** | PA6.6 **B** **W** | // SS304<br>// PBT **LG** |
| **uni Flex SNB CR Rubber Top R1.6**<br>**uni Flex SNB CI Rubber Top R2.3**<br>**uni Flex SNB CI Rubber Top R2.3** | PP **B** **W** + 03 **K**<br>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 | | | | |
| | | Straight sections | | Curve sections | | Straight sections | | Curve sections | | Straight sections | | Curve sections | | | | | | | | | **Carry (pcs) | **Return (pcs) |
| 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 | | | |
| 153 | 6.0 | 4590 | 1032 | 600 | 135 | 2295 | 516 | 600 | 135 | 4590 | 1032 | 600 | 135 | 1.2 | 0.79 | 0.8 | 0.56 | 1.0 | 0.66 | 2 | 2 | 2 |
| 229 | 9.0 | 6870 | 1544 | 600 | 135 | 3435 | 772 | 600 | 135 | 6870 | 1544 | 600 | 135 | 1.8 | 1.19 | 1.2 | 0.83 | 1.5 | 0.98 | 2 | 2 | 2 |
| 305 | 12.0 | 9150 | 2057 | 600 | 135 | 4575 | 1028 | 600 | 135 | 9150 | 2057 | 600 | 135 | 2.3 | 1.58 | 1.6 | 1.11 | 2.0 | 1.31 | 3 | 3 | 2 |
| 381 | 15.0 | 11430 | 2569 | 600 | 135 | 5715 | 1285 | 600 | 135 | 11430 | 2569 | 600 | 135 | 2.9 | 1.97 | 2.1 | 1.38 | 2.4 | 1.64 | 3 | 3 | 2 |
| 457 | 18.0 | 13710 | 3082 | 600 | 135 | 6855 | 1541 | 600 | 135 | 13710 | 3082 | 600 | 135 | 3.5 | 2.36 | 2.5 | 1.66 | 2.9 | 1.97 | 5 | 4 | 2 |
| 534 | 21.0 | 16020 | 3601 | 600 | 135 | 8010 | 1801 | 600 | 135 | 16020 | 3601 | 600 | 135 | 4.1 | 2.76 | 2.9 | 1.94 | 3.4 | 2.30 | 5 | 4 | 2 |
| 610 | 24.0 | 18300 | 4114 | 600 | 135 | 9150 | 2057 | 600 | 135 | 18300 | 4114 | 600 | 135 | 4.7 | 3.16 | 3.3 | 2.21 | 3.9 | 2.62 | 5 | 5 | 3 |
| 686 | 27.0 | 20580 | 4626 | 600 | 135 | 10290 | 2313 | 600 | 135 | 20580 | 4626 | 600 | 135 | 5.3 | 3.55 | 3.7 | 2.49 | 4.4 | 2.95 | 5 | 5 | 3 |
| 762 | 30.0 | 22860 | 5139 | 600 | 135 | 11430 | 2569 | 600 | 135 | 22860 | 5139 | 600 | 135 | 5.9 | 3.94 | 4.1 | 2.77 | 4.9 | 3.28 | 7 | 6 | 3 |
| 838 | 33.0 | 25140 | 5651 | 600 | 135 | 12570 | 2826 | 600 | 135 | 25140 | 5651 | 600 | 135 | 6.5 | 4.34 | 4.5 | 3.04 | 5.4 | 3.60 | 7 | 6 | 3 |
| 914 | 36.0 | 27420 | 6164 | 600 | 135 | 13710 | 3082 | 600 | 135 | 27420 | 6164 | 600 | 135 | 7.0 | 4.73 | 4.9 | 3.32 | 5.8 | 3.93 | 7 | 7 | 4 |
| 990 | 39.0 | 29700 | 6677 | 600 | 135 | 14850 | 3338 | 600 | 135 | 29700 | 6677 | 600 | 135 | 7.6 | 5.12 | 5.3 | 3.59 | 6.3 | 4.26 | 7 | 7 | 4 |
| 1067 | 42.0 | 32010 | 7196 | 600 | 135 | 16005 | 3598 | 600 | 135 | 32010 | 7196 | 600 | 135 | 8.2 | 5.52 | 5.8 | 3.87 | 6.8 | 4.59 | 9 | 8 | 4 |
| 1143 | 45.0 | 34290 | 7708 | 600 | 135 | 17145 | 3854 | 600 | 135 | 34290 | 7708 | 600 | 135 | 8.8 | 5.91 | 6.2 | 4.15 | 7.3 | 4.92 | 9 | 8 | 4 |

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.
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 | | | | |
| | | Straight sections | | Curve sections | | Straight sections | | Curve sections | | Straight sections | | Curve sections | | | | | | | | | **Carry (pcs) | **Return (pcs) |
| 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 | | | | |
| | | Straight sections | | Curve sections | | Straight sections | | Curve sections | | Straight sections | | Curve sections | | | | | | | | | **Carry (pcs) | **Return (pcs) |
| 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 | | | | |
| | | Straight sections | | Curve sections | | Straight sections | | Curve sections | | Straight sections | | Curve sections | | | | | | | | | **Carry (pcs) | **Return (pcs) |
| 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 |

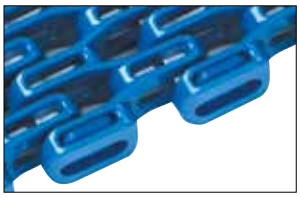
General belt tolerance is +0/-0.4% at 23°C/73°F. For exact belt width contact Customer Service. Non standard belt width on request.
Outer modules are always in PA6.6 on belts wider than 234 mm (9.21 in).
Belts up to 234 mm (9.21 in) in width is only available in PA6.6.
*Max. Load per Drive Sprocket. 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).

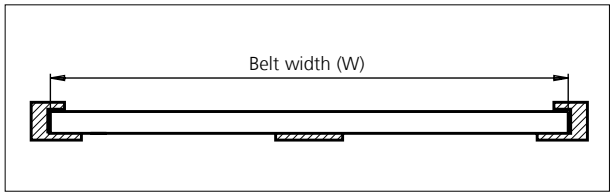
## uni Flex SNB WT R2.3 – SS pins

| 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+ Reinforcement links | | SS+ Reinforcement links | | SS+ Reinforcement links | | | | |
| | | Straight sections | | Curve sections | | Straight sections | | Curve sections | | Straight sections | | Curve sections | | | | | | | | | **Carry (pcs) | **Return (pcs) |
| 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).

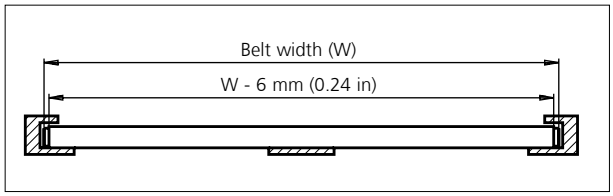
## Belt Tracking og Control Systems





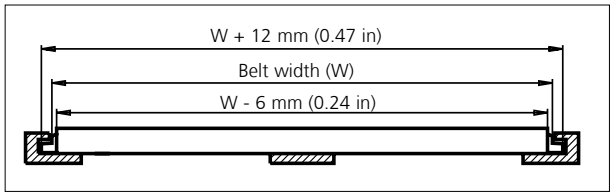

Basic belt types can be combined with the belt tracking and control systems below to enhance performance. Basic belt types can be combined with the belt tracking and control systems below to enhance performance.

**uni Flex SNB L R2.3**
Standard



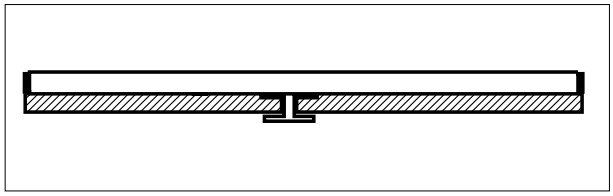

Wearpart system made of heat and wear resistant nylon to reduce the friction between belt edge and wearstrip. Only this part needs to be replaced when it has been worn out, not the entire belt.

**Wearpart**



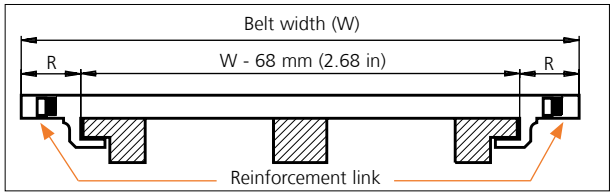

Outer edge tab system made of heat and wear resistant nylon to reduce the friction between belt edge and wearstrip. Using a slotted wear-strip, the O-Tab will track the belt and allow the conveyed products to be wider than the belt.
Height of O-Tab: 6.4 mm (0.25 in)
Height of slot: 8.0 mm (0.31 in)

**O-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).

**I-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).

**S-Tab**

| Type | Belt tracking and control combination | | | |
|---|---|---|---|---|
| | Wearpart | O-Tab | S-Tab | I-Tab |
| uni Flex SNB L R2.3 | + | + | - | + |
| uni Flex SNB CR R1.6<br>uni Flex SNB C 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).

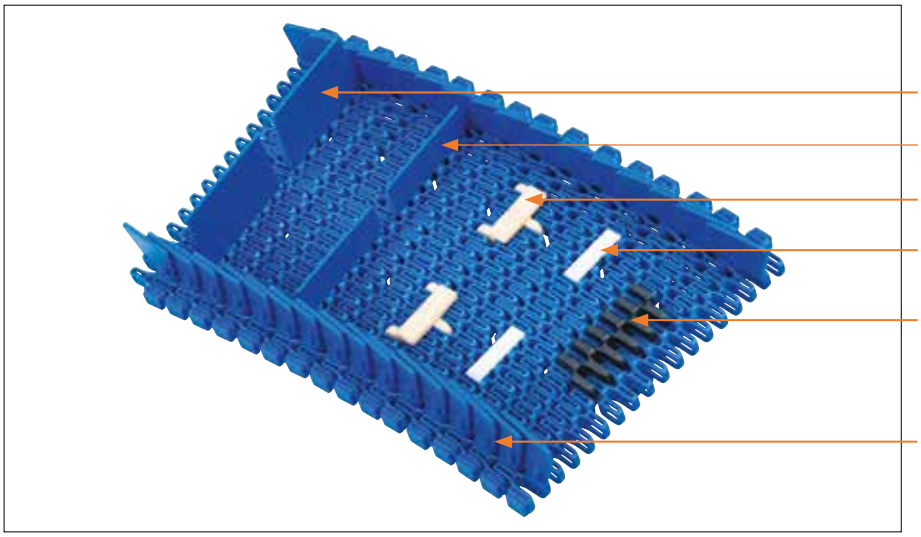
When using square shafts, please verify that the diagonal does not exceed max. diameter.

Example: Sprocket z = 10: Max. shaft diameter 82.2 - 50.8 = ø31 mm (3.24 - 2.00 = ø1.2 in).

✓ *Standard* + *Optional*

- *Unavailable*

## Accessories




## 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 |

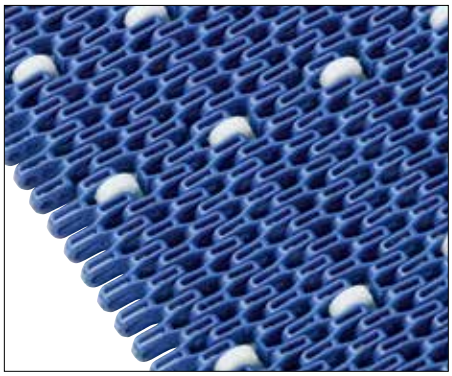
## Accessories

### Minimum Indents (I)

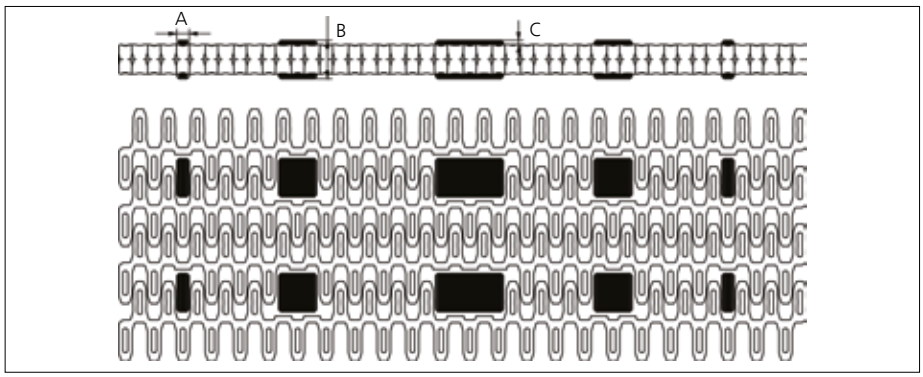
| Type | Rubber Top | | | | Side Guard | | | | Click on Flights without Side Guard | | | | Click on Flights with Side Guard | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Left | | Right | | Left | | Right | | Left | | Right | | Left | | Right | |
| | mm | in | mm | 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)



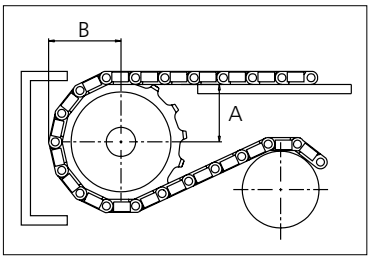

Made-To-Oder Materials: POM-D, PP, PA6.6 and Roller Material POM-D.
Non standard Roller material and color: See uni Material and Color verview.

| 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 | 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 | 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 = 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 Flex ASB.
For more detailed sprocket information, contact Customer Service.

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admin@unichains.com
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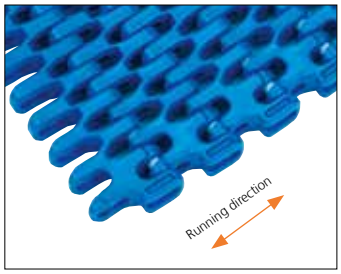
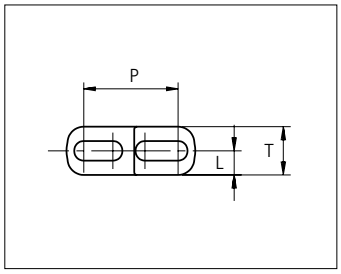
# Plastic Modular Belt

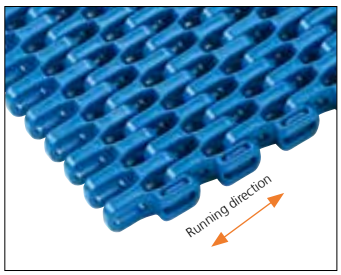
## Series **uni Flex SNB**

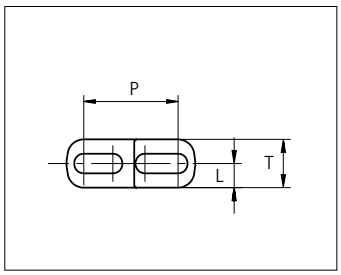


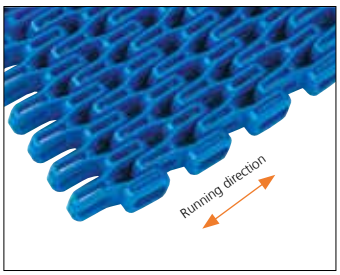

Sideflexing belt
Nominal pitch: 25.4 mm (1.00 in)
Surface type: Flat
Surface opening: 47%/55%
Backflex radius: 25.0 mm (0.98 in)
Pin diameter: 5.0 mm (0.20 in)
Min. inside radius: R1.6 x belt width, R2.3 x belt width

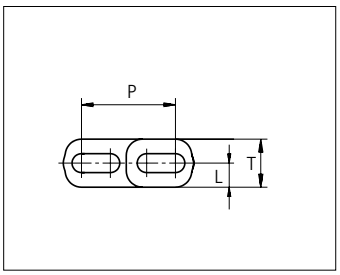
**uni Flex SNB CR R1.6**
Surface Opening: 47%



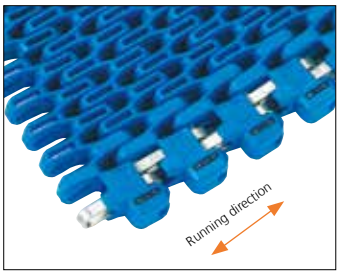



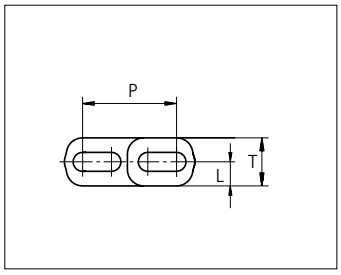

**uni Flex SNB C R2.3**
Surface Opening: 47%



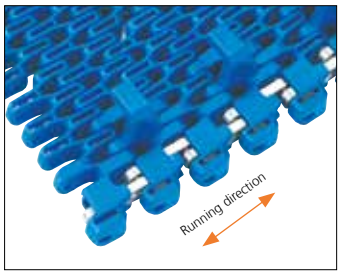



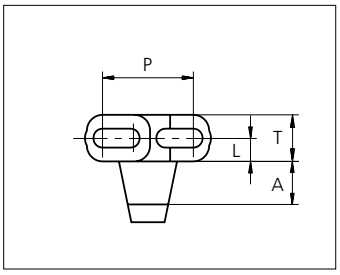

**uni Flex SNB L R2.3**
Surface Opening: 55%



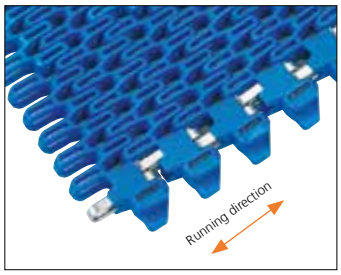



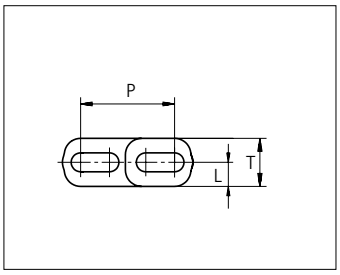

**uni Flex SNB W R2.3**
Surface Opening: 55%




**uni Flex SNB WT R2.3**
Surface Opening: 55%



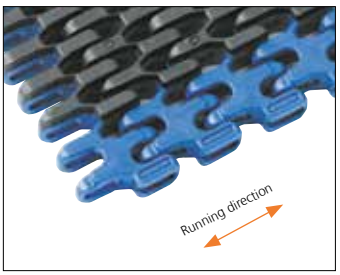

**uni Flex SNB WO R2.3**
Surface Opening: 55%

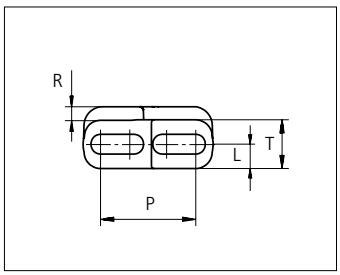
| | mm | in | | mm | in |
|---|---|---|---|---|---|
| **P (Nominal)** | 25.4 | 1.00 | **L** | 6.5 | 0.26 |
| **A** | 12.0 | 0.47 | **T** | 13.0 | 0.51 |

STANDARD

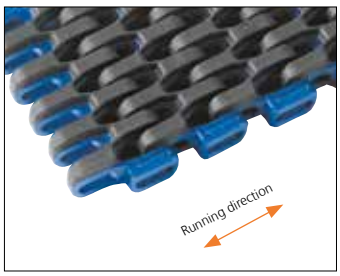
SIDE FLEXING

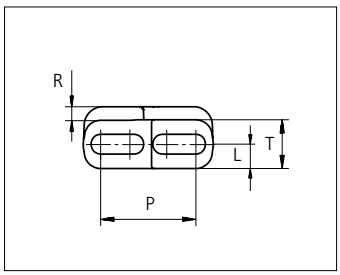
PITCH 25.4 MM/1.00 IN



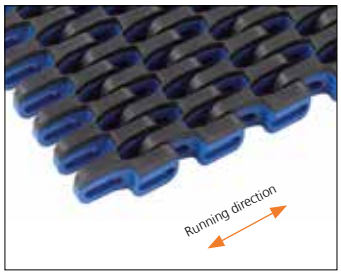



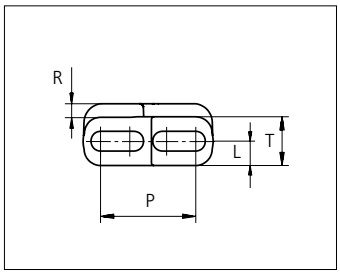

**uni Flex SNB CR Rubber Top R1.6**
Surface Opening: 47%




**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**<br>**uni Flex SNB C R2.3**<br>**uni Flex SNB L R2.3*** | POM-D **B** **W**<br>PP **B** **W**<br>PA6.6 **B** **W** | PBT **LG** |
| **uni Flex SNB C R2.3** | POM-D **B** **W** | |
| **uni Flex SNB W**<br>**uni Flex SNB WO** | PA6.6 **B** **W** | SS304 |
| **uni Flex SNB WT** | PA6.6 **B** **W** | SS304<br>PBT **LG** |
| **uni Flex SNB CR Rubber Top R1.6**<br>**uni Flex SNB CI Rubber Top R2.3**<br>**uni Flex SNB CI Rubber Top R2.3** | PP **B** **W** + 03 **K**<br>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 | | | | |
| | | Straight sections | | Curve sections | | Straight sections | | Curve sections | | Straight sections | | Curve sections | | | | | | | | | **Carry (pcs) | **Return (pcs) |
| 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 | | | |
| 153 | 6.0 | 4590 | 1032 | 600 | 135 | 2295 | 516 | 600 | 135 | 4590 | 1032 | 600 | 135 | 1.2 | 0.79 | 0.8 | 0.56 | 1.0 | 0.66 | 2 | 2 | 2 |
| 229 | 9.0 | 6870 | 1544 | 600 | 135 | 3435 | 772 | 600 | 135 | 6870 | 1544 | 600 | 135 | 1.8 | 1.19 | 1.2 | 0.83 | 1.5 | 0.98 | 2 | 2 | 2 |
| 305 | 12.0 | 9150 | 2057 | 600 | 135 | 4575 | 1028 | 600 | 135 | 9150 | 2057 | 600 | 135 | 2.3 | 1.58 | 1.6 | 1.11 | 2.0 | 1.31 | 3 | 3 | 2 |
| 381 | 15.0 | 11430 | 2569 | 600 | 135 | 5715 | 1285 | 600 | 135 | 11430 | 2569 | 600 | 135 | 2.9 | 1.97 | 2.1 | 1.38 | 2.4 | 1.64 | 3 | 3 | 2 |
| 457 | 18.0 | 13710 | 3082 | 600 | 135 | 6855 | 1541 | 600 | 135 | 13710 | 3082 | 600 | 135 | 3.5 | 2.36 | 2.5 | 1.66 | 2.9 | 1.97 | 5 | 4 | 2 |
| 534 | 21.0 | 16020 | 3601 | 600 | 135 | 8010 | 1801 | 600 | 135 | 16020 | 3601 | 600 | 135 | 4.1 | 2.76 | 2.9 | 1.94 | 3.4 | 2.30 | 5 | 4 | 2 |
| 610 | 24.0 | 18300 | 4114 | 600 | 135 | 9150 | 2057 | 600 | 135 | 18300 | 4114 | 600 | 135 | 4.7 | 3.16 | 3.3 | 2.21 | 3.9 | 2.62 | 5 | 5 | 3 |
| 686 | 27.0 | 20580 | 4626 | 600 | 135 | 10290 | 2313 | 600 | 135 | 20580 | 4626 | 600 | 135 | 5.3 | 3.55 | 3.7 | 2.49 | 4.4 | 2.95 | 5 | 5 | 3 |
| 762 | 30.0 | 22860 | 5139 | 600 | 135 | 11430 | 2569 | 600 | 135 | 22860 | 5139 | 600 | 135 | 5.9 | 3.94 | 4.1 | 2.77 | 4.9 | 3.28 | 7 | 6 | 3 |
| 838 | 33.0 | 25140 | 5651 | 600 | 135 | 12570 | 2826 | 600 | 135 | 25140 | 5651 | 600 | 135 | 6.5 | 4.34 | 4.5 | 3.04 | 5.4 | 3.60 | 7 | 6 | 3 |
| 914 | 36.0 | 27420 | 6164 | 600 | 135 | 13710 | 3082 | 600 | 135 | 27420 | 6164 | 600 | 135 | 7.0 | 4.73 | 4.9 | 3.32 | 5.8 | 3.93 | 7 | 7 | 4 |
| 990 | 39.0 | 29700 | 6677 | 600 | 135 | 14850 | 3338 | 600 | 135 | 29700 | 6677 | 600 | 135 | 7.6 | 5.12 | 5.3 | 3.59 | 6.3 | 4.26 | 7 | 7 | 4 |
| 1067 | 42.0 | 32010 | 7196 | 600 | 135 | 16005 | 3598 | 600 | 135 | 32010 | 7196 | 600 | 135 | 8.2 | 5.52 | 5.8 | 3.87 | 6.8 | 4.59 | 9 | 8 | 4 |
| 1143 | 45.0 | 34290 | 7708 | 600 | 135 | 17145 | 3854 | 600 | 135 | 34290 | 7708 | 600 | 135 | 8.8 | 5.91 | 6.2 | 4.15 | 7.3 | 4.92 | 9 | 8 | 4 |

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.
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 | | | | |
| | | Straight sections | | Curve sections | | Straight sections | | Curve sections | | Straight sections | | Curve sections | | | | | | | | | **Carry (pcs) | **Return (pcs) |
| 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 | | | | | | | | | | |
| 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 | | | | | | | | | | |
| 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 |

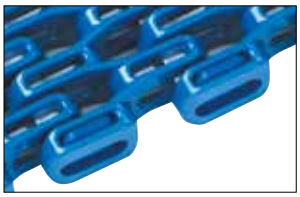
General belt tolerance is +0/-0.4% at 23°C/73°F. For exact belt width contact Customer Service. Non standard belt width on request.
Outer modules are always in PA6.6 on belts wider than 234 mm (9.21 in).
Belts up to 234 mm (9.21 in) in width is only available in PA6.6.
*Max. Load per Drive Sprocket. 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).

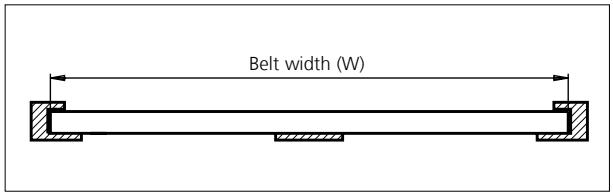
## uni Flex SNB WT R2.3 – SS pins

| 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+ Reinforcement links | | SS+ Reinforcement links | | SS+ Reinforcement links | | | | |
| | | Straight sections | | Curve sections | | Straight sections | | Curve sections | | Straight sections | | Curve sections | | | | | | | | | **Carry (pcs) | **Return (pcs) |
| 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).

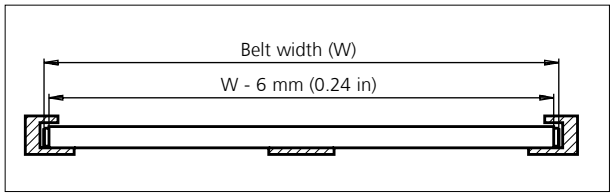
## Belt Tracking og Control Systems





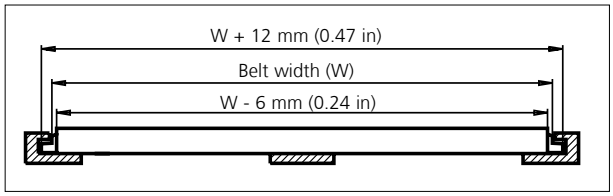

Basic belt types can be combined with the belt tracking and control systems below to enhance performance. Basic belt types can be combined with the belt tracking and control systems below to enhance performance.

**uni Flex SNB L R2.3**
Standard



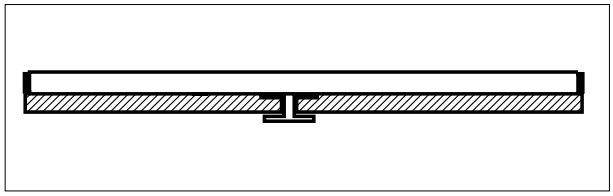

Wearpart system made of heat and wear resistant nylon to reduce the friction between belt edge and wearstrip. Only this part needs to be replaced when it has been worn out, not the entire belt.

**Wearpart**



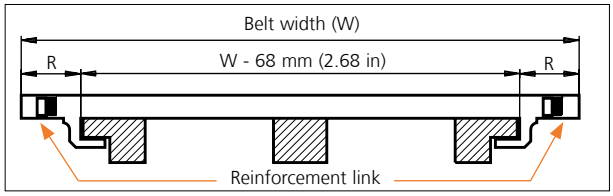

Outer edge tab system made of heat and wear resistant nylon to reduce the friction between belt edge and wearstrip. Using a slotted wear-strip, the O-Tab will track the belt and allow the conveyed products to be wider than the belt.
Height of O-Tab: 6.4 mm (0.25 in)
Height of slot: 8.0 mm (0.31 in)

**O-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).

**I-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).

**S-Tab**

| Type | Belt tracking and control combination | | | |
|---|---|---|---|---|
| | Wearpart | O-Tab | S-Tab | I-Tab |
| uni Flex SNB L R2.3 | + | + | - | + |
| uni Flex SNB CR R1.6<br>uni Flex SNB C 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).

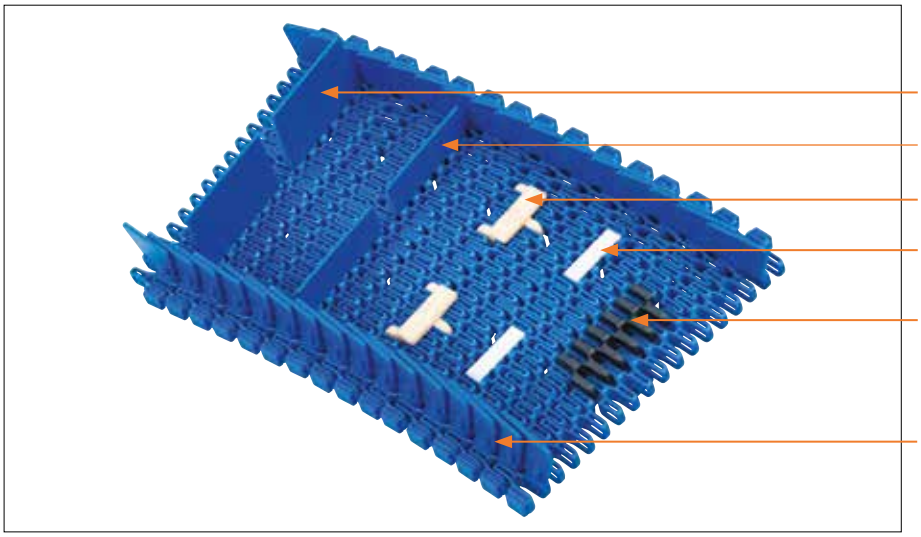
When using square shafts, please verify that the diagonal does not exceed max. diameter.

Example: Sprocket z = 10: Max. shaft diameter 82.2 - 50.8 = ø31 mm (3.24 - 2.00 = ø1.2 in).

✓ *Standard* + *Optional*

- *Unavailable*

## Accessories




## 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 |

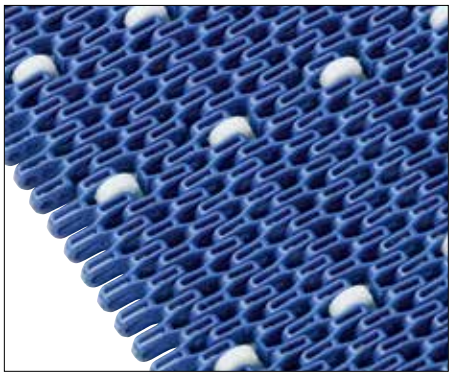
## Accessories

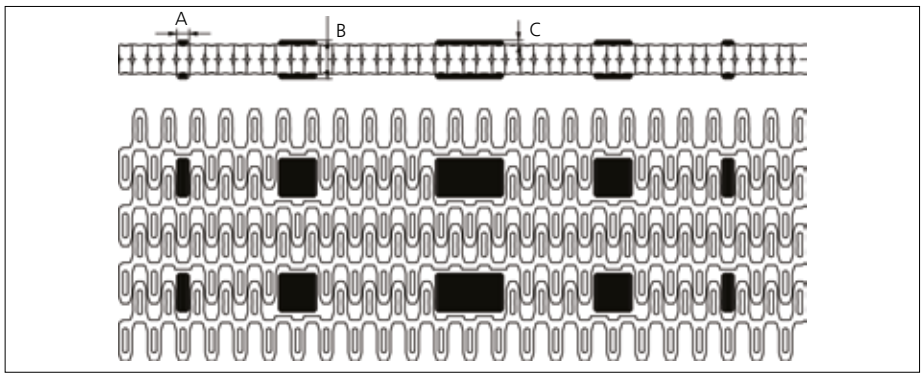
### Minimum Indents (I)

| 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)

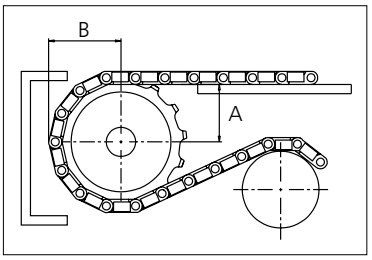
Made-To-Oder Materials: POM-D, PP, PA6.6 and Roller Material POM-D.
Non standard Roller material and color: See uni Material and Color verview.

| 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 | Bore size | | | | | | | | | | | | | Overall diameter | | Pitch diameter | | Hub diameter | | Dimension A | | Dimension B | | Single row/Two way | Double row/Two way | LG PA6 Molded | N PA6 Machined |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 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 | 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 = 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 Flex ASB.
For more detailed sprocket information, contact Customer Service.

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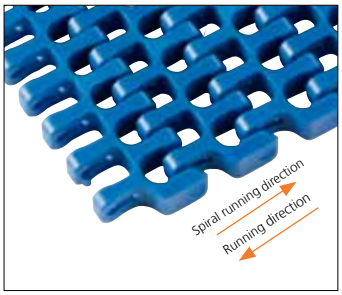
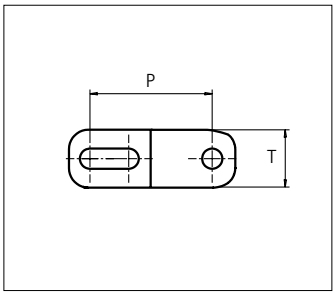
# Plastic Modular Belt

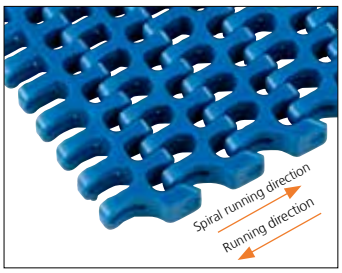
## Series **uni Flex ASB**

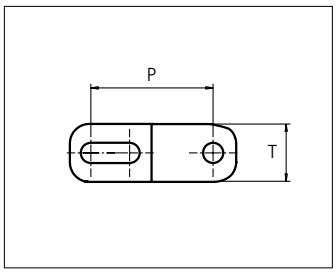


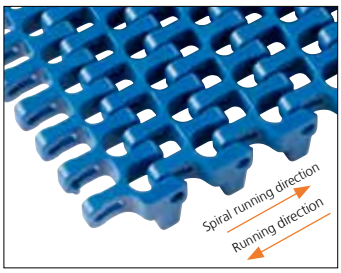

Sideflexing belt
Nominal pitch: 25.4 mm (1.00 in)
Surface type: Flat
Surface opening: 43%
Backflex radius: 25.0 mm (0.98 in)
Pin diameter: 4.0 mm (0.16 in)
Min. inside radius: R1.6 x belt width, R2.2 x belt width
Curved surface makes perfect circle when Z9 tooth sprocket or 95 mm (3.74 in) flex diameter is applied.

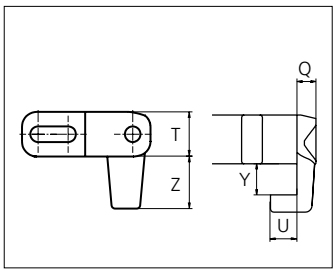
**43% Open Radius 1.6**



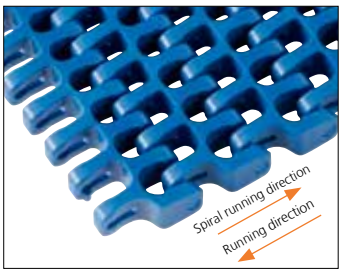



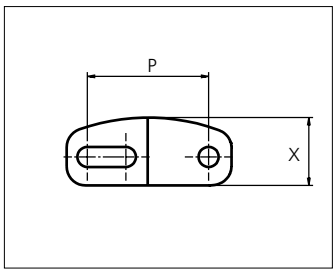

**43% Open Radius 2.2**



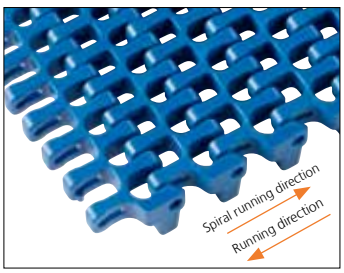



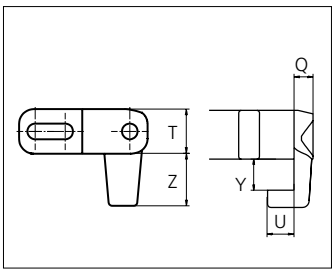

**43% Open Tab Radius 2.2**



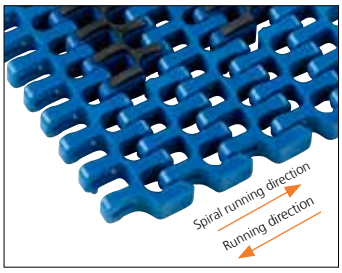



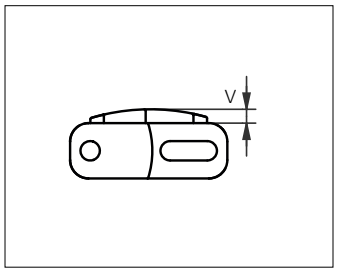

**43% Open Curved Surface Radius 2.2**



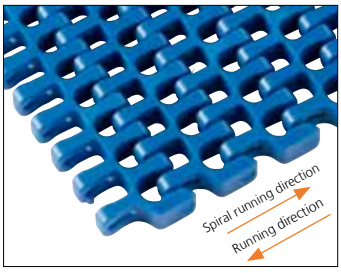



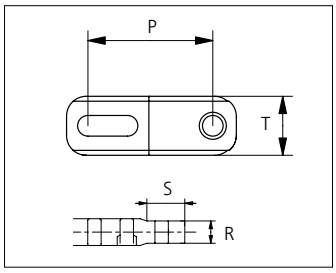

**43% Open Curved Surface Tab Radius 2.2**




**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 2.2** | 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<br>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 | | | | | | | | |
| 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 |
| 162 | 6.4 | 3046 | 685 | 1200 | 270 | 2025 | 455 | 720 | 162 | 1.3 | 0.89 | 0.8 | 0.57 | 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 |
| 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).

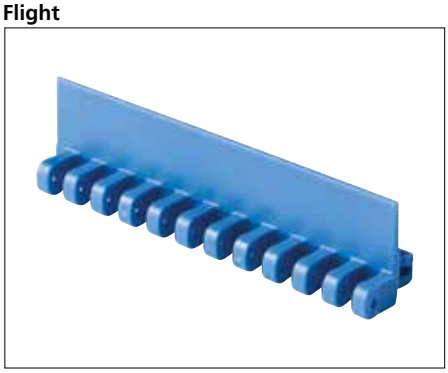
**Max. Spacing between wear strips, Carry: 152 mm (6 in); Return: 304 mm (12 in).

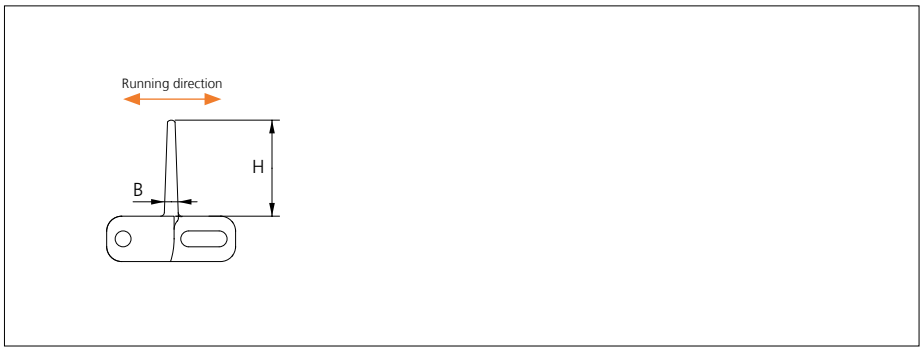
Max. Belt width with Flex ASB R1.6: 1296 mm (51.0 in).

= Single Link

## Accessories

### Flight



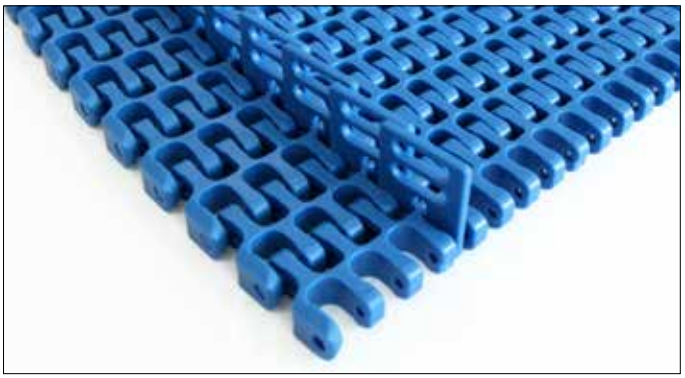



| Type | Flight Material & color | B | | H | | Link size | Width | |
|---|---|---|---|---|---|---|---|---|
| | | mm | in | mm | in | | mm | in |
| Flat | POM-D B W | 3.7 | 0.15 | 25.4 | 1.00 | K600 | 151.0 | 5.94 |

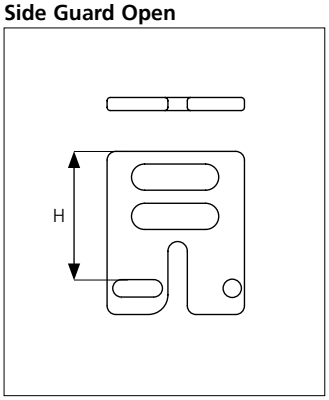
Non Standard material and color: See uni Material and Color Overview.

## Accessories

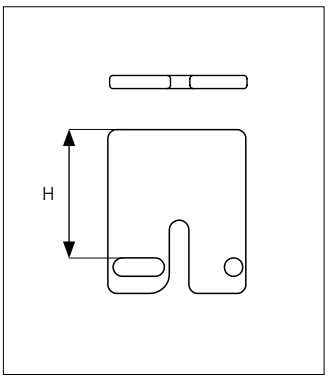
### Side Guard



### Side Guard Open



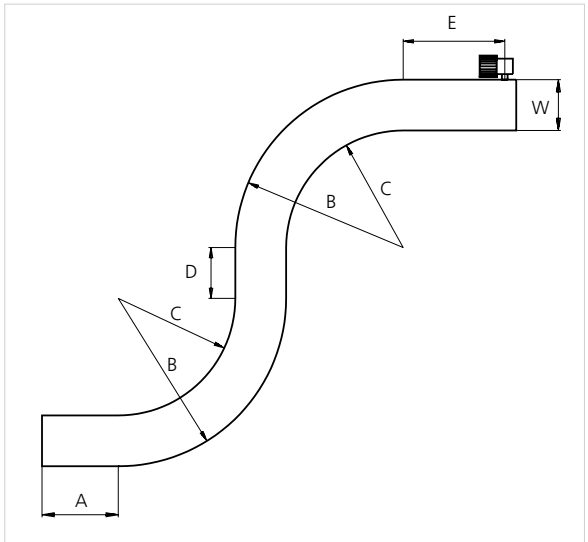

### Side Guard




| Type | Side Guard Material & color | H | |
|---|---|---|---|
| | | mm | in |
| Side Guard<br>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 12.7 mm (0.50 in).
Non Standard material and color: See uni Material and Color Overview.

## Design Guidelines

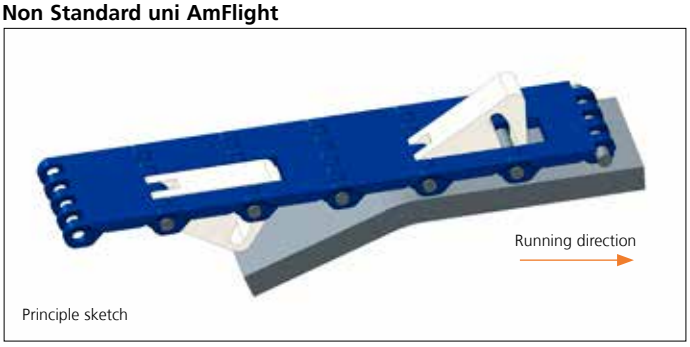



| | 43% Open Radius 2.2<br>43% Open Tab Radius 2.2<br>43% Open Curved Surface Radius 2.2<br>43% Open Curved Surface Tab Radius 2.2 | uni Flex ASB<br>43% Open<br>Radius 1.6 |
|---|---|---|
| **A** | min 1.5 x W | min 1.5 x W |
| **B** | min 3.2 x W | min 2.6 x W |
| **C** | min 2.2 x W | min 1.6 x W |
| **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

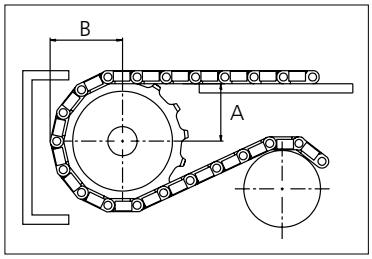



Other Non Standard option: See uni AmFlight Overview.

## Sprocket

| No. of teeth | Bore size | | | | | | | | | | | | | Overall diameter | | Pitch diameter | | Hub diameter | | Dimension A | | Dimension B | | Single row/Two way | Double row/Two way | LG PA6 Molded | N PA6 Machined |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 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 | 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.





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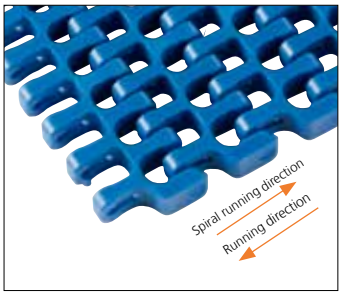
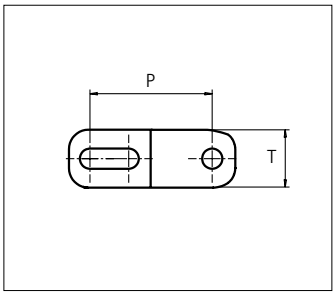
# Plastic Modular Belt

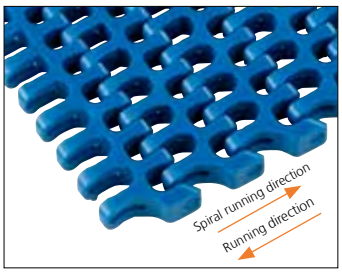
## Series **uni Flex ASB**

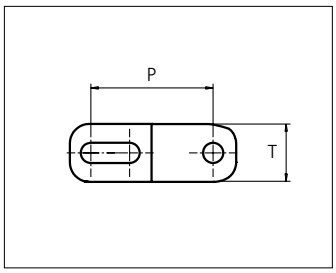


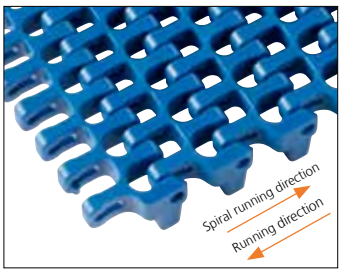

Sideflexing belt
Nominal pitch: 25.4 mm (1.00 in)
Surface type: Flat
Surface opening: 43%
Backflex radius: 25.0 mm (0.98 in)
Pin diameter: 4.0 mm (0.16 in)
Min. inside radius: R1.6 x belt width, R2.2 x belt width
Curved surface makes perfect circle when Z9 tooth sprocket or 95 mm (3.74 in) flex diameter is applied.

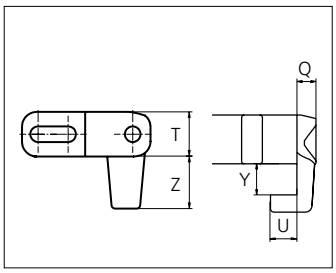
**43% Open Radius 1.6**



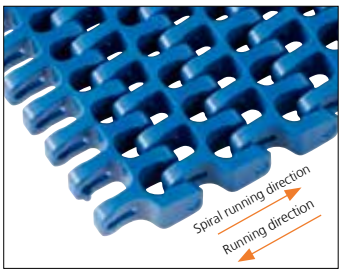



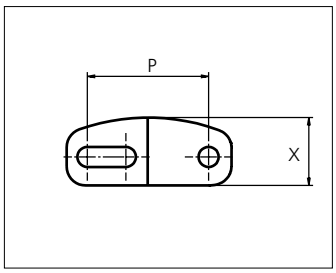

**43% Open Radius 2.2**



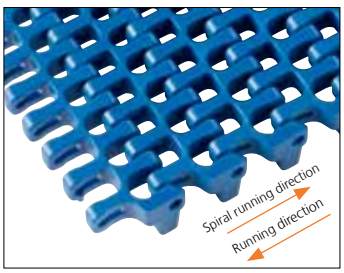



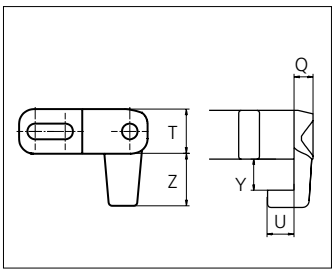

**43% Open Tab Radius 2.2**



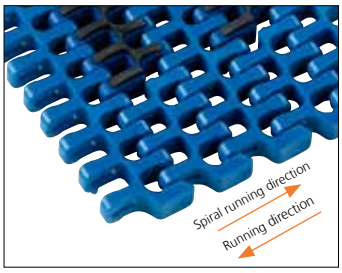



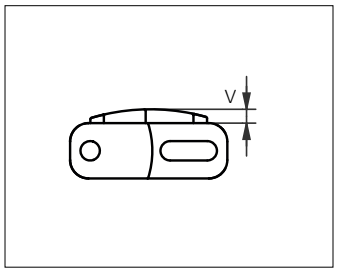

**43% Open Curved Surface Radius 2.2**



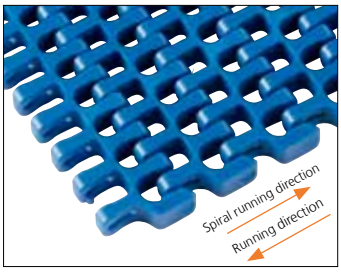



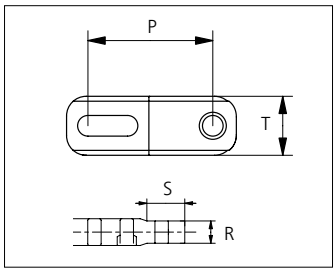

**43% Open Curved Surface Tab Radius 2.2**




**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 2.2** | 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<br>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 | | | | | | | | |
| 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 |
| 162 | 6.4 | 3046 | 685 | 1200 | 270 | 2025 | 455 | 720 | 162 | 1.3 | 0.89 | 0.8 | 0.57 | 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 |
| 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).

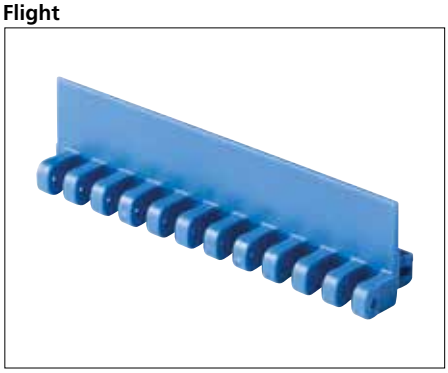
**Max. Spacing between wear strips, Carry: 152 mm (6 in); Return: 304 mm (12 in).

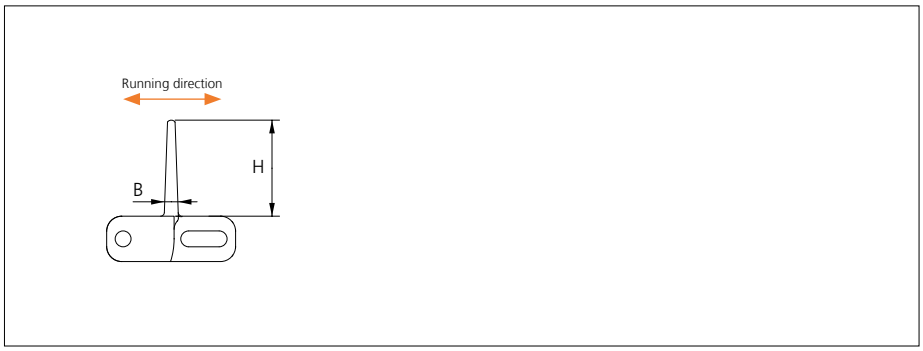
Max. Belt width with Flex ASB R1.6: 1296 mm (51.0 in).

= Single Link

## Accessories

### Flight



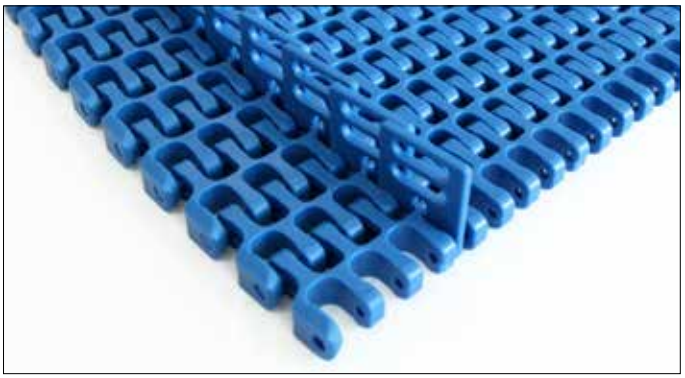



| Type | Flight Material & color | B | | H | | Link size | Width | |
|---|---|---|---|---|---|---|---|---|
| | | mm | in | mm | in | | mm | in |
| Flat | POM-D B W | 3.7 | 0.15 | 25.4 | 1.00 | K600 | 151.0 | 5.94 |

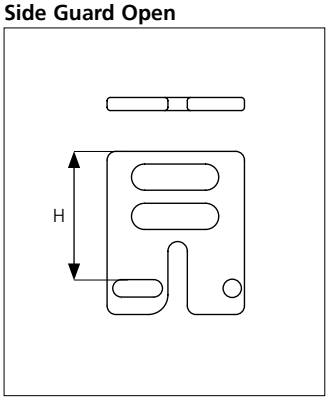
Non Standard material and color: See uni Material and Color Overview.

## Accessories

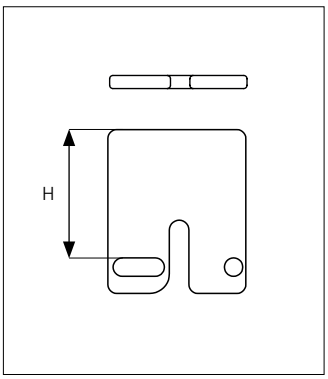
### Side Guard



### Side Guard Open



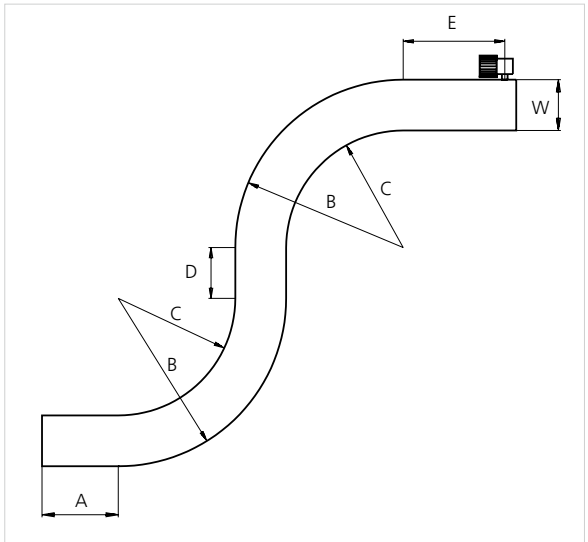

### Side Guard




| Type | Side Guard Material & color | H | |
|---|---|---|---|
| | | mm | in |
| Side Guard<br>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 12.7 mm (0.50 in).
Non Standard material and color: See uni Material and Color Overview.

## Design Guidelines

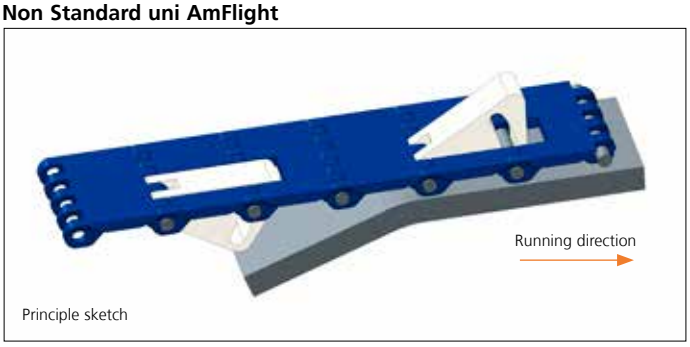



| | 43% Open Radius 2.2<br>43% Open Tab Radius 2.2<br>43% Open Curved Surface Radius 2.2<br>43% Open Curved Surface Tab Radius 2.2 | uni Flex ASB<br>43% Open<br>Radius 1.6 |
|---|---|---|
| **A** | min 1.5 x W | min 1.5 x W |
| **B** | min 3.2 x W | min 2.6 x W |
| **C** | min 2.2 x W | min 1.6 x W |
| **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

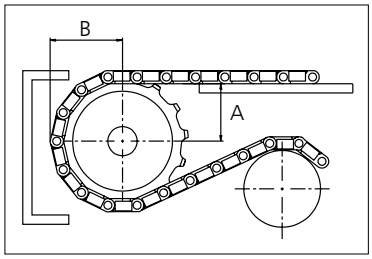



Other Non Standard option: See uni AmFlight Overview.

## 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 LG PA6 | Machined N PA6 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 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 | 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.





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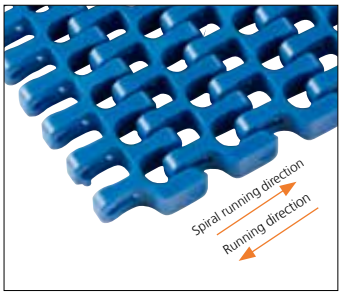
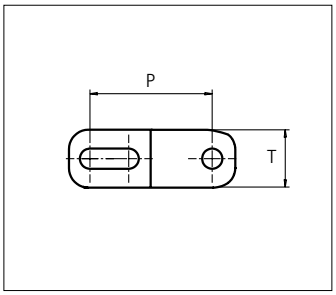
# Plastic Modular Belt

## Series **uni Flex ASB**

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Surface opening: 43%
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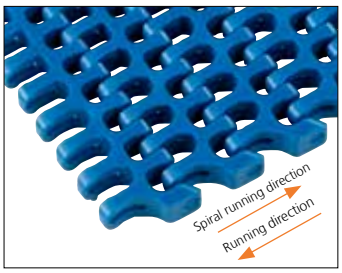
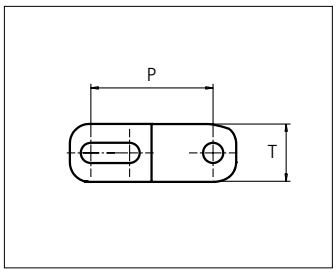
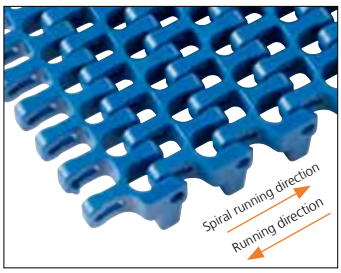
Min. inside radius: R1.6 x belt width, R2.2 x belt width
Curved surface makes perfect circle when Z9 tooth sprocket or 95 mm (3.74 in) flex diameter is applied.

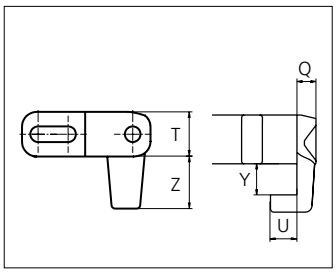
**43% Open Radius 1.6**



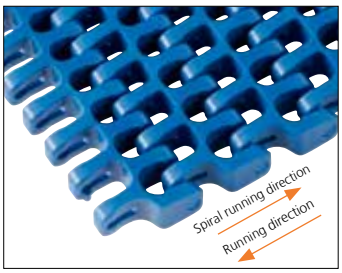



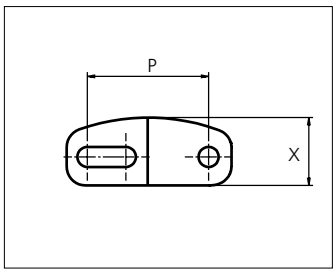

**43% Open Radius 2.2**



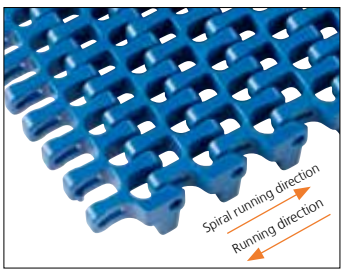



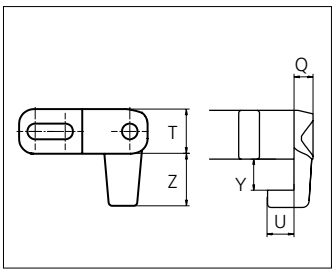

**43% Open Tab Radius 2.2**



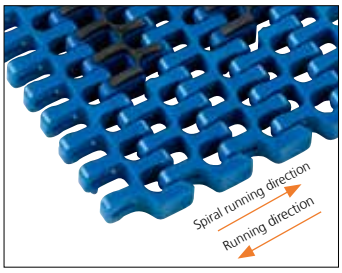



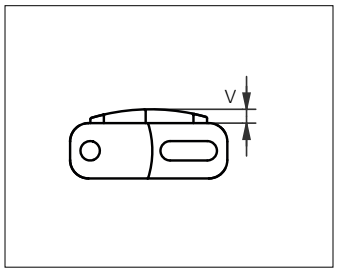

**43% Open Curved Surface Radius 2.2**



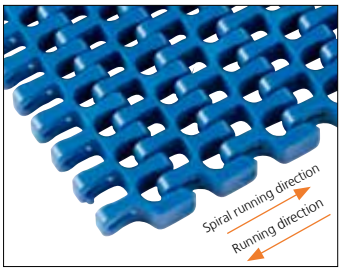



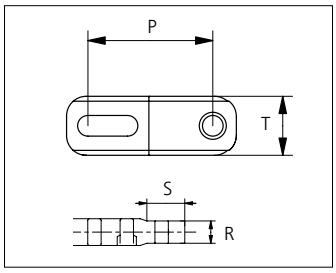

**43% Open Curved Surface Tab Radius 2.2**




**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 2.2** | 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<br>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 | | | | | | | | |
| 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 |
| 162 | 6.4 | 3046 | 685 | 1200 | 270 | 2025 | 455 | 720 | 162 | 1.3 | 0.89 | 0.8 | 0.57 | 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 |
| 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).

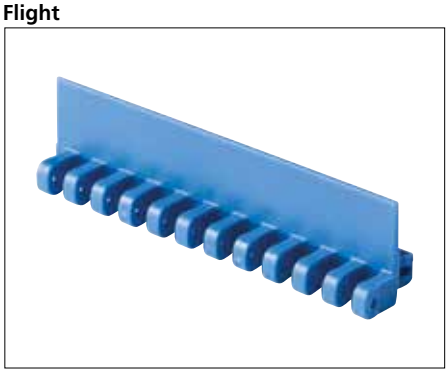
**Max. Spacing between wear strips, Carry: 152 mm (6 in); Return: 304 mm (12 in).

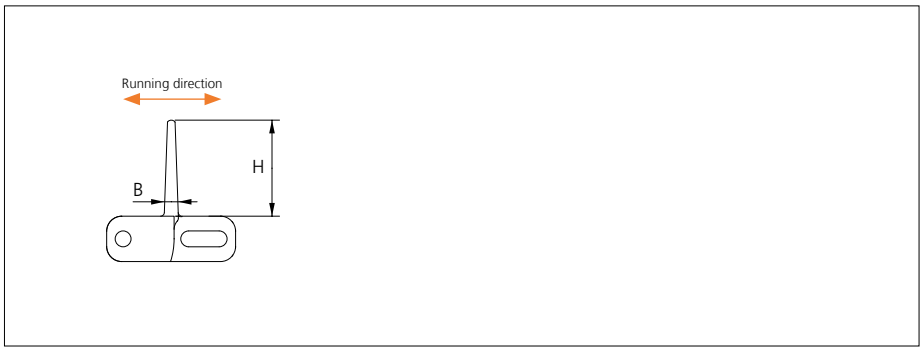
Max. Belt width with Flex ASB R1.6: 1296 mm (51.0 in).

= Single Link

## Accessories

### Flight



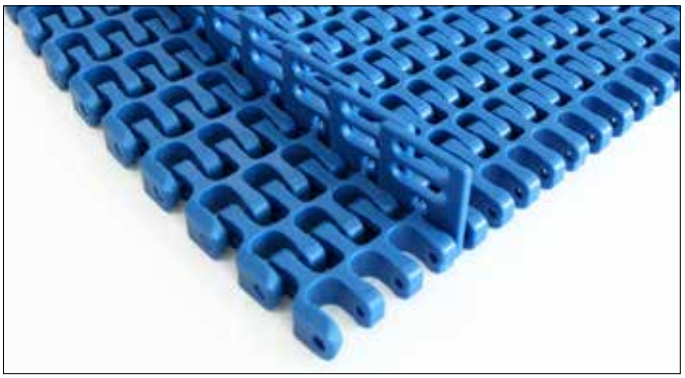



| Type | Flight Material & color | B | | H | | Link size | Width | |
|---|---|---|---|---|---|---|---|---|
| | | mm | in | mm | in | | mm | in |
| Flat | POM-D B W | 3.7 | 0.15 | 25.4 | 1.00 | K600 | 151.0 | 5.94 |

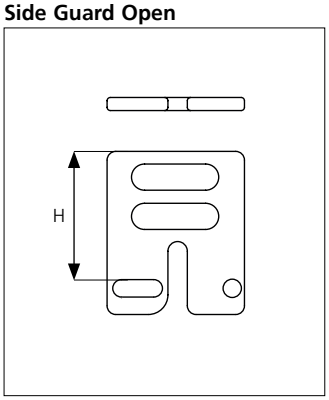
Non Standard material and color: See uni Material and Color Overview.

## Accessories

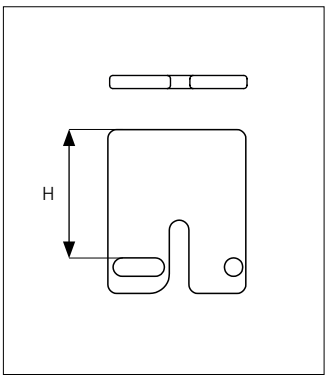
### Side Guard



### Side Guard Open



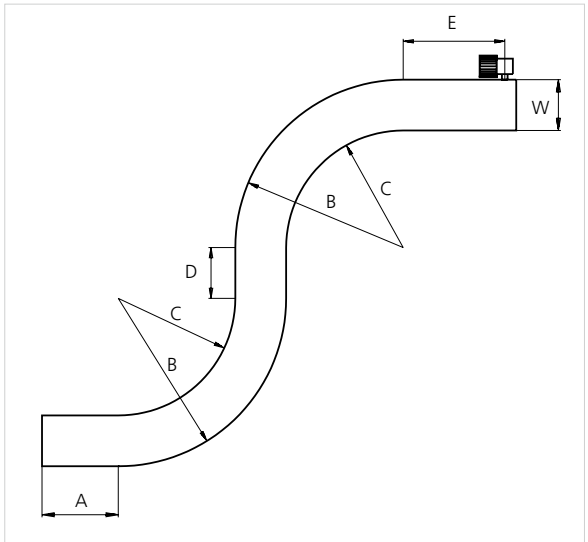

### Side Guard




| Type | Side Guard Material & color | H | |
|---|---|---|---|
| | | mm | in |
| Side Guard<br>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 12.7 mm (0.50 in).
Non Standard material and color: See uni Material and Color Overview.

## Design Guidelines

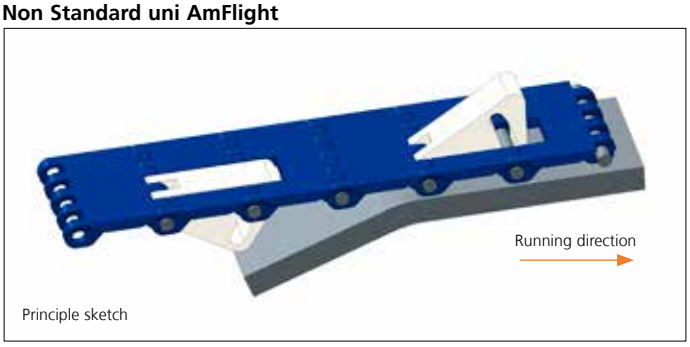



| | 43% Open Radius 2.2<br>43% Open Tab Radius 2.2<br>43% Open Curved Surface Radius 2.2<br>43% Open Curved Surface Tab Radius 2.2 | uni Flex ASB<br>43% Open<br>Radius 1.6 |
|---|---|---|
| **A** | min 1.5 x W | min 1.5 x W |
| **B** | min 3.2 x W | min 2.6 x W |
| **C** | min 2.2 x W | min 1.6 x W |
| **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

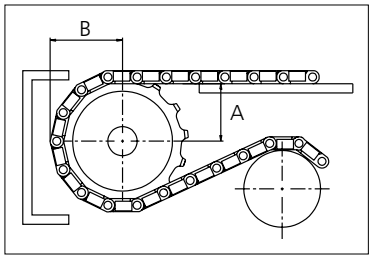



Other Non Standard option: See uni AmFlight Overview.

## 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 LG PA6 | Machined N PA6 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 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 | 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.





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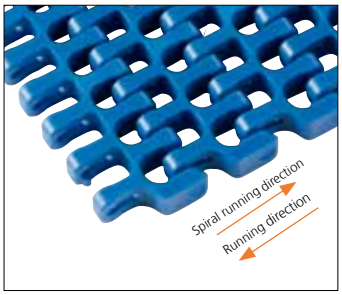
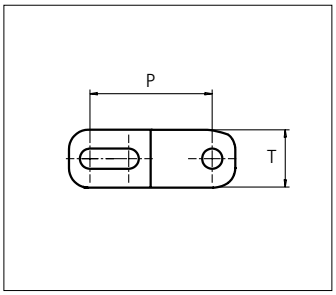
# Plastic Modular Belt

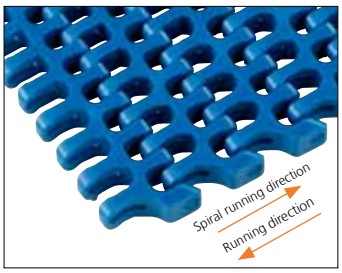
## Series **uni Flex ASB**

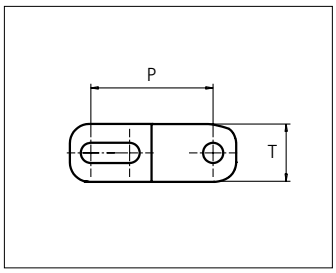


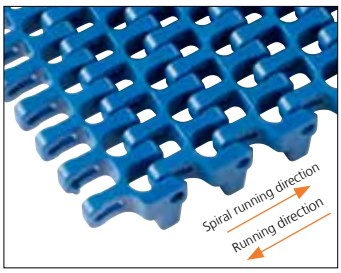

Sideflexing belt
Nominal pitch: 25.4 mm (1.00 in)
Surface type: Flat
Surface opening: 43%
Backflex radius: 25.0 mm (0.98 in)
Pin diameter: 4.0 mm (0.16 in)
Min. inside radius: R1.6 x belt width, R2.2 x belt width
Curved surface makes perfect circle when Z9 tooth sprocket or 95 mm (3.74 in) flex diameter is applied.

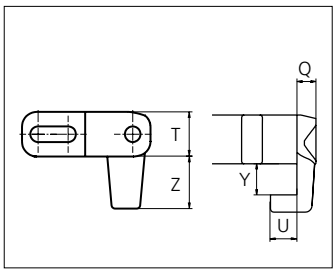
**43% Open Radius 1.6**



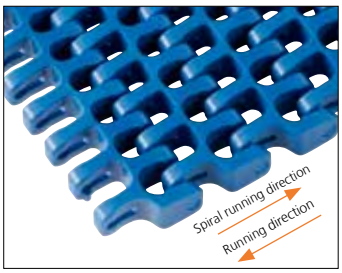



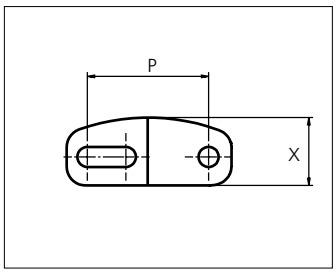

**43% Open Radius 2.2**



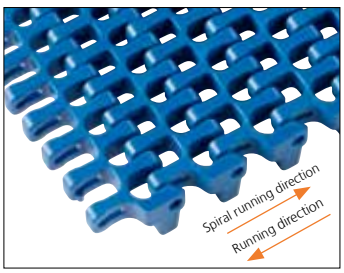



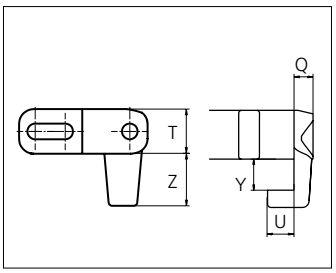

**43% Open Tab Radius 2.2**



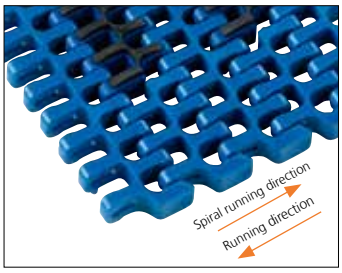



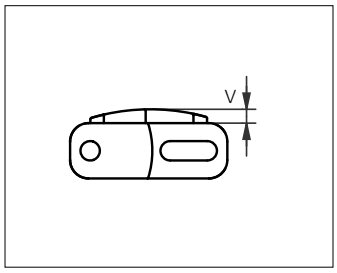

**43% Open Curved Surface Radius 2.2**



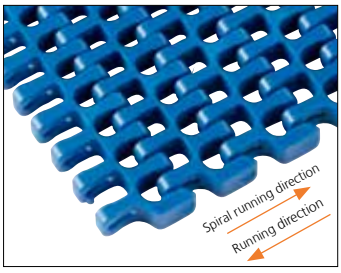



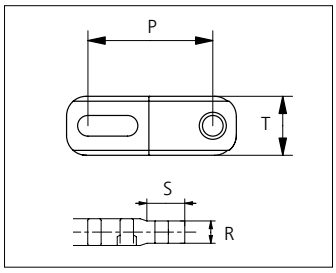

**43% Open Curved Surface Tab Radius 2.2**




**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 2.2** | 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<br>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 | | | | | | | | |
| 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 |
| 162 | 6.4 | 3046 | 685 | 1200 | 270 | 2025 | 455 | 720 | 162 | 1.3 | 0.89 | 0.8 | 0.57 | 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 |
| 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).

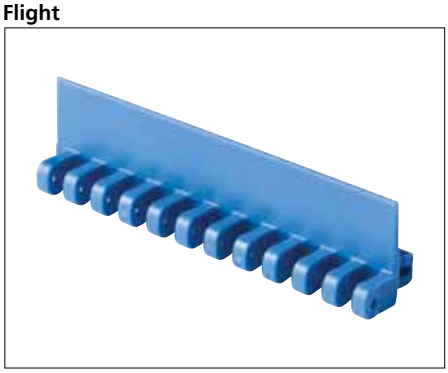
**Max. Spacing between wear strips, Carry: 152 mm (6 in); Return: 304 mm (12 in).

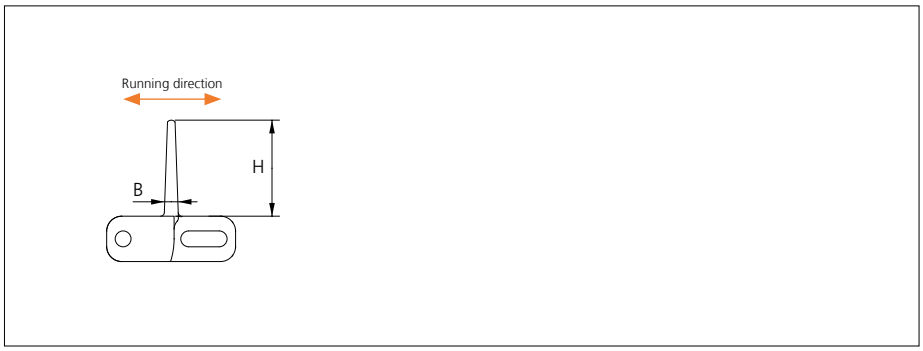
Max. Belt width with Flex ASB R1.6: 1296 mm (51.0 in).

= Single Link

## Accessories

### Flight



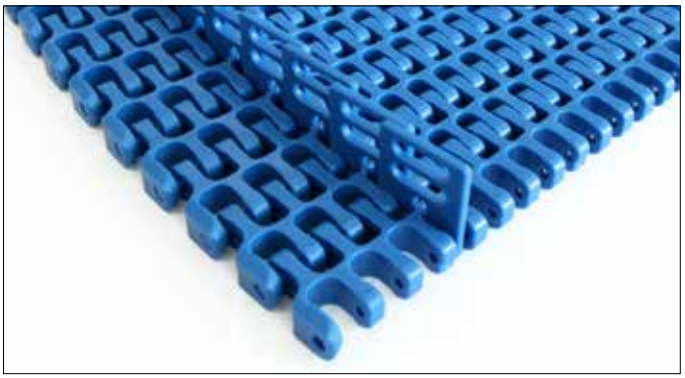



| Type | Flight Material & color | B | | H | | Link size | Width | |
|---|---|---|---|---|---|---|---|---|
| | | mm | in | mm | in | | mm | in |
| Flat | POM-D B W | 3.7 | 0.15 | 25.4 | 1.00 | K600 | 151.0 | 5.94 |

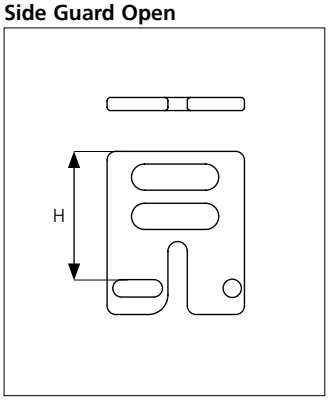
Non Standard material and color: See uni Material and Color Overview.

## Accessories

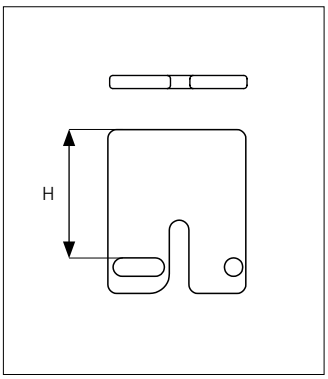
### Side Guard



### Side Guard Open



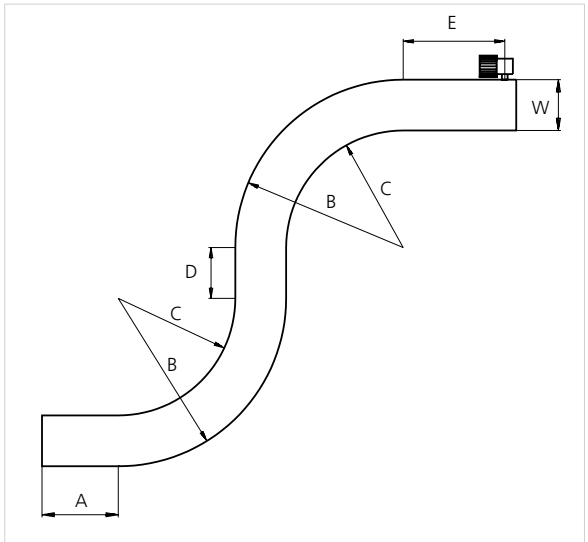

### Side Guard




| Type | Side Guard Material & color | H | |
|---|---|---|---|
| | | mm | in |
| Side Guard<br>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 12.7 mm (0.50 in).
Non Standard material and color: See uni Material and Color Overview.

## Design Guidelines

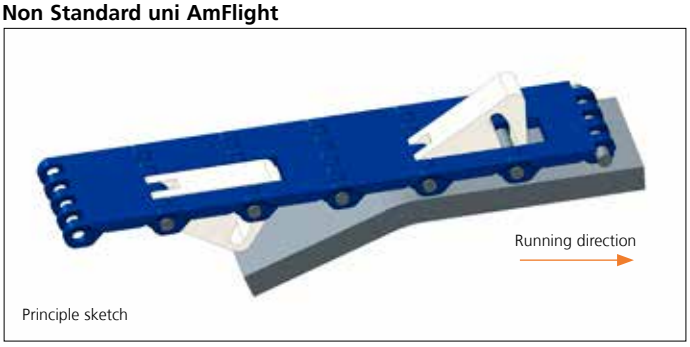



| | 43% Open Radius 2.2<br>43% Open Tab Radius 2.2<br>43% Open Curved Surface Radius 2.2<br>43% Open Curved Surface Tab Radius 2.2 | uni Flex ASB<br>43% Open<br>Radius 1.6 |
|---|---|---|
| **A** | min 1.5 x W | min 1.5 x W |
| **B** | min 3.2 x W | min 2.6 x W |
| **C** | min 2.2 x W | min 1.6 x W |
| **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

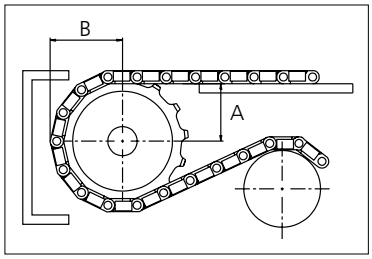



Other Non Standard option: See uni AmFlight Overview.

## Sprocket

| No. of teeth | Bore size | | | | | | | | | | | | | Overall diameter | | Pitch diameter | | Hub diameter | | Dimension A | | Dimension B | | Single row/Two way | Double row/Two way | LG PA6 Molded | N PA6 Machined |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 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 | 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.





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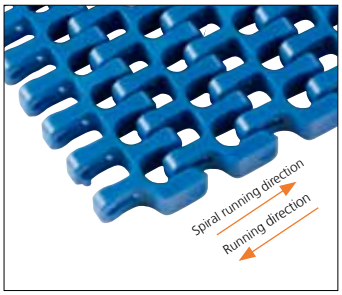
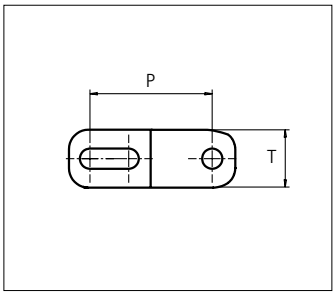
# Plastic Modular Belt

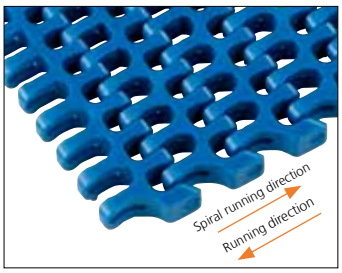
## Series **uni Flex ASB**

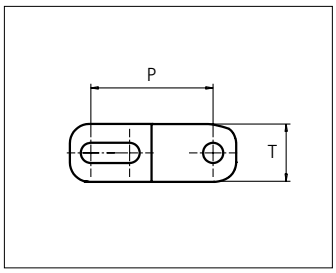


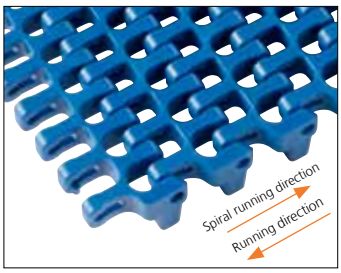

Sideflexing belt
Nominal pitch: 25.4 mm (1.00 in)
Surface type: Flat
Surface opening: 43%
Backflex radius: 25.0 mm (0.98 in)
Pin diameter: 4.0 mm (0.16 in)
Min. inside radius: R1.6 x belt width, R2.2 x belt width
Curved surface makes perfect circle when Z9 tooth sprocket or 95 mm (3.74 in) flex diameter is applied.

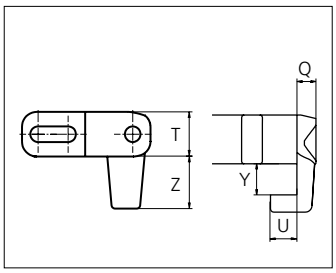
**43% Open Radius 1.6**



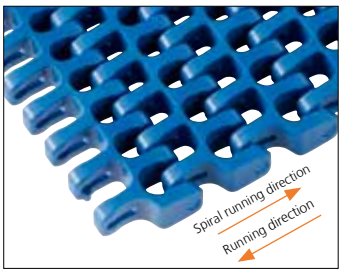



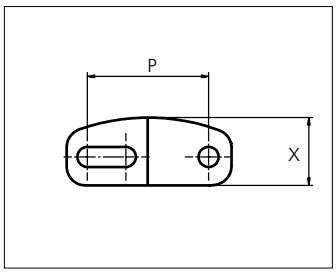

**43% Open Radius 2.2**



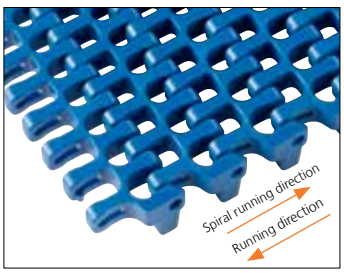



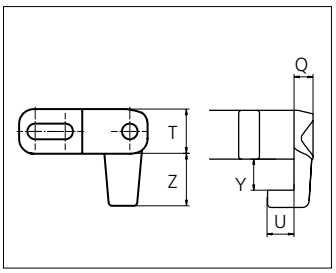

**43% Open Tab Radius 2.2**



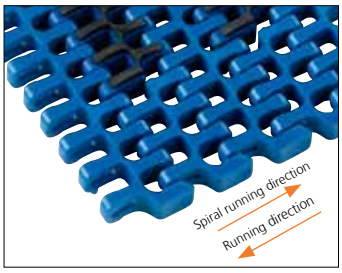



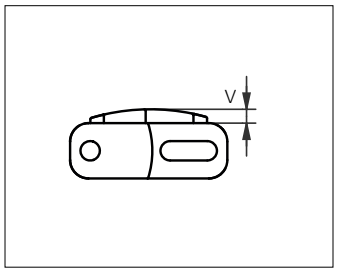

**43% Open Curved Surface Radius 2.2**



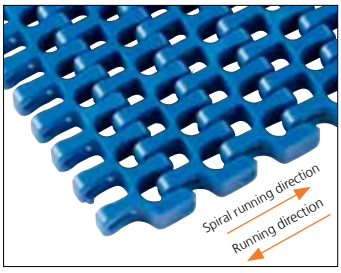



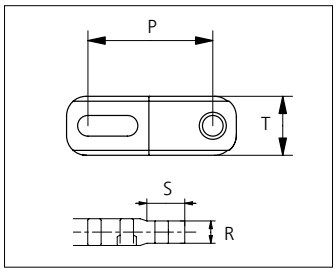

**43% Open Curved Surface Tab Radius 2.2**




**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 2.2** | 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<br>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 | | | | | | | | |
| 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 |
| 162 | 6.4 | 3046 | 685 | 1200 | 270 | 2025 | 455 | 720 | 162 | 1.3 | 0.89 | 0.8 | 0.57 | 2 | 2 | 2 |
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| 455 | 17.9 | 8554 | 1923 | 1200 | 270 | 5688 | 1279 | 720 | 162 | 3.7 | 2.51 | 2.4 | 1.59 | 5 | 4 | 2 |
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| 608 | 23.9 | 11430 | 2570 | 1600 | 360 | 7600 | 1708 | 960 | 216 | 5.0 | 3.35 | 3.2 | 2.12 | 5 | 5 | 3 |
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| 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 |
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| 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).

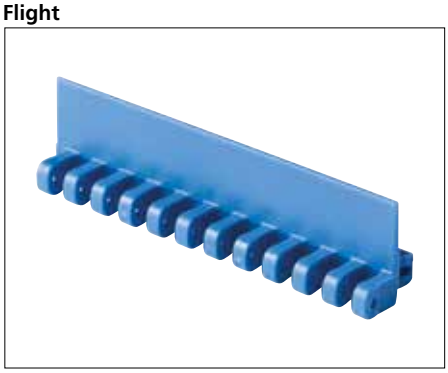
**Max. Spacing between wear strips, Carry: 152 mm (6 in); Return: 304 mm (12 in).

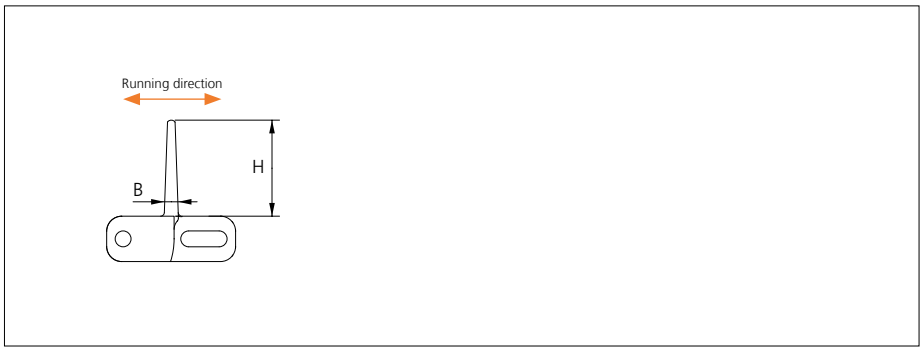
Max. Belt width with Flex ASB R1.6: 1296 mm (51.0 in).

= Single Link

## Accessories

### Flight



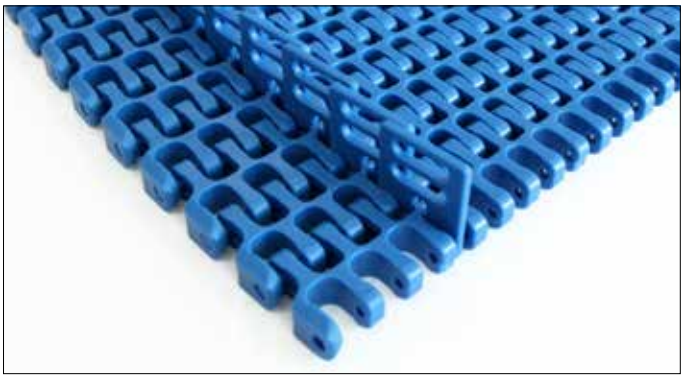



| Type | Flight Material & color | B | | H | | Link size | Width | |
|---|---|---|---|---|---|---|---|---|
| | | mm | in | mm | in | | mm | in |
| Flat | POM-D B W | 3.7 | 0.15 | 25.4 | 1.00 | K600 | 151.0 | 5.94 |

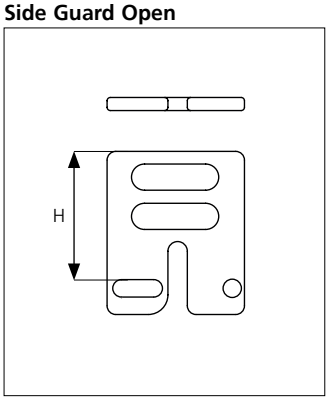
Non Standard material and color: See uni Material and Color Overview.

## Accessories

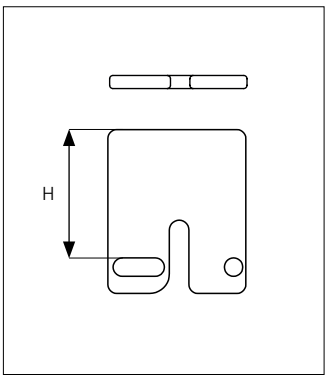
### Side Guard



### Side Guard Open



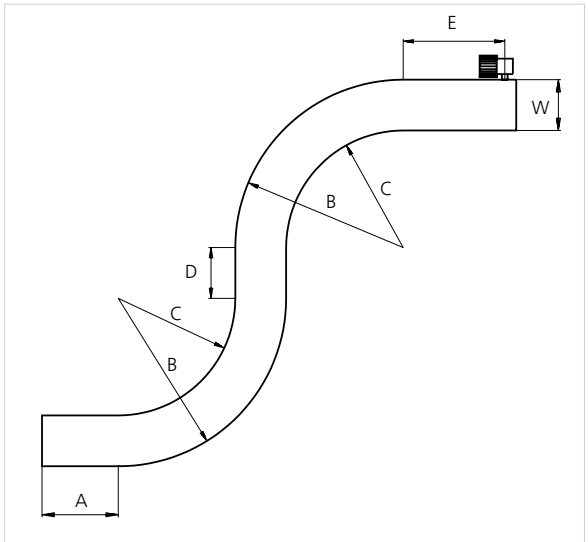

### Side Guard




| Type | Side Guard Material & color | H | |
|---|---|---|---|
| | | mm | in |
| Side Guard<br>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 12.7 mm (0.50 in).
Non Standard material and color: See uni Material and Color Overview.

## Design Guidelines

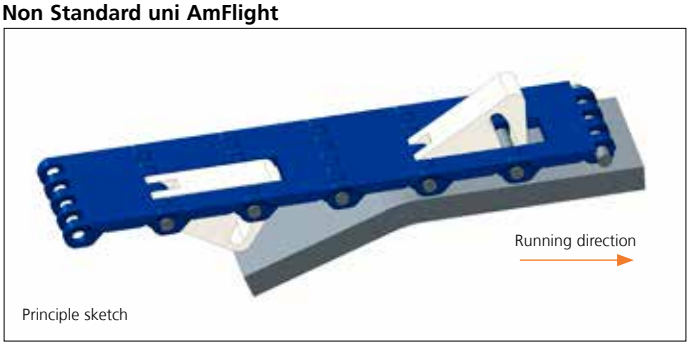



| | 43% Open Radius 2.2<br>43% Open Tab Radius 2.2<br>43% Open Curved Surface Radius 2.2<br>43% Open Curved Surface Tab Radius 2.2 | uni Flex ASB<br>43% Open<br>Radius 1.6 |
|---|---|---|
| **A** | min 1.5 x W | min 1.5 x W |
| **B** | min 3.2 x W | min 2.6 x W |
| **C** | min 2.2 x W | min 1.6 x W |
| **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

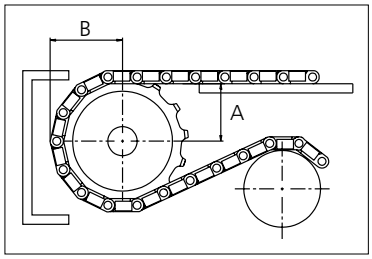



Other Non Standard option: See uni AmFlight Overview.

## 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 LG PA6 | Machined N PA6 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 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 | 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.





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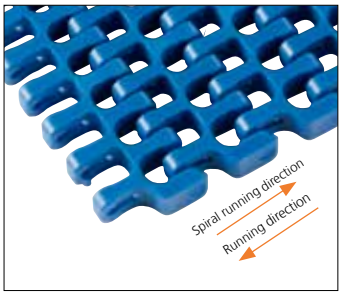
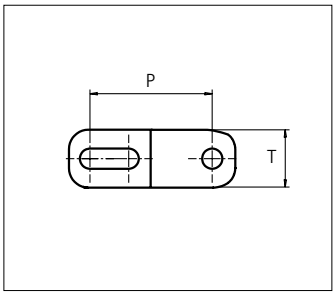
# Plastic Modular Belt

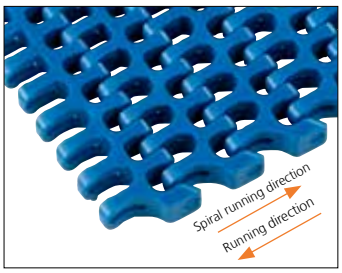
## Series **uni Flex ASB**

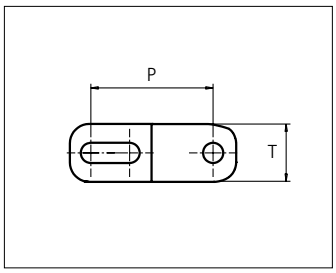


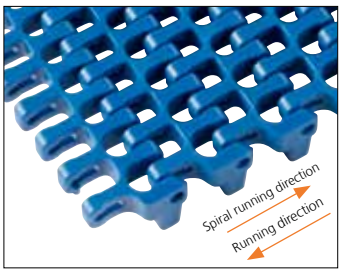

Sideflexing belt
Nominal pitch: 25.4 mm (1.00 in)
Surface type: Flat
Surface opening: 43%
Backflex radius: 25.0 mm (0.98 in)
Pin diameter: 4.0 mm (0.16 in)
Min. inside radius: R1.6 x belt width, R2.2 x belt width
Curved surface makes perfect circle when Z9 tooth sprocket or 95 mm (3.74 in) flex diameter is applied.

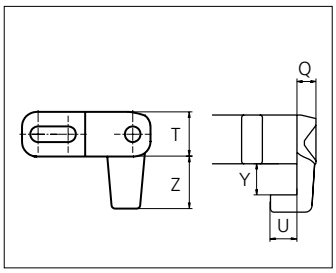
**43% Open Radius 1.6**



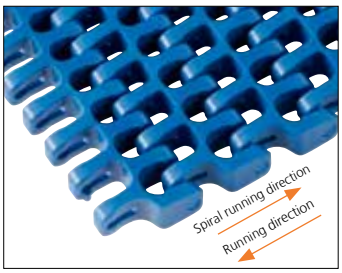



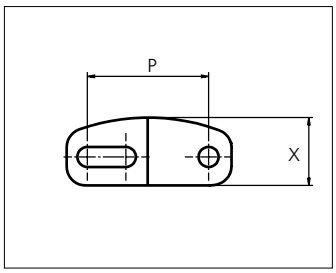

**43% Open Radius 2.2**



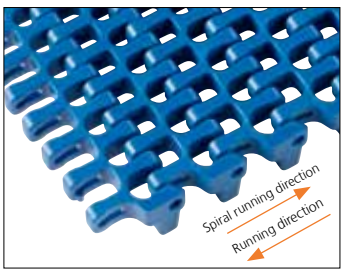



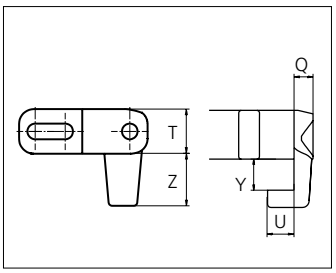

**43% Open Tab Radius 2.2**



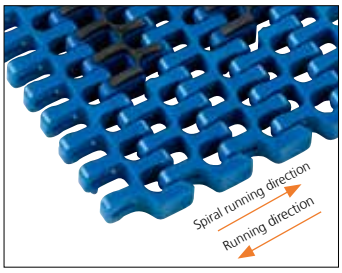



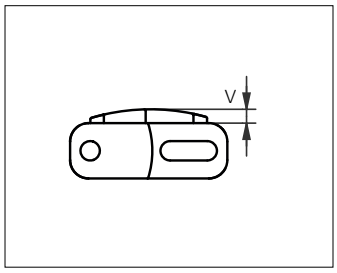

**43% Open Curved Surface Radius 2.2**



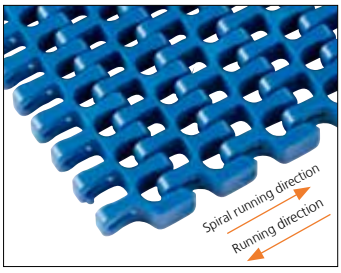



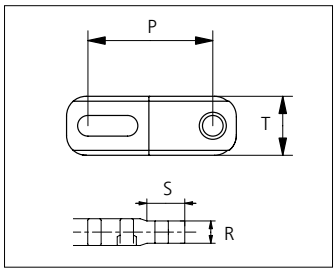

**43% Open Curved Surface Tab Radius 2.2**




**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 2.2** | 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<br>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 | | | | | | | | |
| 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 |
| 162 | 6.4 | 3046 | 685 | 1200 | 270 | 2025 | 455 | 720 | 162 | 1.3 | 0.89 | 0.8 | 0.57 | 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 |
| 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).

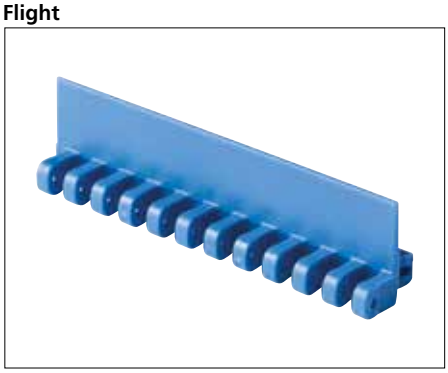
**Max. Spacing between wear strips, Carry: 152 mm (6 in); Return: 304 mm (12 in).

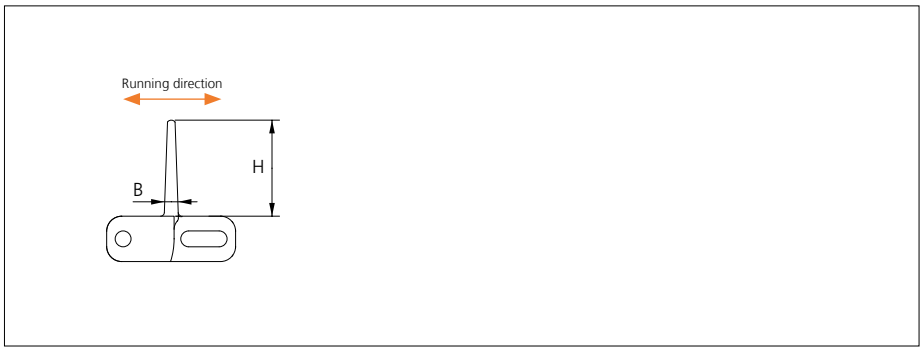
Max. Belt width with Flex ASB R1.6: 1296 mm (51.0 in).

= Single Link

## Accessories

### Flight



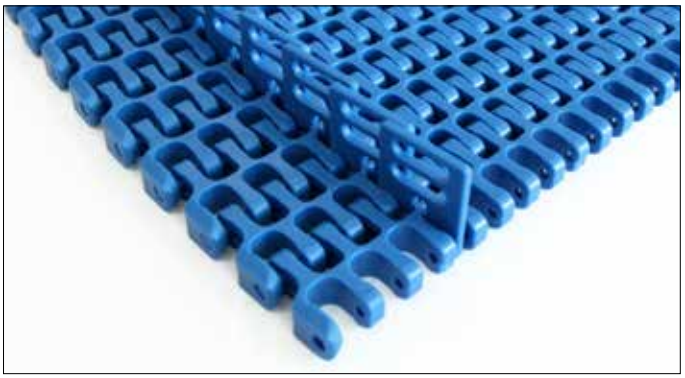



| Type | Flight Material & color | B | | H | | Link size | Width | |
|---|---|---|---|---|---|---|---|---|
| | | mm | in | mm | in | | mm | in |
| Flat | POM-D B W | 3.7 | 0.15 | 25.4 | 1.00 | K600 | 151.0 | 5.94 |

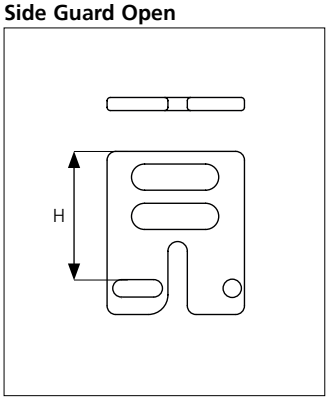
Non Standard material and color: See uni Material and Color Overview.

## Accessories

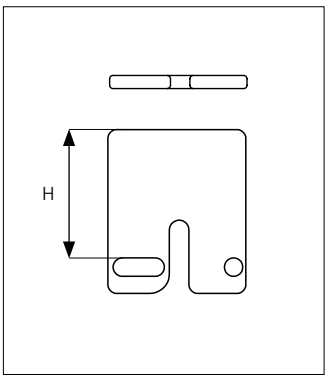
### Side Guard



### Side Guard Open



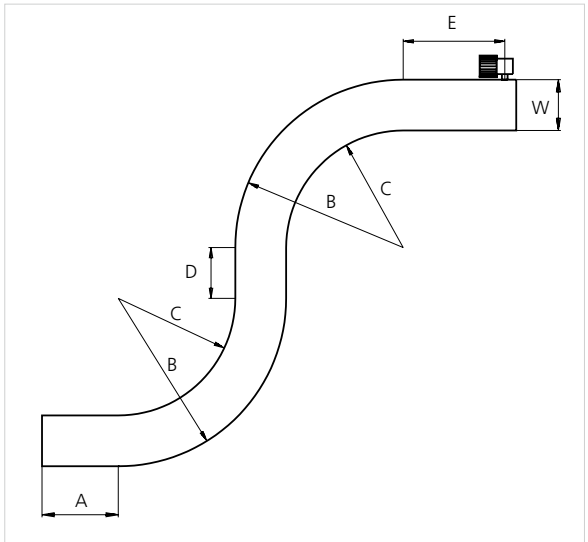

### Side Guard




| Type | Side Guard Material & color | H | |
|---|---|---|---|
| | | mm | in |
| Side Guard<br>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 12.7 mm (0.50 in).
Non Standard material and color: See uni Material and Color Overview.

## Design Guidelines

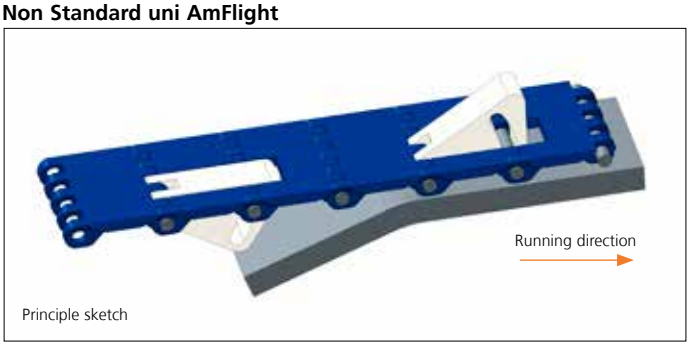



| | 43% Open Radius 2.2<br>43% Open Tab Radius 2.2<br>43% Open Curved Surface Radius 2.2<br>43% Open Curved Surface Tab Radius 2.2 | uni Flex ASB<br>43% Open<br>Radius 1.6 |
|---|---|---|
| **A** | min 1.5 x W | min 1.5 x W |
| **B** | min 3.2 x W | min 2.6 x W |
| **C** | min 2.2 x W | min 1.6 x W |
| **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

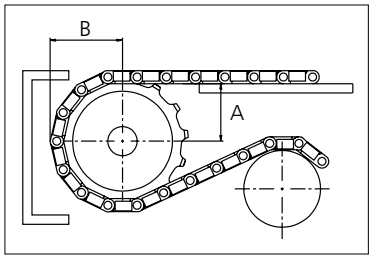



Other Non Standard option: See uni AmFlight Overview.

## 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 LG PA6 | Machined N PA6 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 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 | 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)

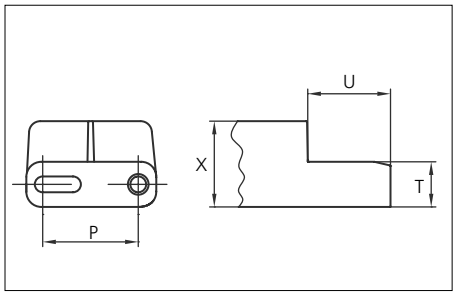
Max. load per sprocket shown does not take bore size into account.
Please also ensure that sufficient size shaft is chosen for corresponding load.

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

Ammeraal Beltech
Innovation & Service in Belting

# 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 | | 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 A2: PP **W** PBT **LG**

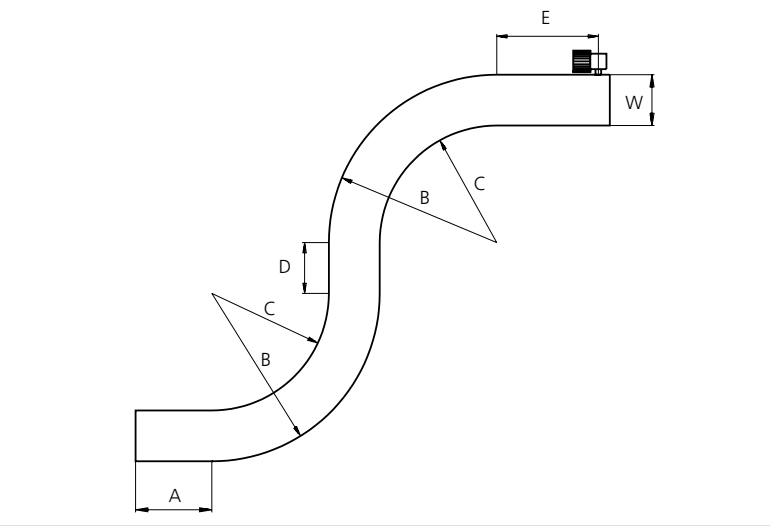
| Belt width | | Permissible tensile force (Belt/pin material) | | | | | | | | Belt weight (Belt/pin material) | | | | *Min. No. drive sprocket per shaft | Number of wear strips (Min. No.) | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | POM-D/PA6.6 | | | | PP/PA6.6 | | | | POM-D/PA6.6 | | PP/PA6.6 | | | **Carry (pcs) | **Return (pcs) |
| | | Straight sections | | Curve sections | | Straight sections | | Curve sections | | | | | | | | |
| 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).



uni chains

## Design Guidelines

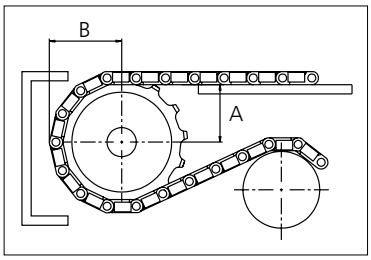



| | 43% Open Top Radius 2.2 |
|---|---|
| **A** | min. 1.5 x W |
| **B** | min 3.2 x W |
| **C** | min 2.2 x W |
| **D** | min 2 x W |
| **E** | min 2 x W, min. |
| **W** | Belt width |

## Sprocket

| No. of teeth | Bore size | | | | | | | | | | | | | Overall diameter | | Pitch diameter | | Hub diameter | | Dimension A | | Dimension B | | Single row/Two way | Double row/Two way | LG Molded PA6 | N Machined PA6 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 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 | 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.





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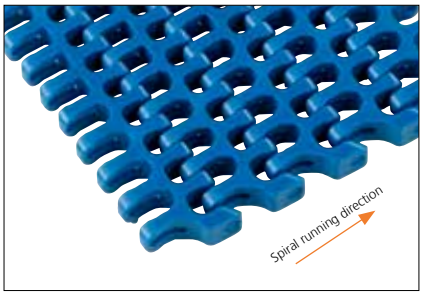
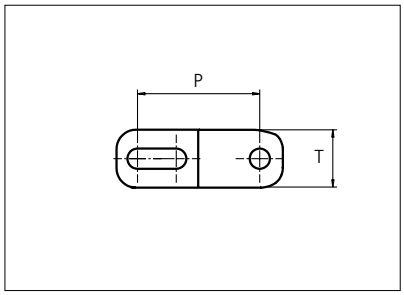
Ammeraal Beltech
Innovation & Service in Belting

# 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 |
| **Recommended Pin material & color** | PA6.6 B |

| | mm | in |
|---|---|---|
| **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: Snap Pin A2

| 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 | | | | | | | | |
| 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).

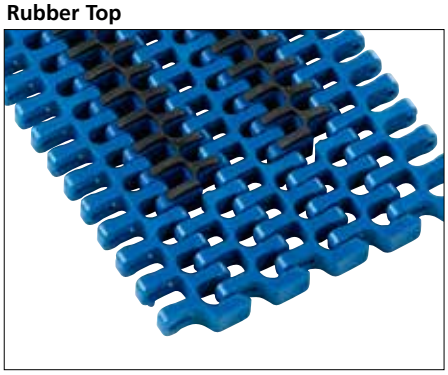
= Single Link

uni chains

NON STANDARD
SIDE FLEXING
PITCH 25.4 MM/1.00 IN

## Accessories

### Rubber Top

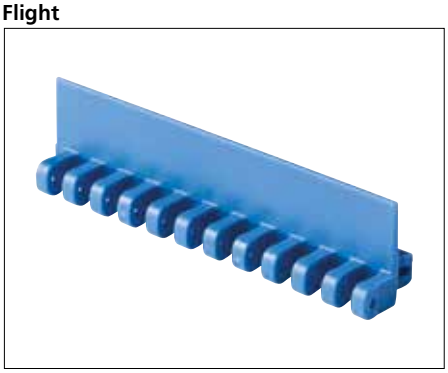



| Type | Recommended belt materials and colors | Recommended pin materials and colors | V | |
|---|---|---|---|---|
| | | | mm | in |
| **43% Open Rubber Top Radius 2.2** | PP B + 03 K | PA6.6 B | 3.0 | 0.12 |

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

## Accessories

### Flight

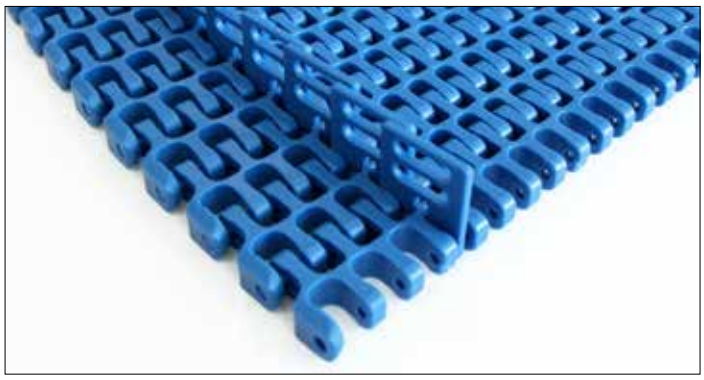



| Type | Flight Material & color | B | | H | | Link size | Width | |
|---|---|---|---|---|---|---|---|---|
| | | mm | in | mm | in | | mm | in |
| Flat | POM-D B W | 3.7 | 0.15 | 25.4 | 1.00 | K600 | 151.0 | 5.94 |

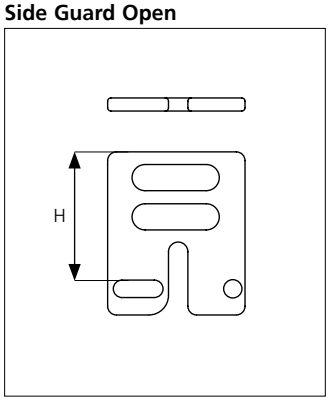
Non Standard material and color: See uni Material and Color Overview.

## Accessories

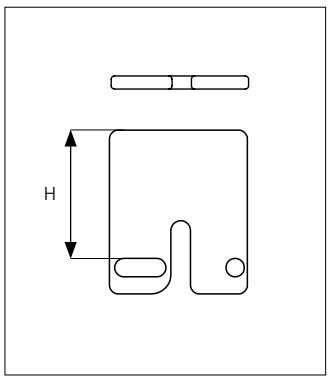
### Side Guard



### Side Guard Open




### Side Guard



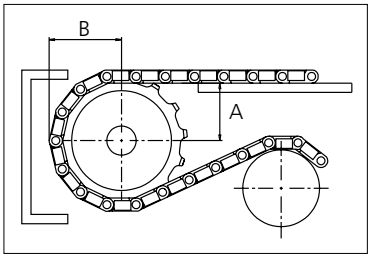

| Type | Recommended Material & color | H | |
|---|---|---|---|
| | | mm | in |
| Side Guard<br>Side Guard Open | POM-D B | 25.4 | 1.00 |

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 | | 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 | 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)

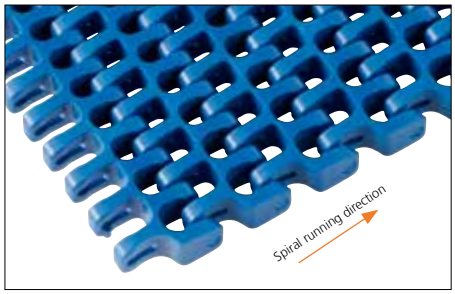
Max. load per sprocket shown does not take bore size into account.
Please also ensure that sufficient size shaft is chosen for corresponding load.

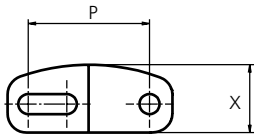
For correct sprocket position: See uni Assembly Instructions for uni Flex ASB.
For more detailed sprocket information, contact Customer Service.

Ammeraal Beltech
Innovation & Service in Belting

# Plastic Modular Belt

## Series **uni Flex ASB** Type **CS 43% Open Radius 2.5/3.0/3.5/4.0**




Sideflexing belt
Nominal pitch: 25.4 mm (1.00 in)
Surface type: Curved Surface
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
Curved surface makes perfect circle when Z9 tooth sprocket or 95 mm (3.74 in) flex diameter is applied.

| | |
|---|---|
| **Recommended Belt material & color** | POM-D B |
| **Recommended Pin material & color** | PA6.6 B |

| | mm | in |
|---|---|---|
| **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: Snap Pin A2

| 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 | | | | | | | | |
| 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).

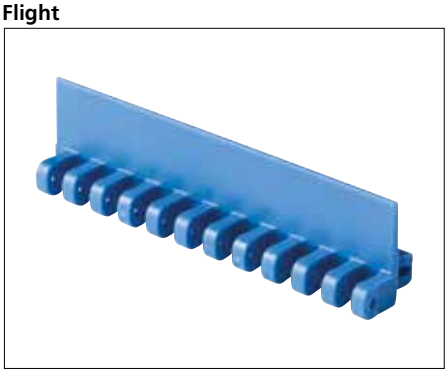
= Single Link

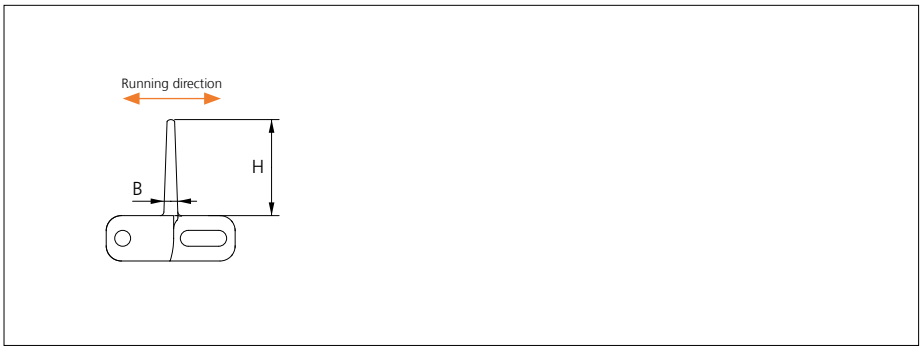
uni chains

NON STANDARD
SIDE FLEXING
PITCH 25.4 MM/1.00 IN

## Accessories

### Flight



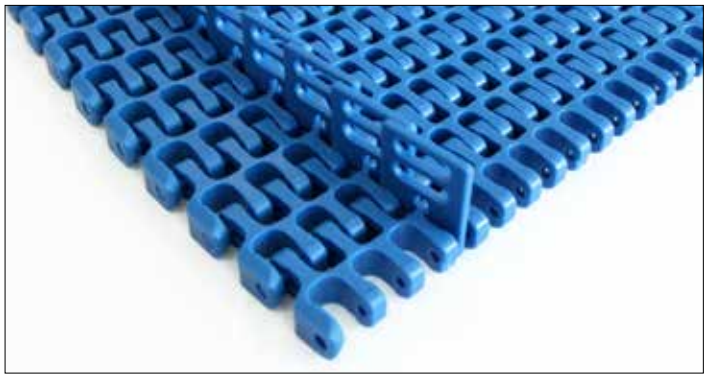



| Type | Recommended Material & color | B | | H | | Link size | Width | | I (min) | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | mm | in | mm | in | | mm | in | mm | in |
| Flat | POM-D B | 3.7 | 0.15 | 25.4 | 1.00 | K600 | 151.0 | 5.94 | 38.1 | 1.50 |

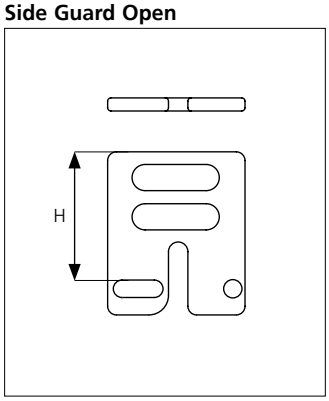
Non Standard material and color: See uni Material and Color Overview.

## Accessories

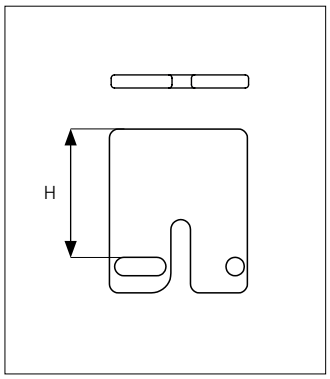
### Side Guard



### Side Guard Open




### Side Guard



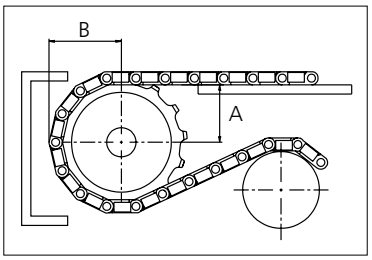

| Type | Recommended Material & color | H | |
|---|---|---|---|
| | | mm | in |
| Side Guard<br>Side Guard Open | POM-D B | 25.4 | 1.00 |

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 | | Single row/Two way | Double row/Two way | PA6 LG Molded | PA6 Machined |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 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 | 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.

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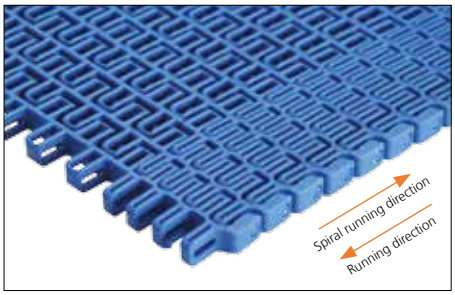
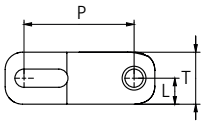
# Plastic Modular Belt

## 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** |
| **Pin and lock material & color** | PA6.6 **B** | |

| | mm | in | | mm | in |
|---|---|---|---|---|---|
| **P (Nominal)** | 25.4 | 1.00 | **T** | 12.0 | 0.47 |
| **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 | | | | | | | | |
| 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).

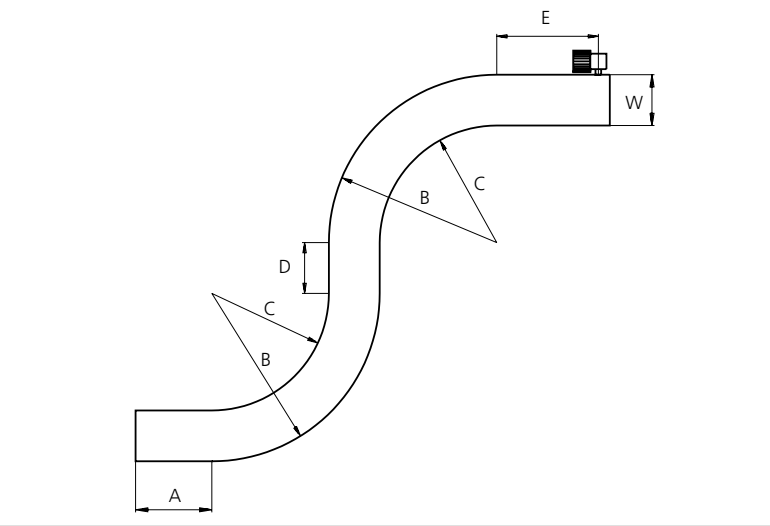
| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1454 | 57.2 | 13117 | 2949 | 2040 | 459 | 9966 | 2240 | 1224 | 275 | 7.9 | 5.29 | 5.5 | 3.69 | 11 | 10 | 5 |

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

uni chains

STANDARD
SIDE FLEXING
PITCH 25.4 MM/1.00 IN

## Design Guidelines

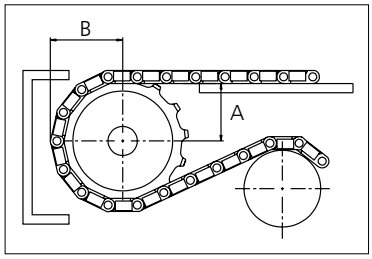



| | uni Flex OSB 65% Open Radius 2.2 |
|---|---|
| **A** | min. 1.5 x W |
| **B** | min 3.2 x W |
| **C** | min 2.2 x W |
| **D** | min 2 x W |
| **E** | min 2 x W, min. |
| **W** | Belt width |

## Sprocket

| No. of teeth | Bore size | | | | | | | | | | | | | Overall diameter | | Pitch diameter | | Hub diameter | | Dimension A | | Dimension B | | Single row/Two way | Double row/Two way | LG Molded | N PA6 Machined |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 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 | mm | in | | | PA6 | PA6 |
| **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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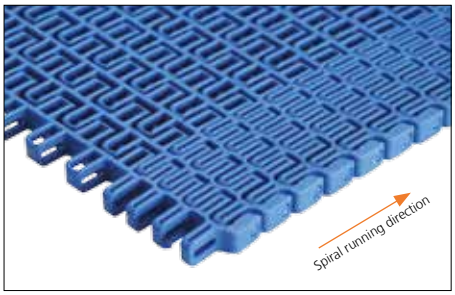
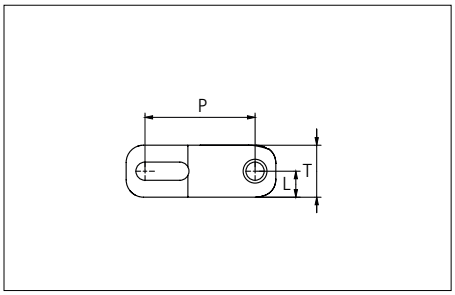
# Plastic Modular Belt

## Series **uni Flex OSB** Type **60% Open Radius 2.5/3.0/3.5/4.0**




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:
2.5 / 3.0 / 3.5 / 4.0 x belt width

| | |
|---|---|
| **Recommended Belt material & color** | POM-D **B** |
| **Recommended Pin material & color** | PA6.6 **B** |

| | mm | in | | mm | in |
|---|---|---|---|---|---|
| **P (Nominal)** | 25.4 | 1.00 | **T** | 12.0 | 0.47 |
| **L** | 6.0 | 0.24 | **-** | - | - |

Other non standard material and color: See uni Material and Color Overview.
Alternative pin and lock: Snap Pin A2

| 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 | | | | | | | | |
| 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

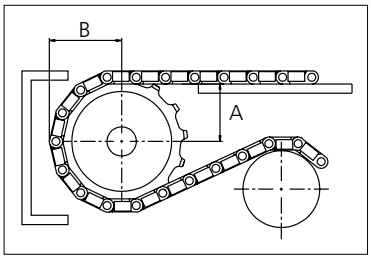
uni chains

NON STANDARD
SIDE FLEXING
PITCH 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 LG PA6 | Machined N PA6 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 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 | 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.

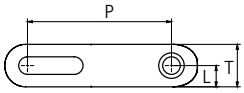
Other sprocket sizes are available upon request
Two-part sprocket are available upon request
Other bore sizes are available upon request
uni Retainer Rings: See uni Retainer Ring data sheet
Width of tooth = 14.0 mm (0.55 in)
Width of sprocket = 30.0 mm (1.18 in)

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.

# 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: 65.0 mm (2,56 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** |
| **Pin and lock material & color** | PA6.6 **B** | |

| | mm | in | | mm | in |
|---|---|---|---|---|---|
| **P (Nominal)** | 50.8 | 2.00 | **T** | 15.0 | 0.59 |
| **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 | | | | |
| | | Straight sections | | Curve sections | | Straight sections | | Curve sections | | | | | | | **Carry (pcs) | **Return (pcs) |
| mm | in | N | lbf | N | lbf | N | lbf | N | lbf | kg/m | lb/ft | kg/m | lb/ft | | | |
| 305 | 12.0 | 5429 | 1220 | 3300 | 742 | 4087 | 919 | 2080 | 468 | 2.0 | 1.36 | 1.5 | 0.99 | 3 | 3 | 2 |
| 407 | 16.0 | 6490 | 1459 | 3300 | 742 | 4923 | 1107 | 2080 | 468 | 2.7 | 1.82 | 2.0 | 1.32 | 3 | 3 | 2 |
| 509 | 20.0 | 7551 | 1697 | 3300 | 742 | 5760 | 1295 | 2080 | 468 | 3.4 | 2.27 | 2.5 | 1.65 | 5 | 4 | 2 |
| 610 | 24.0 | 8601 | 1934 | 3300 | 742 | 6588 | 1481 | 2080 | 468 | 4.1 | 2.72 | 2.9 | 1.98 | 5 | 5 | 3 |
| 712 | 28.0 | 9662 | 2172 | 3300 | 742 | 7424 | 1669 | 2080 | 468 | 4.7 | 3.18 | 3.4 | 2.31 | 5 | 5 | 3 |
| 813 | 32.0 | 10712 | 2408 | 3300 | 742 | 8253 | 1855 | 2080 | 468 | 5.4 | 3.63 | 3.9 | 2.64 | 7 | 6 | 3 |
| 915 | 36.0 | 11773 | 2647 | 3300 | 742 | 9089 | 2043 | 2080 | 468 | 6.1 | 4.08 | 4.4 | 2.97 | 7 | 7 | 4 |
| 1016 | 40.0 | 12823 | 2883 | 3300 | 742 | 9917 | 2229 | 2080 | 468 | 6.7 | 4.53 | 4.9 | 3.30 | 7 | 7 | 4 |
| 1118 | 44.0 | 13884 | 3121 | 3300 | 742 | 10754 | 2417 | 2080 | 468 | 7.4 | 4.99 | 5.4 | 3.63 | 9 | 8 | 4 |
| 1219 | 48.0 | 14935 | 3357 | 3300 | 742 | 11582 | 2604 | 2080 | 468 | 8.1 | 5.44 | 5.9 | 3.96 | 9 | 9 | 5 |
| 1321 | 52.0 | 15995 | 3596 | 3300 | 742 | 12418 | 2792 | 2080 | 468 | 8.8 | 5.89 | 6.4 | 4.29 | 9 | 9 | 5 |
| 1422 | 56.0 | 17046 | 3832 | 3300 | 742 | 13246 | 2978 | 2080 | 468 | 9.4 | 6.35 | 6.9 | 4.62 | 11 | 10 | 5 |
| 1524 | 60.0 | 18107 | 4070 | 3300 | 742 | 14083 | 3166 | 2080 | 468 | 10.1 | 6.80 | 7.4 | 4.95 | 11 | 11 | 6 |
| 1626 | 64.0 | 19167 | 4309 | 3300 | 742 | 14919 | 3354 | 2080 | 468 | 10.8 | 7.26 | 7.9 | 5.28 | 11 | 11 | 6 |
| 1727 | 68.0 | 20218 | 4545 | 3300 | 742 | 15747 | 3540 | 2080 | 468 | 11.5 | 7.71 | 8.3 | 5.61 | 13 | 12 | 6 |

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 mm 50.8 (2.00 in).

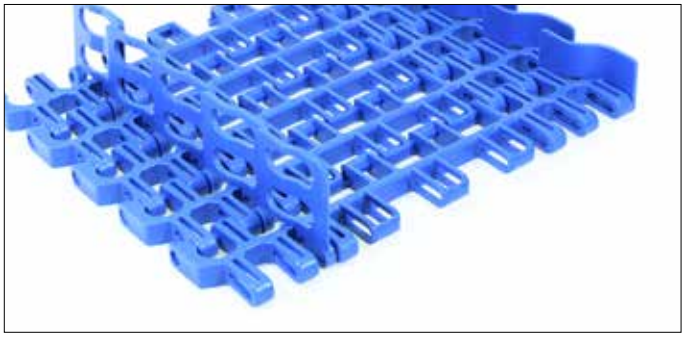
| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1930 | 76.0 | 22329 | 5020 | 3300 | 742 | 17412 | 3914 | 2080 | 468 | 12.8 | 8.61 | 9.3 | 6.26 | 13 | 13 | 7 |

General belt tolerance is +0/-0.4% at 23°C/73°F. For exact belt width contact Customer Service.
*Max load per Drive Sprocket. Belt material: POM-D 1000 N (225 lbf), PP 550 N (123 lbf).
**Max spacing between wear strips, Carry: 152 mm (6 in); Return: 304 mm (12 in).
Belt needs support rollers or flanged rollers at each belt edge for support.
= Single Link

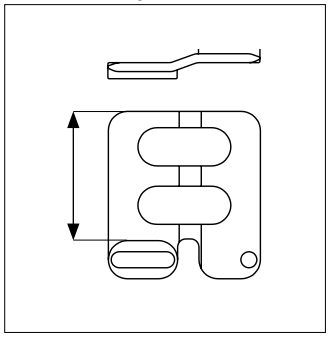
STANDARD
SIDE FLEXING
PITCH 50.8 MM/2.00 IN

## Accessories

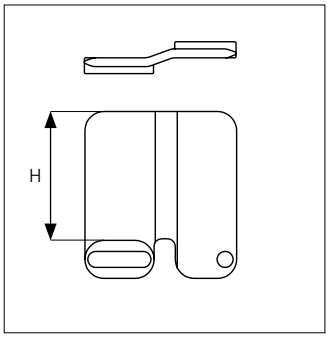
**Side Guard**



**Side Guard Open**



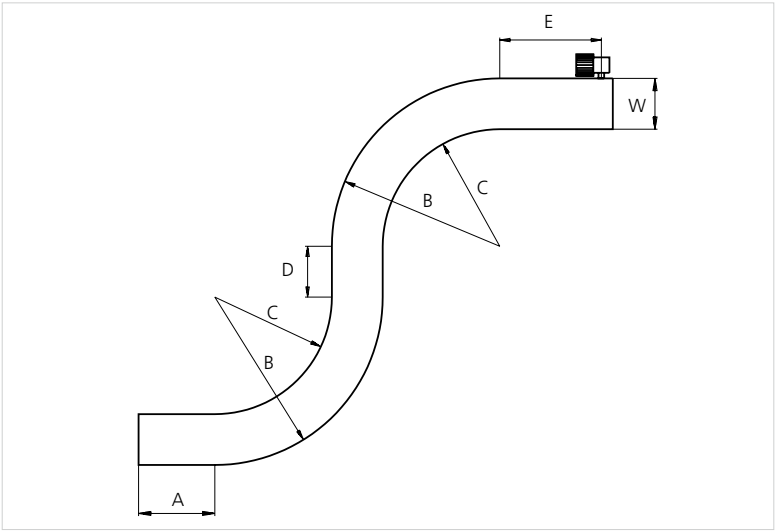
**Side Guard**




| Type | Side Guard Material & color | H | |
|---|---|---|---|
| | | mm | in |
| Side Guard | POM-D **B** **W** | 10.0<br>25.4<br>50.0 | 0.39<br>1.00<br>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.

## Design Guidelines

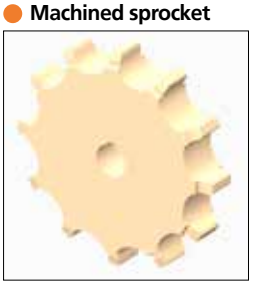


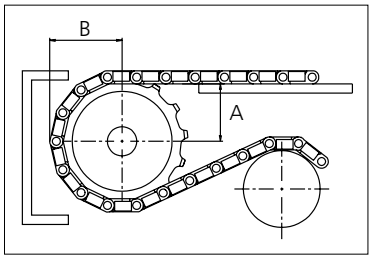

| | uni Flex L-OSB 65% Open Radius 2.2 |
|---|---|
| **A** | min. 1.5 x W |
| **B** | min 3.2 x W |
| **C** | min 2.2 x W |
| **D** | min 2 x W |
| **E** | min 2 x W, min. |
| **W** | Belt width |

## Sprocket

| No. of teeth | Bore size | | | | | | | | | | | | | Overall diameter | | Pitch diameter | | Hub diameter | | Dimension A | | Dimension B | | Single row/Two way | Double row/Two way | LG PA6 Molded | N PA6 Machined |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 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 | 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)

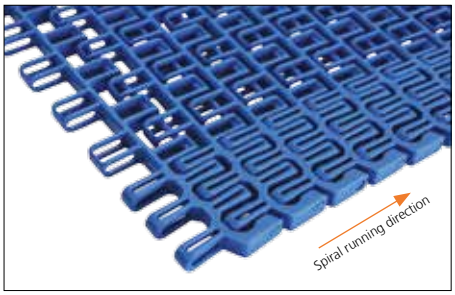
Max. load per sprocket shown does not take bore size into account.
Please also ensure that sufficient size shaft is chosen for corresponding load.

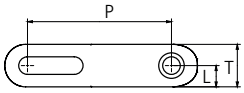
For correct sprocket position: See uni Assembly Instructions for uni Flex L-OSB.
For more detailed sprocket information, contact Customer Service.

Ammeraal Beltech
Innovation & Service in Belting

# Plastic Modular Belt

## Series **uni Flex L-OSB** Type **65% Open Radius 2.5/3.0/3.5/4.0**




Sideflexing belt
Nominal pitch: 50.8 mm (2.00 in)
Surface type: Open
Surface opening: 65%
Backflex radius: 65.0 mm (2,56 in)
Pin diameter: 6.0 mm (0.24 in)
Min. inside radius:
2.5 / 3.0 / 3.5 / 4.0 x belt width

| | |
|---|---|
| **Recommended Belt material & color** | POM-D **B** |
| **Recommended Pin material & color** | PA6.6 **B** |

| | mm | in | | mm | in |
|---|---|---|---|---|---|
| **P (Nominal)** | 50.8 | 2.00 | **T** | 15.0 | 0.59 |
| **L** | 7.5 | 0.29 | **-** | - | - |

Other non standard material and color: See uni Material and Color Overview.
Alternative pin and lock: Snap Pin A1

| 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 | | | | | | | | |
| 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).

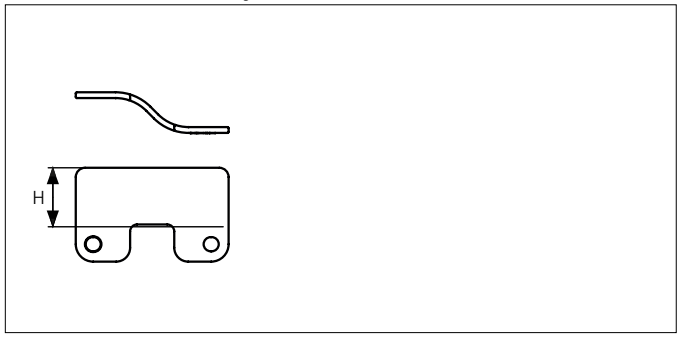
General belt tolerance is +0/-0.4% at 23°C/73°F. For exact belt width contact Customer Service. Non standard belt width on request.
*Max. Load per Drive Sprocket. Belt material: POM-D 1000 N (225 lbf), PP 550 N (123 lbf).
Belt needs support rollers or flanged rollers at each belt edge for support.
= Single Link

uni chains

## Accessories

### Side Guard Outside Only

### Side Guard Outside Only



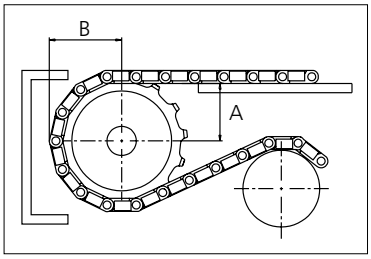

| Type | Recommended Material & color | H | |
|---|---|---|---|
| | | mm | in |
| Side Guard Outside Only | POM-D **B** | 25.4 | 1.00 |

* 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.

## Sprocket

| No. of teeth | Bore size | | | | | | | | | | | | | Overall diameter | | Pitch diameter | | Hub diameter | | Dimension A | | Dimension B | | Single row/Two way | Double row/Two way | LG Molded | N Machined |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 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 | | | | | | | | | | | | | PA6 | PA6 |
| | | 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 | | | | |
| **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.