

# uni-chains Modular

Innovative belt and chain solutions  
for every industry & application





# Content

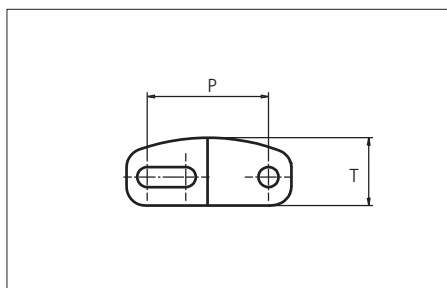
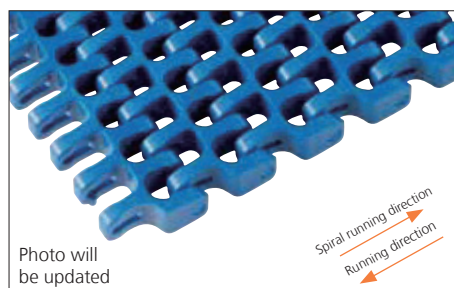
|                                                             |                |
|-------------------------------------------------------------|----------------|
| uni Flex ASB 43% Open Curved Surface Radius 2,2             | page 5 - 8     |
| uni Flex ASB 43% Open Radius 1,6                            | page 9 - 12    |
| uni Flex ASB 43% Open Radius 2,2                            | page 13 - 16   |
| uni Flex ASB 43% Open Top Radius 2,2                        | page 17 - 18   |
| uni Flex ASB 43% Open Radius 2.5 3.0 3.5 4.0                | page 19 - 22   |
| uni Flex ASB 43% Open Curved Surface Radius 2.5 3.0 3.5 4.0 | page 23 - 26   |
| uni Flex L-ASB 47% Open Radius 1.6                          | page 27 - 30   |
| uni Flex L-ASB 47% Open Radius 2,2                          | page 31 - 34   |
| uni Flex L-ASB 47% Open Radius 2.5,3.0,3.5,4.0              | page 35 - 38   |
| uni Flex ONE EO R1.6                                        | page 39 - 46   |
| uni Flex ONE EOO R1.6                                       | page 47 - 54   |
| uni Flex ONE ER R1.6                                        | page 55 - 62   |
| uni Flex ONE EW R1.6                                        | page 63 - 70   |
| uni Flex ONE EWC R1.6                                       | page 71 - 78   |
| uni Flex ONE O R1.6                                         | page 79 - 86   |
| uni Flex SNB C R2.3                                         | page 87 - 94   |
| uni Flex SNB CR R1.6                                        | page 95 - 102  |
| uni Flex SNB L R2.3                                         | page 103 - 110 |
| uni Flex SNB W R2.3                                         | page 111 - 118 |
| uni Flex SNB WO R2.3                                        | page 119 - 126 |
| uni Flex SNB WT R2.3                                        | page 127 - 134 |

# Content

|                                                |                |
|------------------------------------------------|----------------|
| uni Flex OSB 60% Open Radius 2,2               | page 135 - 138 |
| uni Flex OSB 60% Open Radius 2.5 3.0 3.5 4.0   | page 139 - 142 |
| uni Flex L-OSB 65% Open Radius 2,2             | page 143 - 146 |
| uni Flex L-OSB 65% Open Radius 2.5/3.0/3.5/4.0 | page 147 - 150 |
| uni Flex L-OSB 65% Open Radius 1,6             | page 151 - 154 |

# Plastic Modular Belt

Series **uni Flex ASB** Type **43% Open Curved Surface (Radius 2.2)**



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: 2.2 x belt width

| Belt material & color         | POM-D <b>W</b> <b>B</b> | mm          | in   |
|-------------------------------|-------------------------|-------------|------|
| Pin and lock material & color | PA6.6 <b>B</b>          | P (Nominal) | 25.4 |
|                               |                         | T           | 14.2 |
|                               |                         |             | 0.56 |

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

Alternative pin and lock systems and materials: Contact Customer Service.

| Belt width |      | Permissible tensile force<br>(Belt/pin material) |      |                |     | Belt weight<br>(Belt/pin material) |       | *Min. No.<br>drive<br>sprocket<br>per shaft | Number of wear strips<br>(Min. No.) |                   |
|------------|------|--------------------------------------------------|------|----------------|-----|------------------------------------|-------|---------------------------------------------|-------------------------------------|-------------------|
|            |      | POM-D/PA6.6                                      |      |                |     | POM-D/PA6.6                        |       |                                             | **Carry<br>(pcs)                    | **Return<br>(pcs) |
|            |      | Straight sections                                |      | Curve sections |     |                                    |       |                                             |                                     |                   |
| mm         | in   | N                                                | lbf  | N              | lbf | kg/m                               | lb/ft |                                             |                                     |                   |
| 149        | 5.9  | 2801                                             | 630  | 1200           | 270 | 1.2                                | 0.83  | 2                                           | 2                                   | 2                 |
| 226        | 8.9  | 4249                                             | 955  | 1200           | 270 | 1.9                                | 1.26  | 2                                           | 2                                   | 2                 |
| 302        | 11.9 | 5678                                             | 1276 | 1200           | 270 | 2.5                                | 1.68  | 3                                           | 3                                   | 2                 |
| 379        | 14.9 | 7125                                             | 1602 | 1200           | 270 | 3.1                                | 2.11  | 3                                           | 3                                   | 2                 |
| 455        | 17.9 | 8554                                             | 1923 | 1200           | 270 | 3.8                                | 2.54  | 5                                           | 4                                   | 2                 |
| 531        | 20.9 | 9983                                             | 2244 | 1600           | 360 | 4.4                                | 2.96  | 5                                           | 4                                   | 2                 |
| 608        | 23.9 | 11430                                            | 2570 | 1600           | 360 | 5.0                                | 3.39  | 5                                           | 5                                   | 3                 |
| 684        | 26.9 | 12859                                            | 2891 | 2040           | 459 | 5.7                                | 3.82  | 5                                           | 5                                   | 3                 |
| 761        | 30.0 | 14307                                            | 3216 | 2040           | 459 | 6.3                                | 4.24  | 7                                           | 6                                   | 3                 |
| 837        | 33.0 | 15736                                            | 3537 | 2040           | 459 | 6.9                                | 4.67  | 7                                           | 6                                   | 3                 |
| 914        | 36.0 | 17183                                            | 3863 | 2040           | 459 | 7.6                                | 5.10  | 7                                           | 7                                   | 4                 |
| 990        | 39.0 | 18612                                            | 4184 | 2040           | 459 | 8.2                                | 5.52  | 7                                           | 7                                   | 4                 |

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 | 11.9 | 7.99 | 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 | 16.3 | 10.93 | 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.

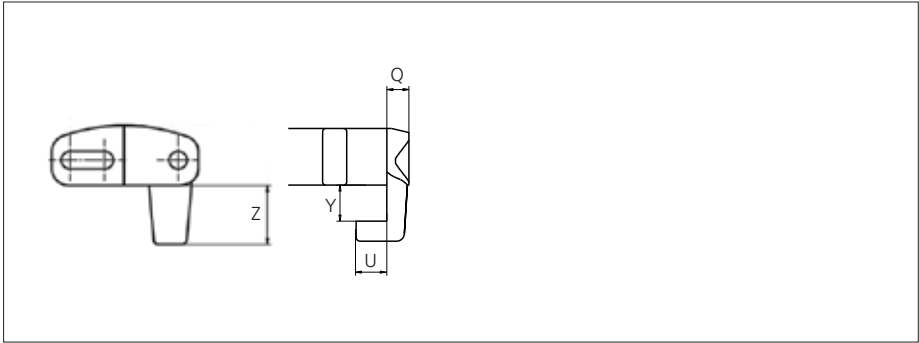
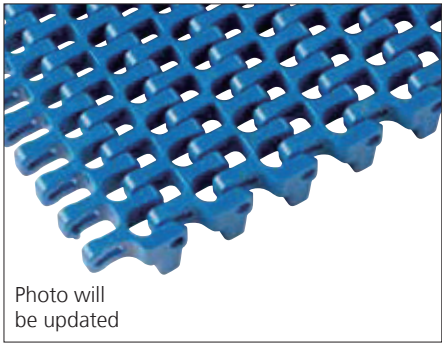
\*Max. Load per Drive Sprocket. Belt material: POM-D 2000 N (450 lbf).

\*\*Max. Spacing between wear strips, Carry: 152.0 mm (6.00 in); Return: 304.0 mm (12.00 in).

= Single Link

Accessories

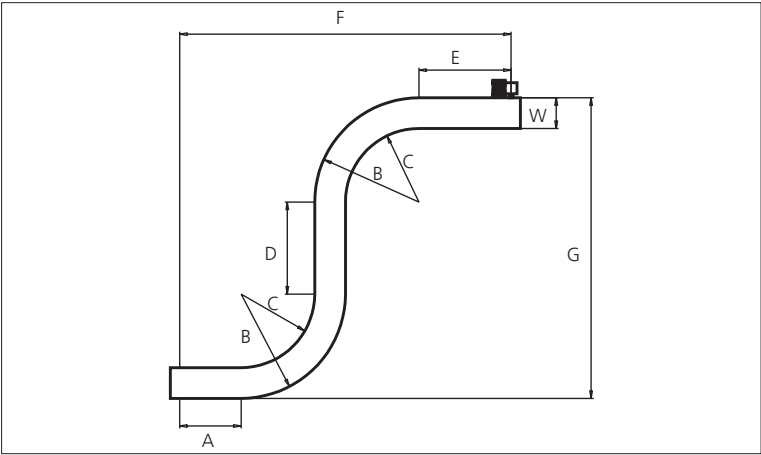
Bottom Tab



| Type       | Tab<br>Material & color | Q   |      | U   |      | Y   |      | Z    |      |
|------------|-------------------------|-----|------|-----|------|-----|------|------|------|
|            |                         | mm  | in   | mm  | in   | mm  | in   | mm   | in   |
| Bottom Tab | POM-D <b>B</b> <b>W</b> | 5.5 | 0.22 | 7.5 | 0.30 | 9.0 | 0.35 | 14.0 | 0.55 |

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

Design Guidelines



For min. conveyor dimensions please refer to sketch and diagram.

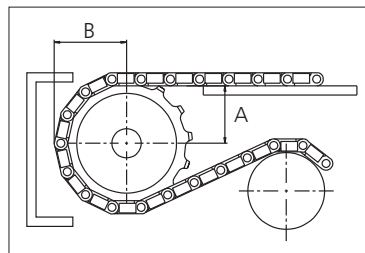
|   | uni Flex ASB Curved Surface R2.2 |
|---|----------------------------------|
| A | min. 1.5 x W                     |
| B | min. 3.2 x W                     |
| C | min. 2.2 x W                     |
| D | min. 2.0 x W                     |
| E | min. 2.0 x W                     |
| F | min. 8.9 x W                     |
| G | min. 8.4 x W                     |

## Sprocket

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

■ Machined sprocket

● Machined sprocket



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.

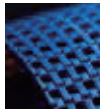
Non standard material  
and color: See uni Material  
and Color Overview.



Conveyor Belts



Seamless Belts



Modular Belts



Timing Belts



Transmission Belts

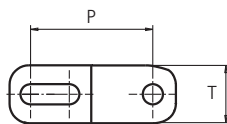
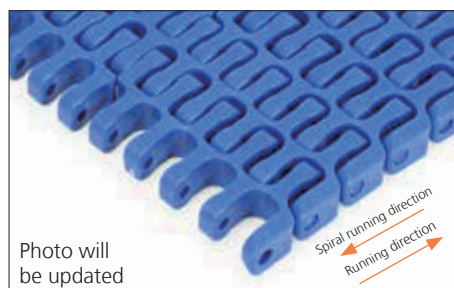


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# Plastic Modular Belt

Series **uni Flex ASB** Type **43% Open (Radius 1.6)**



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: 1.6 x belt width

| Belt material & color         | POM-D <b>B</b> | mm          | in   |
|-------------------------------|----------------|-------------|------|
| Pin and lock material & color | PA6.6 <b>B</b> | P (Nominal) | 25.4 |
|                               |                | T           | 12.0 |
|                               |                |             | 0.47 |

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

Alternative pin and lock systems and materials: Contact Customer Service.

| Belt width |      | Permissible tensile force<br>(Belt/pin material) |      |                |     | Permissible tensile force<br>(Belt/pin material) |      |                |     | Belt weight<br>(Belt/pin material) |       |          |       | *Min. No.<br>drive<br>sprocket<br>per shaft | Number of<br>wear strips<br>(Min. No.) |                   |
|------------|------|--------------------------------------------------|------|----------------|-----|--------------------------------------------------|------|----------------|-----|------------------------------------|-------|----------|-------|---------------------------------------------|----------------------------------------|-------------------|
|            |      | POM-D/PA6.6                                      |      |                |     | PP/PA6.6                                         |      |                |     | POM-D/PA6.6                        |       | PP/PA6.6 |       |                                             | **Carry<br>(pcs)                       | **Return<br>(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 | 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                 |
| 914        | 36.0 | 17183                                            | 3863 | 2040           | 459 | 11425                                            | 2568 | 1224           | 275 | 7.5                                | 5.04  | 4.8      | 3.19  | 7                                           | 7                                      | 4                 |
| 990        | 39.0 | 18612                                            | 4184 | 2040           | 459 | 12375                                            | 2782 | 1224           | 275 | 8.1                                | 5.46  | 5.1      | 3.46  | 7                                           | 7                                      | 4                 |
| 1066       | 42.0 | 20041                                            | 4505 | 2040           | 459 | 13325                                            | 2995 | 1224           | 275 | 8.7                                | 5.87  | 5.5      | 3.73  | 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

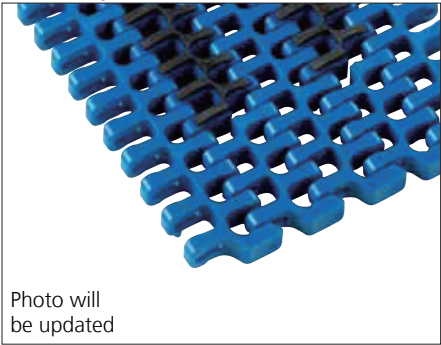
\*Max. Load per Drive Sprocket. Belt material: POM-D 2000 N (450 lbf), PP 1100 N (247 lbf)

\*\*Max. Spacing between wear strips, Carry: 152.0 mm (6.00 in); Return: 304.0 mm (12.00 in)

 = Single Link

Accessories

Rubber Top

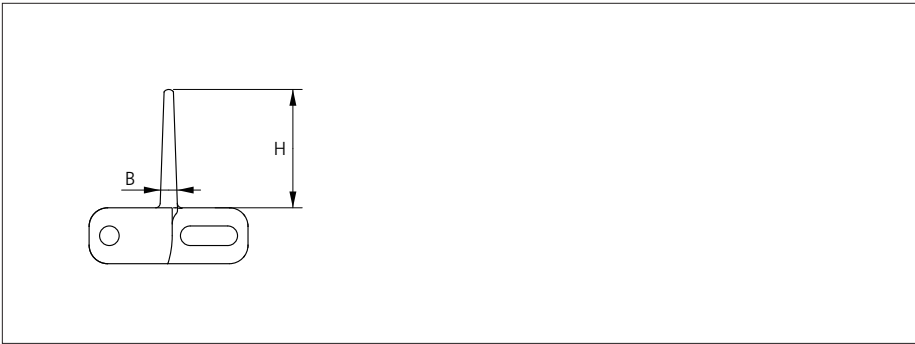
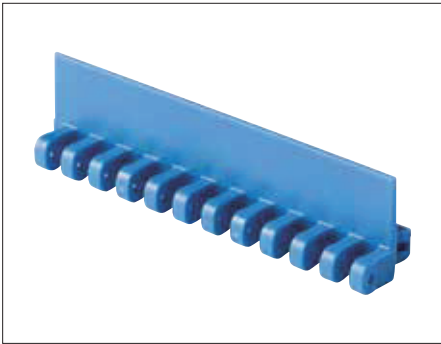


| Type   | Belt material & color | Rubber material, hardness & color | V   |      |
|--------|-----------------------|-----------------------------------|-----|------|
|        |                       |                                   | mm  | in   |
| Curved | PP <span>B</span>     | TPE-S Shore A60 <span></span>     | 3.0 | 0.12 |

uni Flex ASB Rubber Top Radius 2.2: Indent min. 44.0 mm (1.73 in) and Increment 12.7 mm (0.50 in).

Accessories

Flight

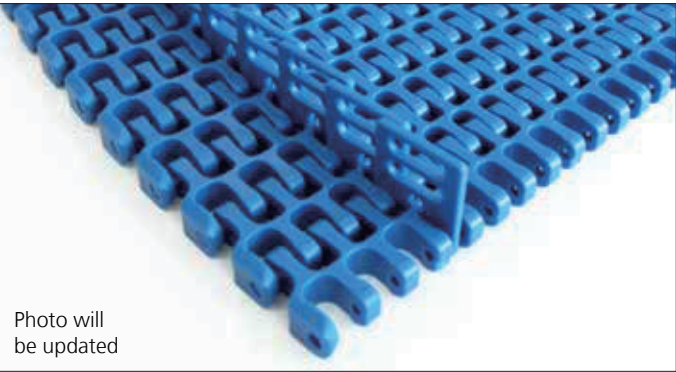


| Type | Flight Material & color | B   |      | H    |      | Link size | Width |      |
|------|-------------------------|-----|------|------|------|-----------|-------|------|
|      |                         | mm  | in   | mm   | in   |           | mm    | in   |
| Flat | POM-D <span>B</span>    |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

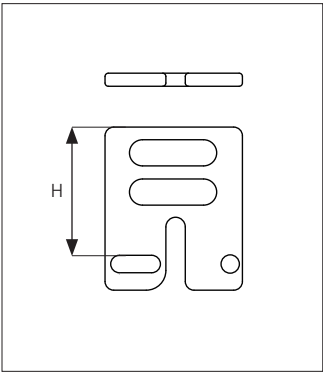
Min. indent for Flight is: 44.0 mm (1.73 in) and Increment 12.7 mm (0.50 in).  
Non Standard material and color: See uni Material and Color Overview.

Accessories

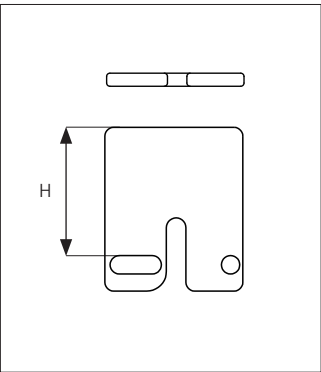
Side Guard



Side Guard Open



Side Guard Closed

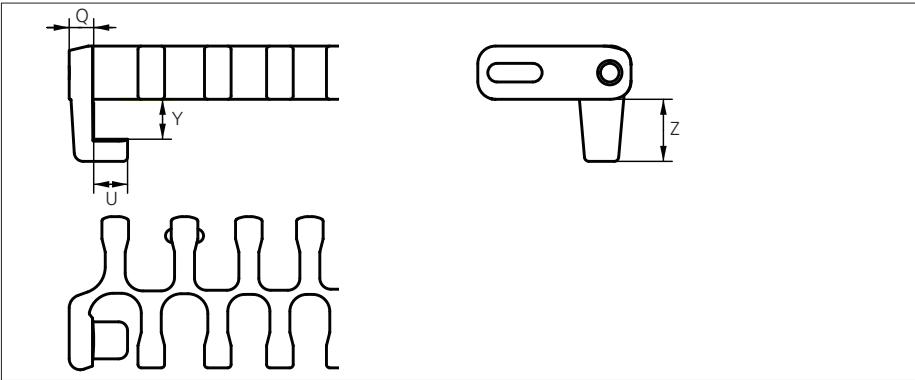
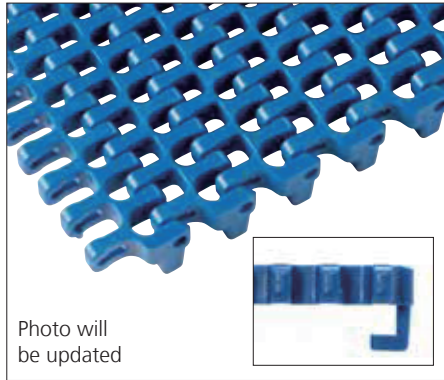


| Type              | Side Guard Material & color | H    |      |
|-------------------|-----------------------------|------|------|
|                   |                             | mm   | in   |
| Side Guard Closed | POM-D <span>B</span>        | 25.4 | 1.00 |
| Side Guard Open   |                             |      |      |

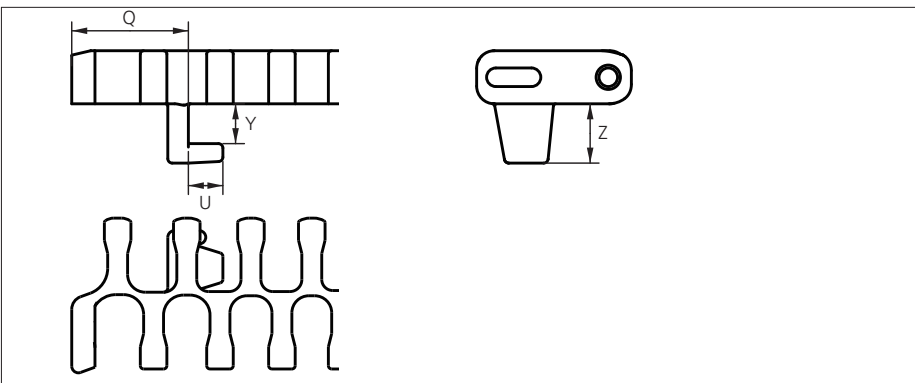
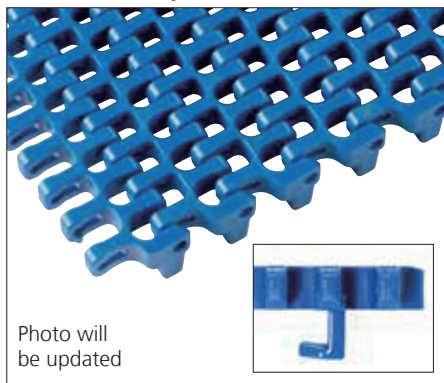
Min. indent for Side Guard is: 44.0 mm (1.73 in) and Increment 12.7 mm (0.50 in).  
Non Standard material and color: See uni Material and Color Overview.

# Accessories

## Bottom Tab



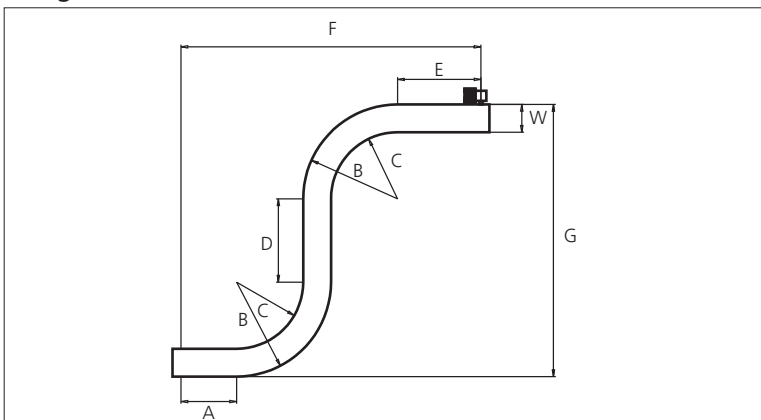
## Bottom Tab IL Style



| Type                | Tab<br>Material & color                                               | Q    |      | U   |      | Y   |      | Z    |      |
|---------------------|-----------------------------------------------------------------------|------|------|-----|------|-----|------|------|------|
|                     |                                                                       | mm   | in   | mm  | in   | mm  | in   | mm   | in   |
| Bottom Tab          | POM-D <span style="background-color: #0070C0; color: white;">B</span> | 5.5  | 0.22 | 7.5 | 0.30 | 9.0 | 0.35 | 14.0 | 0.55 |
| Bottom Tab IL Style | POM-D <span style="background-color: #0070C0; color: white;">B</span> | 26.5 | 1.04 | 7.8 | 0.30 | 9.0 | 0.35 | 13.4 | 0.53 |

Non Standard material and color: See uni Material and Color Overview.  
Tab position is available **only** at Radius 2.2.

## Design Guidelines



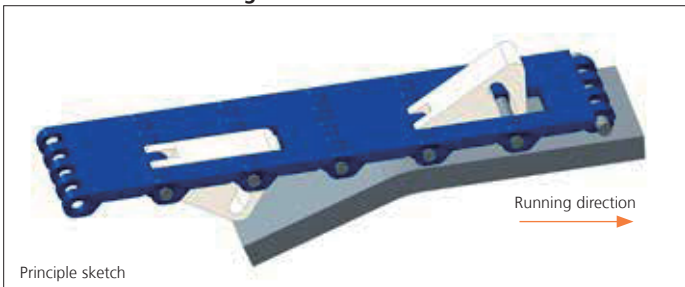
|          | uni Flex ASB R2.2 | uni Flex ASB R1.6<br>(inside) |
|----------|-------------------|-------------------------------|
| <b>A</b> | min. 1.5 x W      | min. 1.5 x W                  |
| <b>B</b> | min. 3.2 x W      | min. 2.6 x W                  |
| <b>C</b> | min. 2.2 x W      | min. 1.6 x W                  |
| <b>D</b> | min. 2.0 x W      | min. 2.0 x W                  |
| <b>E</b> | min. 2.0 x W      | min. 2.0 x W                  |
| <b>F</b> | min. 8.9 x W      | min. 7.7 x W                  |
| <b>G</b> | min. 8.4 x W      | min. 7.2 x W                  |

**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.

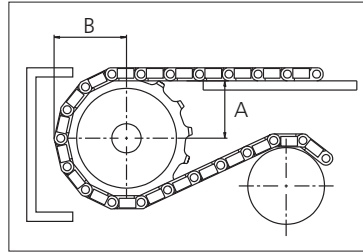
## Sprocket

| No. of teeth | Bore size  |    |      |        |        |      |      |        |        |      | Overall diameter |      | Pitch diameter |      | Hub diameter |      | Dimension A |      | Dimension B |      | Double row/Two way | <div><div></div><div>PA6 N</div></div> |
|--------------|------------|----|------|--------|--------|------|------|--------|--------|------|------------------|------|----------------|------|--------------|------|-------------|------|-------------|------|--------------------|----------------------------------------|
|              | Pilot Bore | in | 0.79 | 0.98   | 1.00   | 1.18 | 1.25 | 1.50   | 1.57   | 2.36 |                  |      |                |      |              |      |             |      |             |      |                    |                                        |
|              |            | mm | 20.0 | 25.0   | 25.4   | 30.0 | 31.8 | 38.1   | 40.0   | 60.0 | mm               | in   | mm             | in   | mm           | in   | mm          | in   | mm          | in   |                    |                                        |
| Z07          | ✔          |    | ●    | ●      | ●      | ●    |      |        |        |      | 58.0             | 2.28 | 58.5           | 2.30 | 40.8         | 1.61 | 20.4        | 0.80 | 35.2        | 1.39 | ✔                  | ✔                                      |
| Z09          | ✔          |    |      | ●<br>■ | ●<br>■ | ●    | ●    |        |        |      | 75.0             | 2.95 | 74.3           | 2.93 | 57.8         | 2.28 | 28.9        | 1.14 | 43.1        | 1.70 | ✔                  | ✔                                      |
| Z12          | ✔          |    |      | ●<br>■ | ●      | ●    | ●    | ■      |        |      | 100.0            | 3.94 | 98.1           | 3.86 | 82.8         | 3.26 | 41.4        | 1.63 | 55.1        | 2.17 | ✔                  | ✔                                      |
| Z15          | ✔          |    |      |        | ●      | ●    | ●    | ■      | ●<br>■ | ■    | 124.6            | 4.91 | 122.2          | 4.81 | 107.4        | 4.23 | 53.8        | 2.12 | 67.1        | 2.64 | ✔                  | ✔                                      |
| Z18          | ✔          |    |      |        |        | ●    | ●    | ●<br>■ | ●<br>■ | ■    | 149.3            | 5.88 | 146.3          | 5.76 | 132.1        | 5.20 | 66.0        | 2.60 | 79.2        | 3.12 | ✔                  | ✔                                      |

### ■ Machined sprocket



### ● Machined sprocket



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.

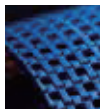
Non standard material  
 and color: See uni Material  
 and Color Overview.



Conveyor Belts



Seamless Belts



Modular Belts



Timing Belts



Transmission Belts

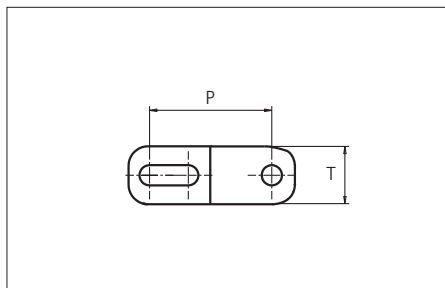
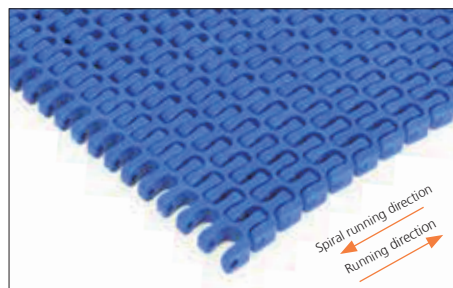


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# Plastic Modular Belt

Series **uni Flex ASB** Type **43% Open (Radius 2.2)**



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: 2.2 x belt width

| Belt material & color         | POM-D <span style="background-color: #e0e0e0; padding: 2px;"> </span> <span style="background-color: #0070c0; color: white; padding: 2px;">B</span> | PP <span style="background-color: #e0e0e0; padding: 2px;"> </span> <span style="background-color: #0070c0; color: white; padding: 2px;">B</span> <span style="background-color: #808080; color: white; padding: 2px;">G</span> | mm          | in   |
|-------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|------|
| Pin and lock material & color | PA6.6 <span style="background-color: #0070c0; color: white; padding: 2px;">B</span>                                                                 |                                                                                                                                                                                                                                | P (Nominal) | 25.4 |
|                               |                                                                                                                                                     |                                                                                                                                                                                                                                | T           | 12.0 |
|                               |                                                                                                                                                     |                                                                                                                                                                                                                                |             | 0.47 |

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

Alternative pin and lock systems and materials: Contact Customer Service.

| Belt width |      | Permissible tensile force<br>(Belt/pin material) |      |                |     |                   |      |                |     | Belt weight<br>(Belt/pin material) |       |          |       | *Min. No.<br>drive<br>sprocket<br>per shaft | Number of wear<br>strips (Min. No.) |                   |
|------------|------|--------------------------------------------------|------|----------------|-----|-------------------|------|----------------|-----|------------------------------------|-------|----------|-------|---------------------------------------------|-------------------------------------|-------------------|
|            |      | POM-D/PA6.6                                      |      |                |     | PP/PA6.6          |      |                |     | POM-D/PA6.6                        |       | PP/PA6.6 |       |                                             | **Carry<br>(pcs)                    | **Return<br>(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 | 1600           | 360 | 3775              | 849  | 960            | 216 | 2.5                                | 1.66  | 1.6      | 1.06  | 3                                           | 3                                   | 2                 |
| 379        | 14.9 | 7125                                             | 1602 | 1600           | 360 | 4738              | 1065 | 960            | 216 | 3.1                                | 2.09  | 2.0      | 1.32  | 3                                           | 3                                   | 2                 |
| 455        | 17.9 | 8554                                             | 1923 | 1600           | 360 | 5688              | 1279 | 960            | 216 | 3.7                                | 2.51  | 2.4      | 1.59  | 5                                           | 4                                   | 2                 |
| 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                 |
| 914        | 36.0 | 17183                                            | 3863 | 2040           | 459 | 11425             | 2568 | 1224           | 275 | 7.5                                | 5.04  | 4.8      | 3.19  | 7                                           | 7                                   | 4                 |

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: 152.0 mm (6.00 in); Return: 304.0 mm (12.00 in)

Max. Belt width with Flex ASB R1.6: 1296.0 mm (51.00 in)

= Single Link



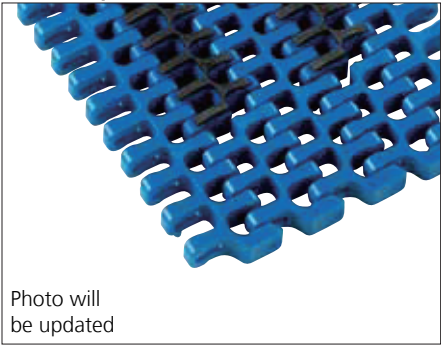
STANDARD

SIDE FLEXING

PITCH 25.4 MM/1.00 IN

Accessories

Rubber Top

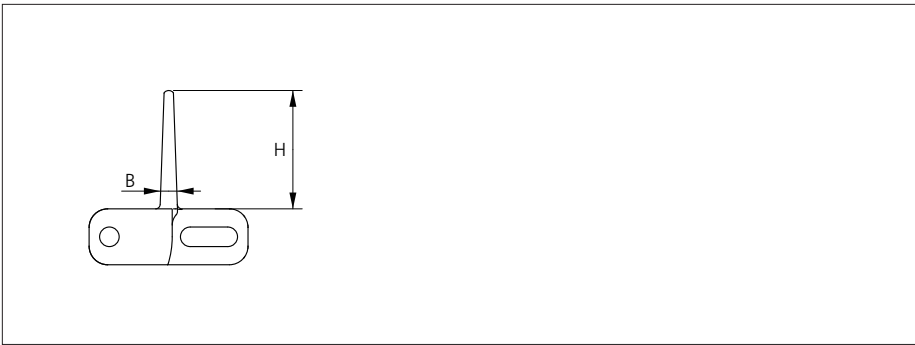
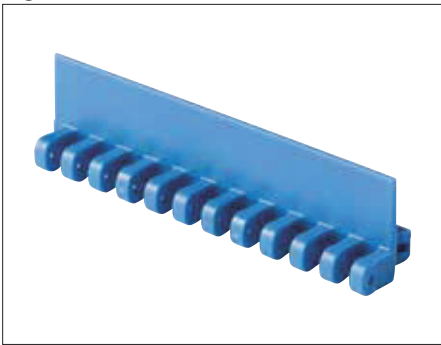


| Type   | Belt material & color                                              | Rubber material, hardness & color                                               | V   |      |
|--------|--------------------------------------------------------------------|---------------------------------------------------------------------------------|-----|------|
|        |                                                                    |                                                                                 | mm  | in   |
| Curved | PP <span style="background-color: #0070C0; color: white;">B</span> | TPE-S Shore A60 <span style="background-color: black; color: black;"> </span>   | 3.0 | 0.12 |
|        | PP <span style="background-color: white; color: black;"> </span>   | TPE-S Shore A60 <span style="background-color: #FFD700; color: black;">N</span> |     |      |

uni Flex ASB Rubber Top Radius 2.2: Indent min. 44.0 mm (1.73 in) and Increment 12.7 mm (0.50 in).

Accessories

Flight



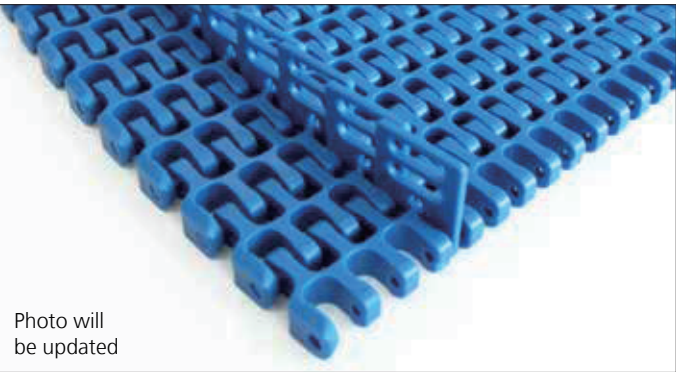
| Type | Flight Material & color                                                                                                             | B   |      | H    |      | Link size | Width |      |
|------|-------------------------------------------------------------------------------------------------------------------------------------|-----|------|------|------|-----------|-------|------|
|      |                                                                                                                                     | mm  | in   | mm   | in   |           | mm    | in   |
| Flat | POM-D <span style="background-color: #0070C0; color: white;">B</span> <span style="background-color: white; color: black;"> </span> | 3.7 | 0.15 | 25.4 | 1.00 | K600      | 151.0 | 5.94 |

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

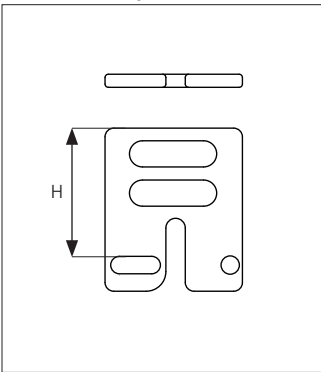
Non Standard material and color: See uni Material and Color Overview.

Accessories

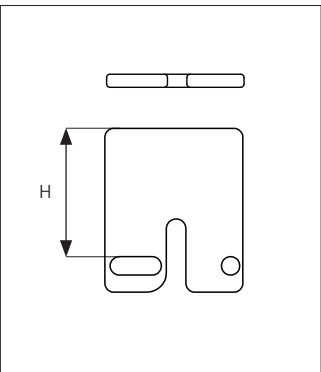
Side Guard



Side Guard Open



Side Guard Closed



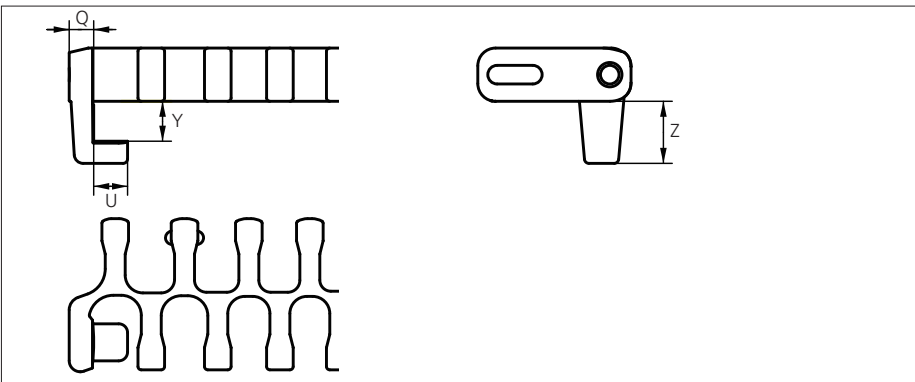
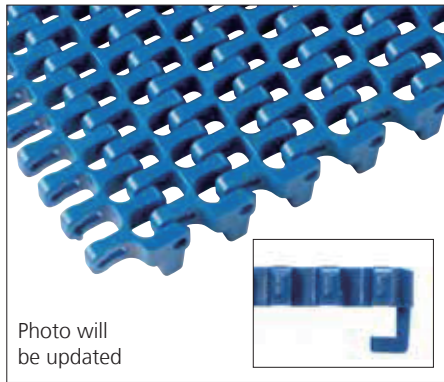
| Type              | Side Guard Material & color                                           | H    |      |
|-------------------|-----------------------------------------------------------------------|------|------|
|                   |                                                                       | mm   | in   |
| Side Guard Closed | POM-D <span style="background-color: #0070C0; color: white;">B</span> | 25.4 | 1.00 |
| Side Guard Open   |                                                                       |      |      |

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

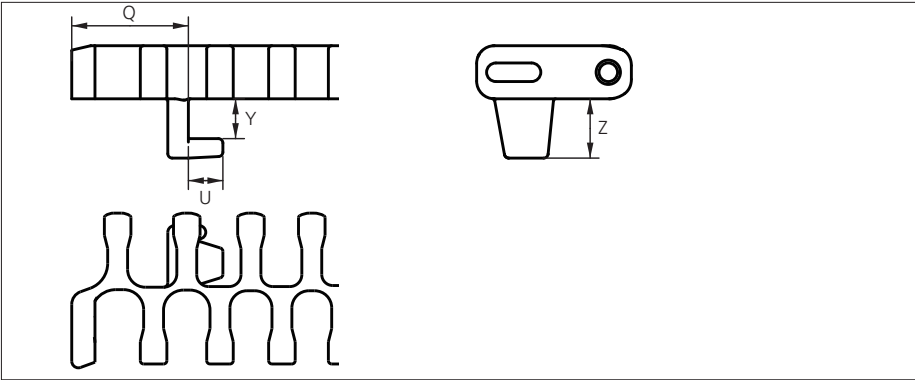
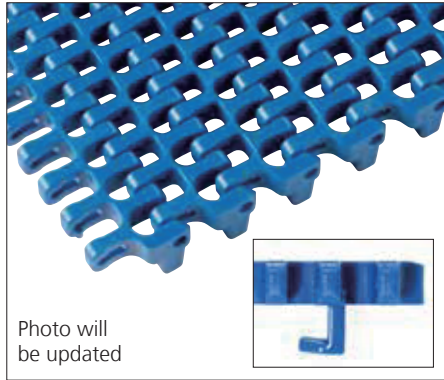
Non Standard material and color: See uni Material and Color Overview.

# Accessories

## Bottom Tab



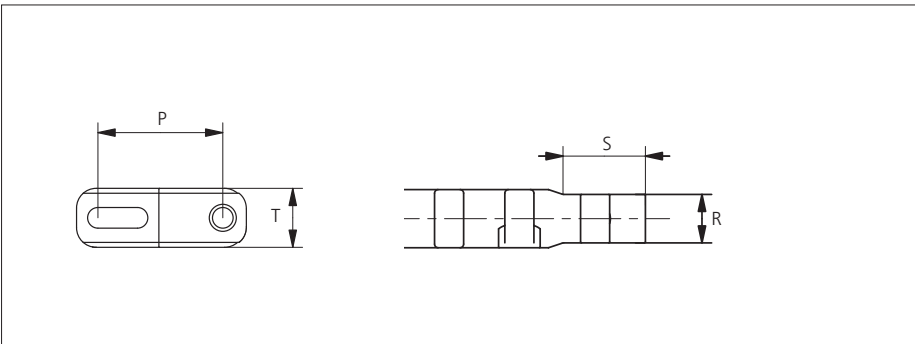
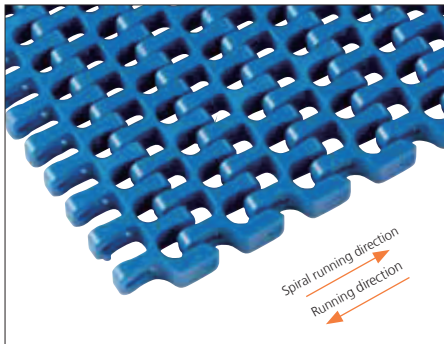
## Bottom Tab IL Style



| Type                | Tab<br>Material & color                  |                                       | Q    |      | U   |      | Y   |      | Z    |      |
|---------------------|------------------------------------------|---------------------------------------|------|------|-----|------|-----|------|------|------|
|                     |                                          |                                       | mm   | in   | mm  | in   | mm  | in   | mm   | in   |
| Bottom Tab          | POM-D <div><div>B</div><div></div></div> | PP <div><div>B</div><div></div></div> | 5.5  | 0.22 | 7.5 | 0.30 | 9.0 | 0.35 | 14.0 | 0.55 |
| Bottom Tab IL Style | POM-D <div><div>B</div><div></div></div> | PP <div><div>B</div><div></div></div> | 26.5 | 1.04 | 7.8 | 0.30 | 9.0 | 0.35 | 13.4 | 0.53 |

# Accessories

## Edge Tab – NON STANDARD

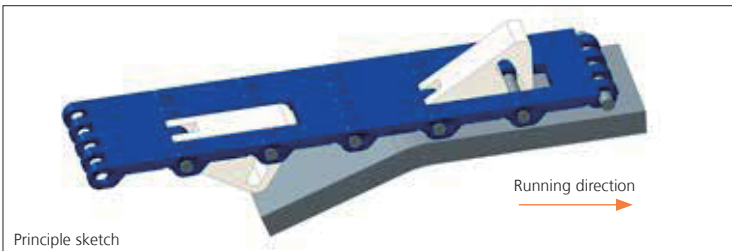


| Type     | Recommended<br>Edge Tab<br>Material & color                                                                                           | P    |      | R    |      | S    |      | T    |      |
|----------|---------------------------------------------------------------------------------------------------------------------------------------|------|------|------|------|------|------|------|------|
|          |                                                                                                                                       |      |      |      |      |      |      |      |      |
| Edge Tab | POM-D <span style="background-color: #0070C0; color: white;">B</span> <span style="background-color: #FFFFFF; color: black;"> </span> | 25.4 | 1.00 | 10.0 | 0.39 | 16.0 | 0.63 | 12.0 | 0.47 |

Min. indent for Flight 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.

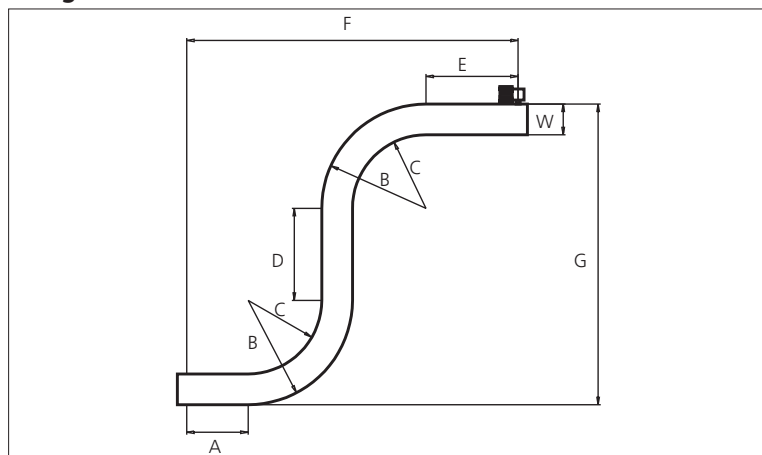
# Accessories

## Non Standard uni AmFlight



Other Non Standard option: See uni AmFlight Overview.

## Design Guidelines



For min. conveyor dimensions please refer to sketch and diagram.

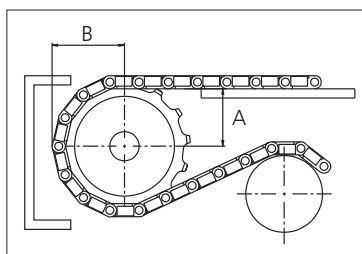
|   | uni Flex ASB R2.2 |
|---|-------------------|
| A | min. 1.5 x W      |
| B | min. 3.2 x W      |
| C | min. 2.2 x W      |
| D | min. 2.0 x W      |
| E | min. 2.0 x W      |
| F | min. 8.9 x W      |
| G | min. 8.4 x W      |

## Sprocket

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

■ Machined sprocket

● Machined sprocket



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

Other sprocket sizes are available upon request

Two-part sprocket are available upon request

Other bore sizes are available upon request

uni Retainer Rings: See uni Retainer Ring data sheet

Width of tooth = 7.0 mm (0.28 in)

Width of sprocket = 30.0 mm (1.18 in)

Max. load per sprocket shown does not take bore size into account.

Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni Flex ASB.

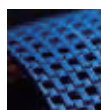
For more detailed sprocket information, contact Customer Service.



Conveyor Belts



Seamless Belts



Modular Belts



Timing Belts



Transmission Belts



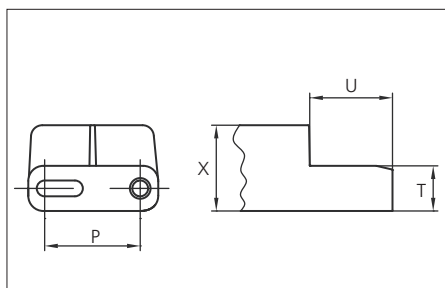
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# Plastic Modular Belt

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 <div><div></div><div>B</div></div>                                                                                              | PP <div><div></div><div>B</div></div> |                | mm   | in   |   | mm   | in   |
|-------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|----------------|------|------|---|------|------|
| Pin and lock material & color | <div> PA6.6 <div><div></div><div>B</div></div></div> |                                       | P<br>(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.

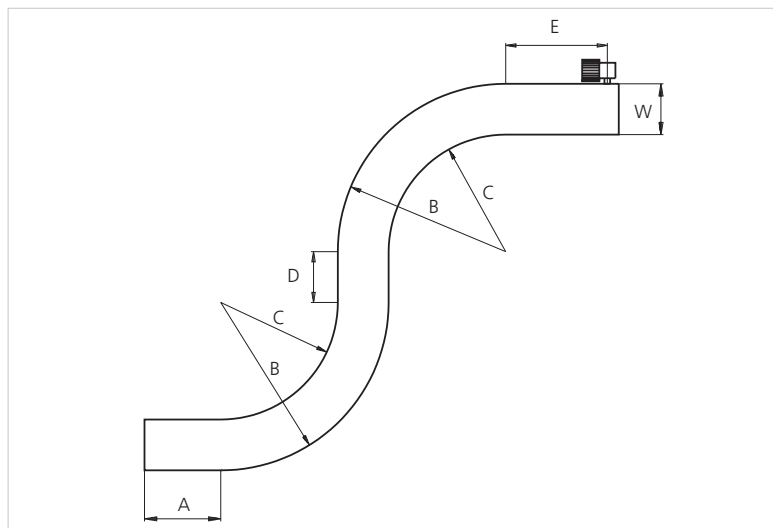
Alternative pin and lock systems and materials: Contact Customer Service.

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

## 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              |

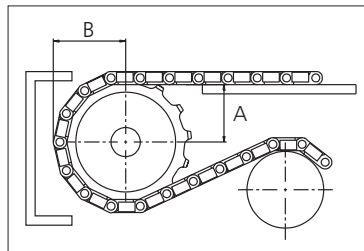
## Sprocket

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

### Machined sprocket



### Machined sprocket



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

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

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

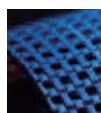
For correct sprocket position: See uni Assembly Instructions for uni Flex ASB.  
 For more detailed sprocket information, contact Customer Service.



Conveyor Belts



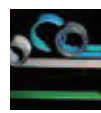
Seamless Belts



Modular Belts



Timing Belts



Transmission Belts

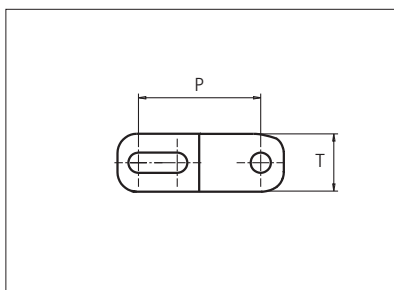
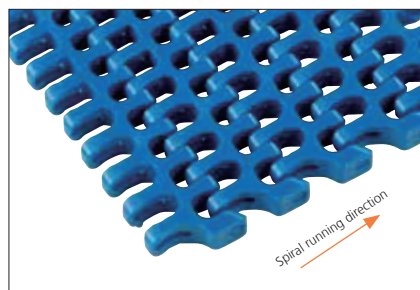


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# Plastic Modular Belt

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

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

Other non standard material and color: See uni Material and Color Overview.

Alternative pin and lock systems and materials: Contact Customer Service.

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

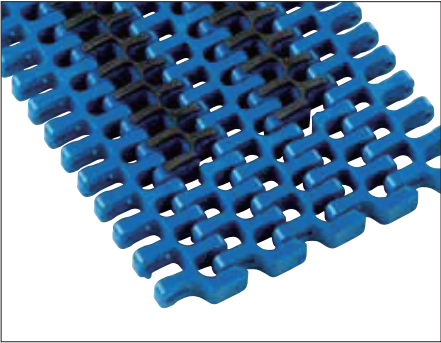
\*\*Max. Spacing between wear strips, Carry: 152 mm (6 in); Return: 304 mm (12 in).

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

 = Single Link

Accessories

Rubber Top

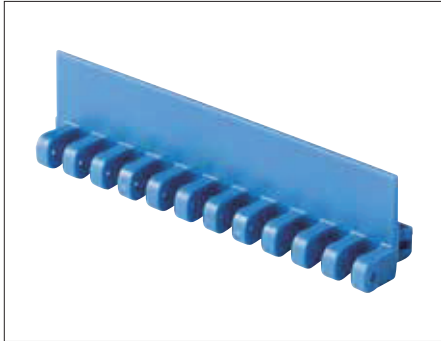


| Type                           | Recommended belt materials and colors | Recommended pin materials and colors | V   |      |
|--------------------------------|---------------------------------------|--------------------------------------|-----|------|
|                                |            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

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

Accessories

Flight

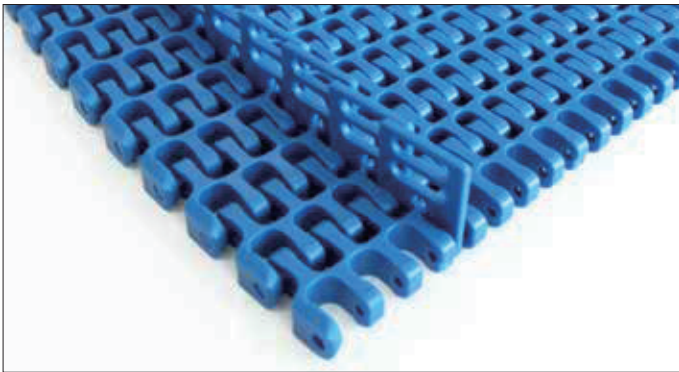


| Type | Flight Material & color             | B   |      | H    |      | Link size | Width |      |
|------|-------------------------------------|-----|------|------|------|-----------|-------|------|
|      |                                     | mm  | in   | mm   | in   |           | mm    | in  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

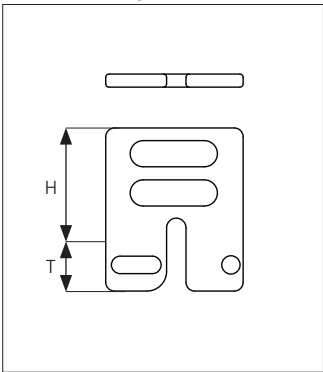
Non Standard material and color: See uni Material and Color Overview.

Accessories

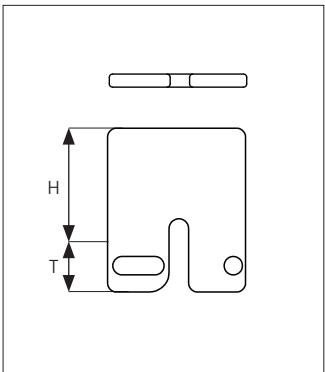
Side Guard



Side Guard Open



Side Guard



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

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

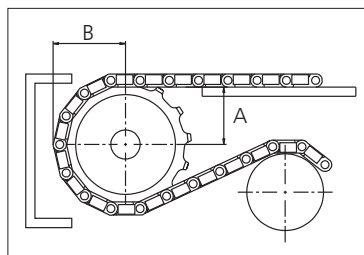
Non Standard material and color: See uni Material and Color Overview.

## Sprocket

| No. of teeth | Bore size  |    |      |        |        |      |      |        |        |      | Overall diameter |      | Pitch diameter |      | Hub diameter |      | Dimension A |      | Dimension B |      | Double row/Two way | <div><div></div><div>PA6 N</div></div> |
|--------------|------------|----|------|--------|--------|------|------|--------|--------|------|------------------|------|----------------|------|--------------|------|-------------|------|-------------|------|--------------------|----------------------------------------|
|              | Pilot Bore | in | 0.79 | 0.98   | 1.00   | 1.18 | 1.25 | 1.50   | 1.57   | 2.36 |                  |      |                |      |              |      |             |      |             |      |                    |                                        |
|              |            | mm | 20.0 | 25.0   | 25.4   | 30.0 | 31.8 | 38.1   | 40.0   | 60.0 | mm               | in   | mm             | in   | mm           | in   | mm          | in   |             |      |                    |                                        |
| Z07          | ✔          |    | ●    | ●      | ●      | ●    |      |        |        |      | 58.0             | 2.28 | 58.5           | 2.30 | 40.8         | 1.61 | 20.4        | 0.80 | 35.2        | 1.39 | ✔                  | ✔                                      |
| Z09          | ✔          |    |      | ●<br>■ | ●<br>■ | ●    | ●    |        |        |      | 75.0             | 2.95 | 74.3           | 2.93 | 57.8         | 2.28 | 28.9        | 1.14 | 43.1        | 1.70 | ✔                  | ✔                                      |
| Z12          | ✔          |    |      | ●<br>■ | ●      | ●    | ●    | ■      |        |      | 100.0            | 3.94 | 98.1           | 3.86 | 82.8         | 3.26 | 41.4        | 1.63 | 55.1        | 2.17 | ✔                  | ✔                                      |
| Z15          | ✔          |    |      |        | ●      | ●    | ●    | ■      | ●<br>■ | ■    | 124.6            | 4.91 | 122.2          | 4.81 | 107.4        | 4.23 | 53.8        | 2.12 | 67.1        | 2.64 | ✔                  | ✔                                      |
| Z18          | ✔          |    |      |        |        | ●    | ●    | ●<br>■ | ●<br>■ | ■    | 149.3            | 5.88 | 146.3          | 5.76 | 132.1        | 5.20 | 66.0        | 2.60 | 79.2        | 3.12 | ✔                  | ✔                                      |

■ Machined sprocket

● Machined sprocket



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.

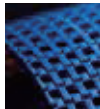
Non standard material and color: See uni Material and Color Overview.



Conveyor Belts



Seamless Belts



Modular Belts



Timing Belts



Transmission Belts

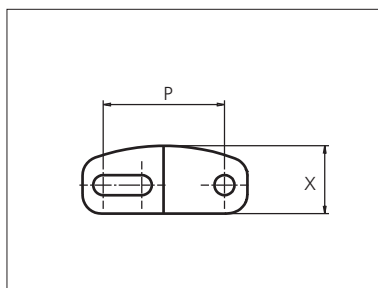
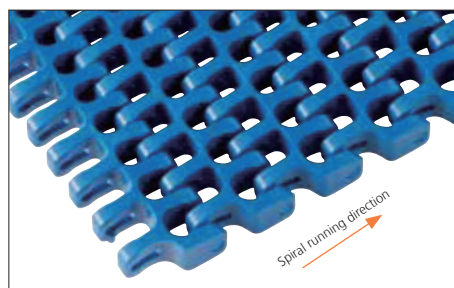


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# Plastic Modular Belt

Series **uni Flex ASB** Type **43% Open CS (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.

|                                              |                |  |                    |           |
|----------------------------------------------|----------------|--|--------------------|-----------|
| <b>Recommended Belt material &amp; color</b> | POM-D <b>B</b> |  | <b>mm</b>          | <b>in</b> |
| <b>Recommended Pin material &amp; color</b>  | PA6.6 <b>B</b> |  | <b>P (Nominal)</b> | 25.4      |
|                                              |                |  | <b>X</b>           | 14.2      |
|                                              |                |  |                    | 0.56      |

Other non standard material and color: See uni Material and Color Overview.

Alternative pin and lock systems and materials: Contact Customer Service.

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

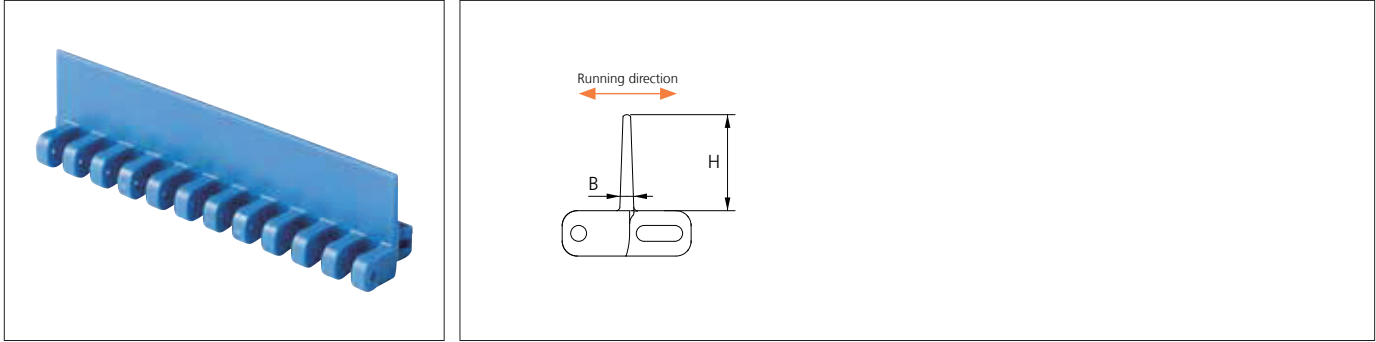
\*Max. Load per Drive Sprocket. Belt material: POM-D 2000 N (450 lbf), PP 1100 N (247 lbf).

\*\*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

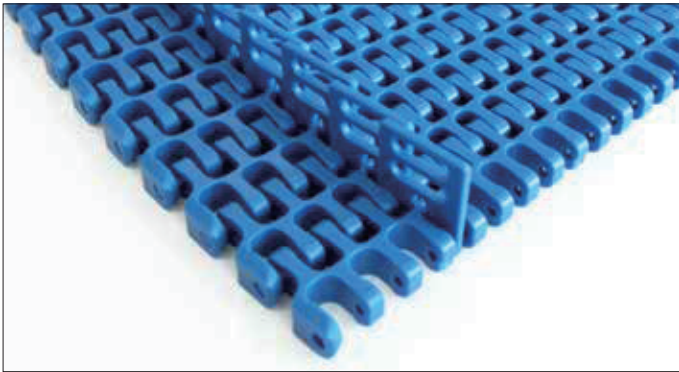
Accessories  
Flight



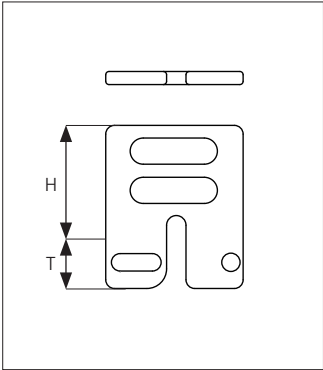
| Type | Recommended Material & color | B   |      | H    |      | Link size | Width |      | I (min) |      |
|------|------------------------------|-----|------|------|------|-----------|-------|------|---------|------|
|      |                              | mm  | in   | mm   | in   |           | mm    | in   | mm      | in   |
| Flat | POM-D <b>B</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.

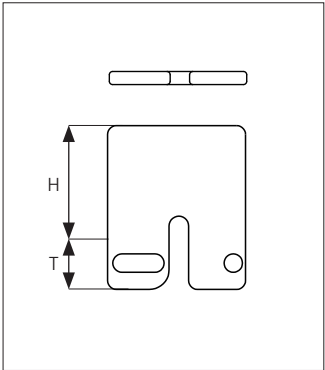
Accessories  
Side Guard



Side Guard Open



Side Guard



| Type              | Side Guard Material & color | H    |      |
|-------------------|-----------------------------|------|------|
|                   |                             | mm   | in   |
| Side Guard Closed | POM-D <b>B</b>              | 25.4 | 1.00 |
| Side Guard Open   |                             |      |      |

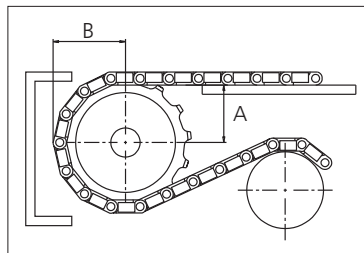
Min. indent for Side Guard is: 44.0 mm (1.73 in) and Increment 12.7 mm (0.50 in).  
Non Standard material and color: See uni Material and Color Overview.

## Sprocket

| No. of teeth | Bore size  |    |      |        |        |      |      |        |        |      | Overall diameter |      | Pitch diameter |      | Hub diameter |      | Dimension A |      | Dimension B |      | Double row/Two way | <div><div></div><div>PA6 N</div></div> |
|--------------|------------|----|------|--------|--------|------|------|--------|--------|------|------------------|------|----------------|------|--------------|------|-------------|------|-------------|------|--------------------|----------------------------------------|
|              | Pilot Bore | in | 0.79 | 0.98   | 1.00   | 1.18 | 1.25 | 1.50   | 1.57   | 2.36 |                  |      |                |      |              |      |             |      |             |      |                    |                                        |
|              |            | mm | 20.0 | 25.0   | 25.4   | 30.0 | 31.8 | 38.1   | 40.0   | 60.0 | mm               | in   | mm             | in   | mm           | in   | mm          | in   |             |      |                    |                                        |
| Z07          | ✔          |    | ●    | ●      | ●      | ●    |      |        |        |      | 58.0             | 2.28 | 58.5           | 2.30 | 40.8         | 1.61 | 20.4        | 0.80 | 35.2        | 1.39 | ✔                  | ✔                                      |
| Z09          | ✔          |    |      | ●<br>■ | ●<br>■ | ●    | ●    |        |        |      | 75.0             | 2.95 | 74.3           | 2.93 | 57.8         | 2.28 | 28.9        | 1.14 | 43.1        | 1.70 | ✔                  | ✔                                      |
| Z12          | ✔          |    |      | ●<br>■ | ●      | ●    | ●    | ■      |        |      | 100.0            | 3.94 | 98.1           | 3.86 | 82.8         | 3.26 | 41.4        | 1.63 | 55.1        | 2.17 | ✔                  | ✔                                      |
| Z15          | ✔          |    |      |        | ●      | ●    | ●    | ■      | ●<br>■ | ■    | 124.6            | 4.91 | 122.2          | 4.81 | 107.4        | 4.23 | 53.8        | 2.12 | 67.1        | 2.64 | ✔                  | ✔                                      |
| Z18          | ✔          |    |      |        |        | ●    | ●    | ●<br>■ | ●<br>■ | ■    | 149.3            | 5.88 | 146.3          | 5.76 | 132.1        | 5.20 | 66.0        | 2.60 | 79.2        | 3.12 | ✔                  | ✔                                      |

■ Machined sprocket

● Machined sprocket



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.

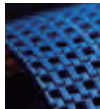
Non standard material and color: See uni Material and Color Overview.



Conveyor Belts



Seamless Belts



Modular Belts



Timing Belts



Transmission Belts

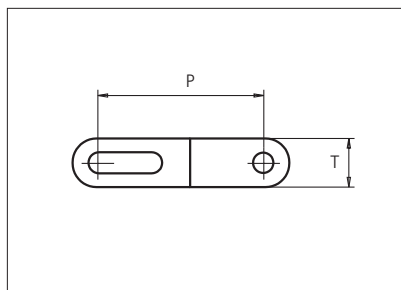


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# Plastic Modular Belt

Series **uni Flex L-ASB** Type **47% Open (Radius 1.6)**



Sideflexing belt  
Nominal pitch: 50.8 mm (2.00 in)  
Surface type: Flat  
Surface opening: 47%  
Backflex radius: 100.0 mm (3.94 in)  
Pin diameter: 6 mm (0.24 in)  
Min. inside radius: 1.6 x belt width

| Belt material & color         | POM-D <span style="background-color: #0070C0; color: white;">B</span> <span style="background-color: #FFFFFF; border: 1px solid black;"> </span>        | PP <span style="background-color: #0070C0; color: white;">B</span> <span style="background-color: #FFFFFF; border: 1px solid black;"> </span> |             | mm   | in   |
|-------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|-------------|------|------|
|                               |                                                                                                                                                         |                                                                                                                                               | P (Nominal) | 50.8 | 2.00 |
| Pin and lock material & color |  PA6.6 <span style="background-color: #0070C0; color: white;">B</span> |                                                                                                                                               | T           | 15.0 | 0.59 |
|                               |                                                                                                                                                         |                                                                                                                                               |             |      |      |

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

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

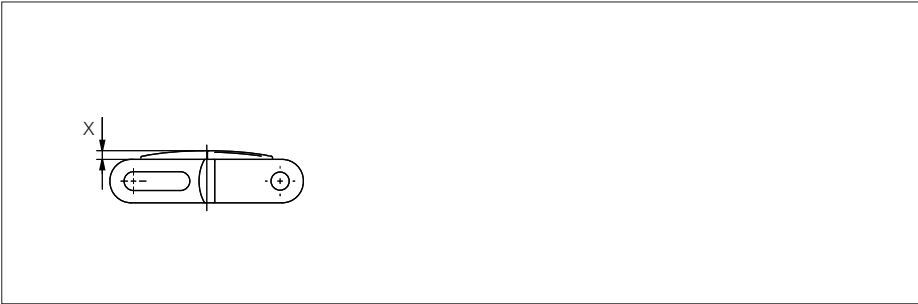
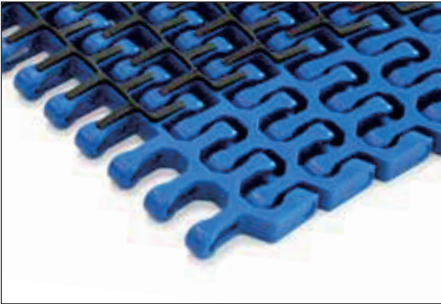
\*Max. Load per Drive Sprocket. Belt material: POM-D 2500 N (562 lbf), PP 1200 N (270 lbf).

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

  = Single Link

Accessories

Rubber Top



| Type   | Belt material & color | Rubber material, hardness & color | X   |      |
|--------|-----------------------|-----------------------------------|-----|------|
|        |                       |                                   | mm  | in   |
| Curved | PP <span>B</span>     | TPE-S Shore A60 <span></span>     | 3.0 | 0.12 |

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 Closed

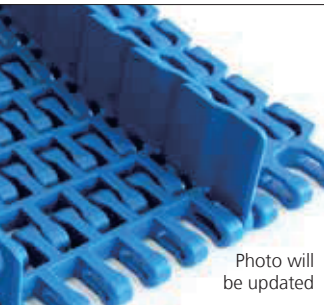
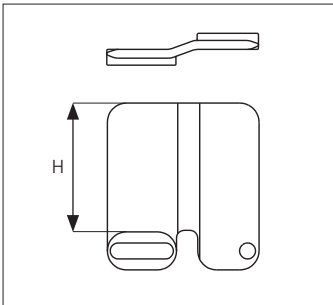


Photo will be updated



Side Guard Open

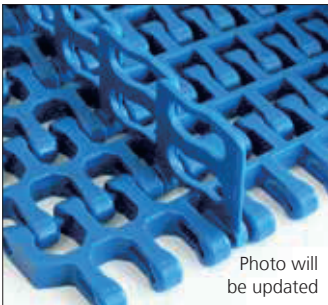
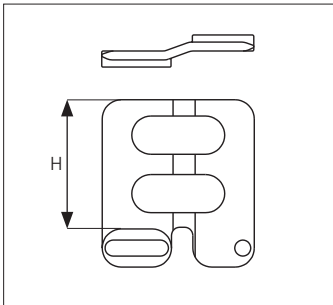
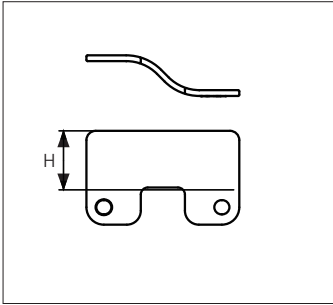
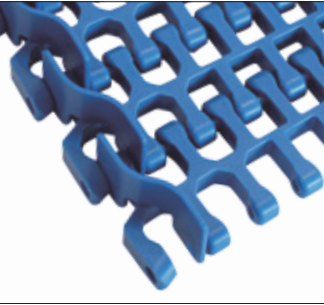


Photo will be updated



Side Guard Outside Closed



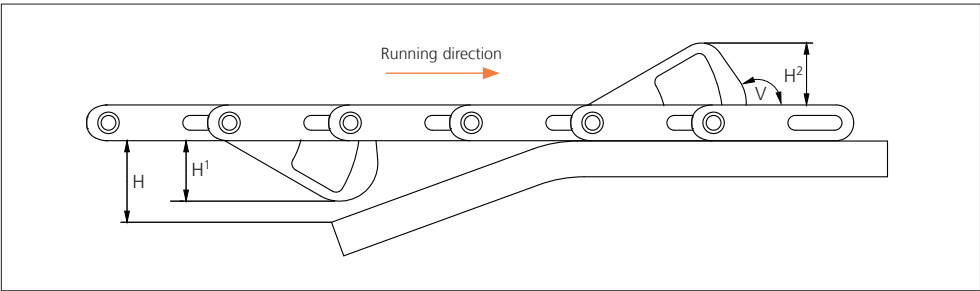
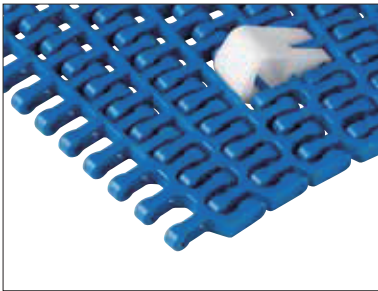
| Type                      | Material & color     | H    |      |
|---------------------------|----------------------|------|------|
|                           |                      | mm   | in   |
| Side Guard Closed         | POM-D <span>B</span> | 10.0 | 0.39 |
|                           |   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

Min. indent for Side Guard Closed and Side Guard Open: 55.0 mm (2.17 in) and Increment 25.4 mm (1.00 in).

Min/max indent for Side Guard Outside Closed: 10.0 mm (0.39 in).

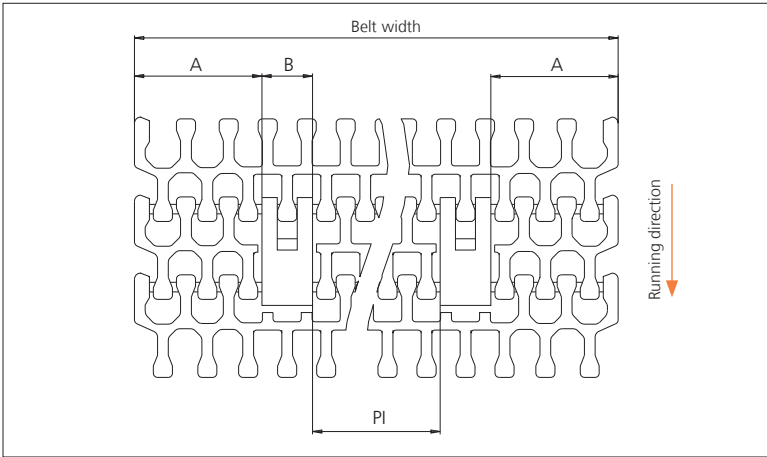
Non Standard material and color: See uni Material and Color Overview.

# Accessories AmFlight



| Type | Material & color                                                                     | H         | H¹   |      | H²   |      | V    |
|------|--------------------------------------------------------------------------------------|-----------|------|------|------|------|------|
|      |                                                                                      |           | mm   | in   | mm   | in   |      |
| Push | PE  | $H > H^1$ | 25.4 | 1.00 | 26.0 | 1.02 | 125° |

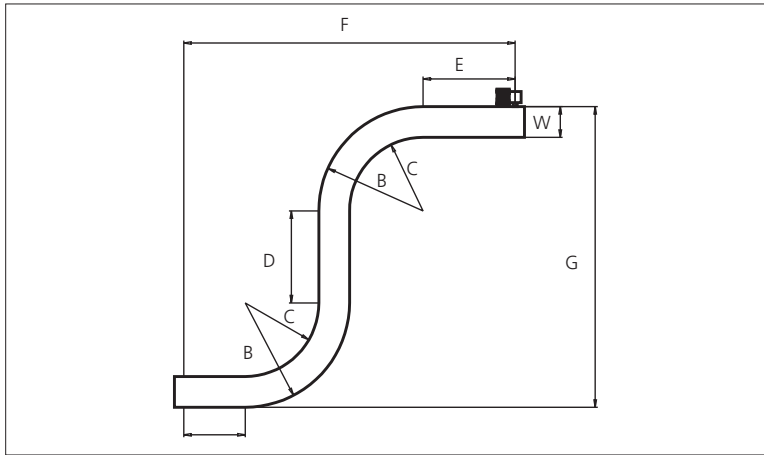
Other Non Standard option: See uni AmFlight Overview.



|               | mm   | in   |
|---------------|------|------|
| <b>A min</b>  | 83.0 | 3.27 |
| <b>B</b>      | 33.0 | 1.30 |
| <b>PI min</b> | 68.5 | 2.70 |

Increment: 25.4 mm (1.00 in).

## Design Guidelines



|          | uni Flex L-ASB R2.2 | uni Flex L-ASB R1.6 (inside) |
|----------|---------------------|------------------------------|
| <b>A</b> | min. 1.5 x W        | min. 1.5 x W                 |
| <b>B</b> | min. 3.2 x W        | min. 2.6 x W                 |
| <b>C</b> | min. 2.2 x W        | min. 1.6 x W                 |
| <b>D</b> | min. 2.0 x W        | min. 2.0 x W                 |
| <b>E</b> | min. 2.0 x W        | min. 2.0 x W                 |
| <b>F</b> | min. 8.9 x W        | min. 7.7 x W                 |
| <b>G</b> | min. 8.4 x W        | min. 7.2 x W                 |

uni Flex L-ASB 47% 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.

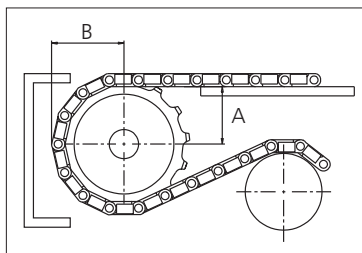
## Sprocket

| No. of teeth | Bore size  |    |                                   |                                   |                                   |                                   |                                   |                                   | Overall diameter |      | Pitch diameter |      | Hub diameter |      | Dimension A |      | Dimension B |      | Single row/Two way | <div><div></div><div>PA6</div></div> <div>Machined</div> |
|--------------|------------|----|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|------------------|------|----------------|------|--------------|------|-------------|------|-------------|------|--------------------|----------------------------------------------------------|
|              | Pilot Bore | in | 1.00                              | 1.18                              | 1.25                              | 1.50                              | 1.57                              | 2.50                              |                  |      |                |      |              |      |             |      |             |      |                    |                                                          |
|              |            | mm | 25.4                              | 30.0                              | 31.8                              | 38.1                              | 40.0                              | 63.5                              | mm               | in   | mm             | in   | mm           | in   | mm          | in   |             |      |                    |                                                          |
| Z08          | ✔          |    | <div><div></div><div></div></div> | <div><div></div><div></div></div> |                                   |                                   | <div><div></div><div></div></div> |                                   | 134.6            | 5.30 | 131.5          | 5.18 | 107.6        | 4.23 | 54.4        | 2.14 | 74.9        | 2.95 | ✔                  | ✔                                                        |
| Z10          | ✔          |    | <div><div></div><div></div></div> | <div><div></div><div></div></div> | <div><div></div><div></div></div> |                                   | <div><div></div><div></div></div> |                                   | 168.3            | 6.63 | 164.0          | 6.46 | 141.3        | 5.56 | 71.4        | 2.81 | 90.8        | 3.57 | ✔                  | ✔                                                        |
| Z12          | ✔          |    | <div><div></div><div></div></div> |                                   | <div><div></div><div></div></div> | <div><div></div><div></div></div> | <div><div></div><div></div></div> | <div><div></div><div></div></div> | 203.5            | 8.01 | 196.5          | 7.74 | 176.5        | 6.94 | 88.2        | 3.47 | 106.8       | 4.20 | ✔                  | ✔                                                        |
| Z15          | ✔          |    | <div><div></div><div></div></div> |                                   | <div><div></div><div></div></div> | <div><div></div><div></div></div> | <div><div></div><div></div></div> | <div><div></div><div></div></div> | 253.4            | 9.98 | 245.4          | 9.66 | 226.4        | 8.91 | 113.2       | 4.46 | 131.0       | 5.16 | ✔                  | ✔                                                        |

### ■ Machined sprocket



### ● Machined sprocket



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.

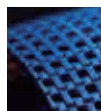
Non standard material and color: See uni Material and Color Overview.



Conveyor Belts



Seamless Belts



Modular Belts



Timing Belts



Transmission Belts

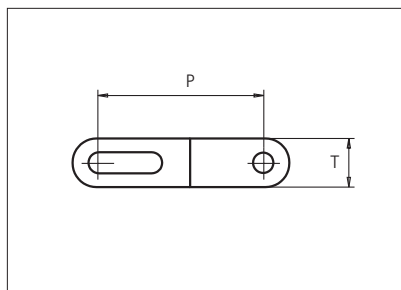
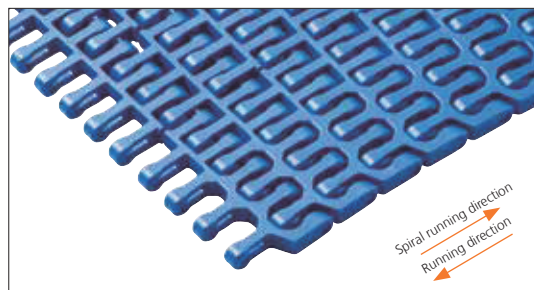


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# Plastic Modular Belt

Series **uni Flex L-ASB** Type **47% Open (Radius 2.2)**



Sideflexing belt  
Nominal pitch: 50.8 mm (2.00 in)  
Surface type: Flat  
Surface opening: 47%  
Backflex radius: 100.0 mm (3.94 in)  
Pin diameter: 6 mm (0.24 in)  
Min. inside radius: 2.2 x belt width

| Belt material & color         | POM-D <span style="background-color: #0070C0; color: white;">B</span> <span style="background-color: #FFFFFF; border: 1px solid black;"> </span>        | PP <span style="background-color: #0070C0; color: white;">B</span> <span style="background-color: #FFFFFF; border: 1px solid black;"> </span> |             | mm   | in   |
|-------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|-------------|------|------|
|                               |                                                                                                                                                         |                                                                                                                                               | P (Nominal) | 50.8 | 2.00 |
| Pin and lock material & color |  PA6.6 <span style="background-color: #0070C0; color: white;">B</span> |                                                                                                                                               | T           | 15.0 | 0.59 |
|                               |                                                                                                                                                         |                                                                                                                                               |             |      |      |

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

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



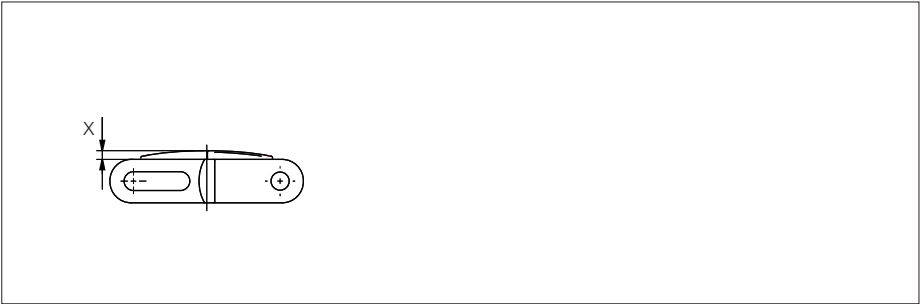
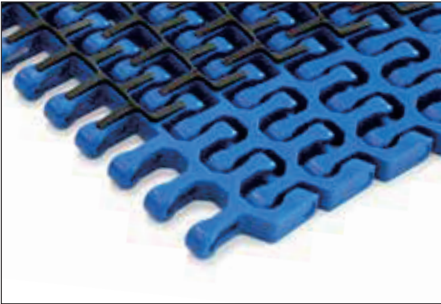
STANDARD

SIDE FLEXING

PITCH 50.8 MM/2.00 IN

Accessories

Rubber Top



| Type   | Belt material & color | Rubber material, hardness & color | X   |      |
|--------|-----------------------|-----------------------------------|-----|------|
|        |                       |                                   | mm  | in   |
| Curved | PP <span>B</span>     | TPE-S Shore A60 <span></span>     | 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).

Accessories

Side Guard Closed

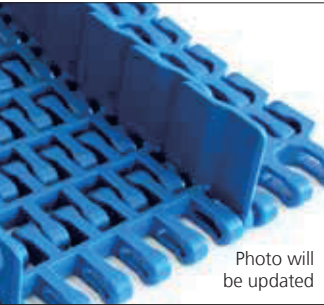
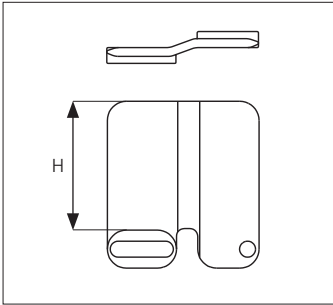


Photo will be updated



Side Guard Open

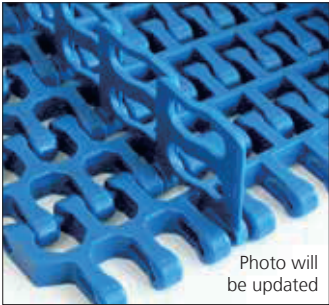
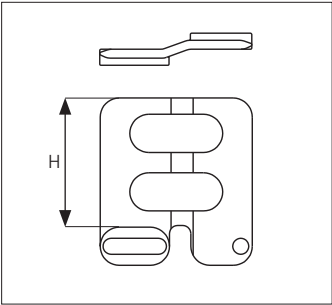
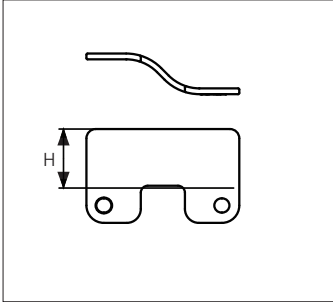
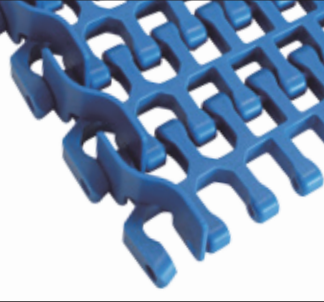


Photo will be updated



Side Guard Outside Closed



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

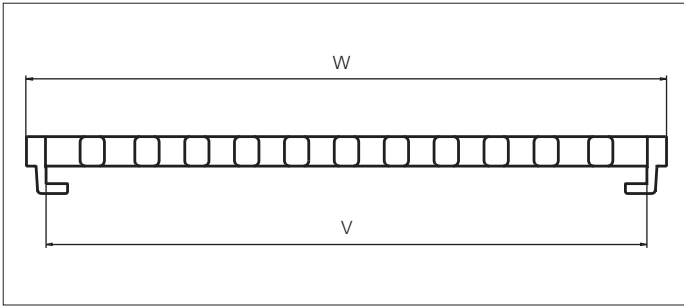
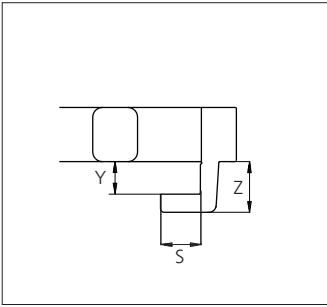
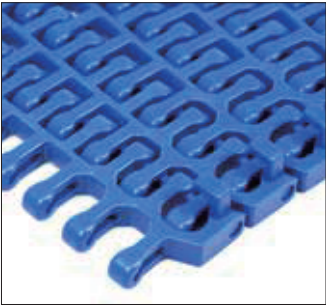
Min. indent for Side Guard Closed and Side Guard Open: 55.0 mm (2.17 in) and Increment 25.4 mm (1.00 in).

Min/max indent for Side Guard Outside Closed: 10.0 mm (0.39 in).

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

Accessories

Bottom Tab

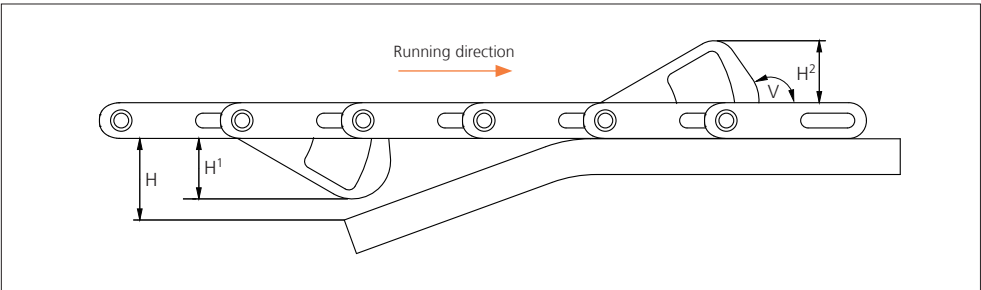
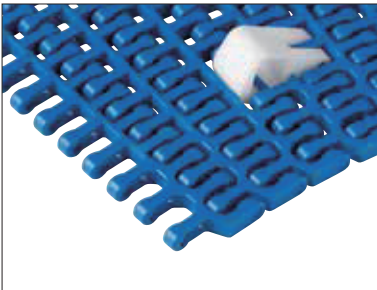


| Type           | Bottom Tab material and colors     | S    |      | V     |       | W     |       | Y   |      | Z    |      |
|----------------|------------------------------------|------|------|-------|-------|-------|-------|-----|------|------|------|
|                |                                    | mm   | in   | mm    | in    | mm    | in    | mm  | in   | mm   | in   |
| Hold Down Edge | POM-D <span>B</span> <span></span> | 11.0 | 0.43 | 306.5 | 12.07 | 325.9 | 12.83 | 9.0 | 0.35 | 14.0 | 0.55 |
|                | PP <span>B</span> <span></span>    |      |      |       |       |       |       |     |      |      |      |

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

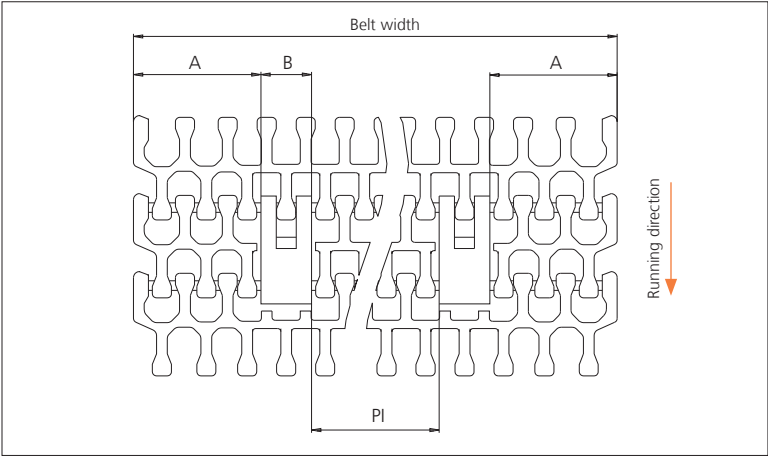
Accessories

AmFlight



| Type | Material & color | H      | H¹   |      | H²   |      | V    |
|------|------------------|--------|------|------|------|------|------|
|      |                  |        | mm   | in   | mm   | in   |      |
| Push | PE <span></span> | H > H¹ | 25.4 | 1.00 | 26.0 | 1.02 | 125° |

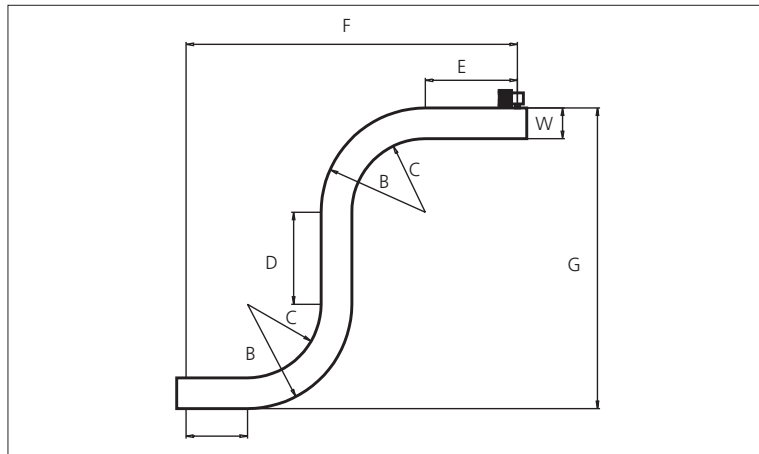
Other Non Standard option: See uni AmFlight Overview.



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

Increment: 25.4 mm (1.00 in).

## Design Guidelines



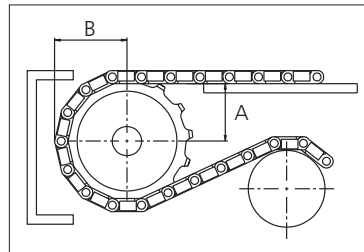
|   | uni Flex L-ASB R2.2 |
|---|---------------------|
| A | min. 1.5 x W        |
| B | min. 3.2 x W        |
| C | min. 2.2 x W        |
| D | min. 2.0 x W        |
| E | min. 2.0 x W        |
| F | min. 8.9 x W        |
| G | min. 8.4 x W        |

For min. conveyor dimensions please refer to sketch and diagram.

## Sprocket

| No. of teeth | Bore size  |      |                                   |                        |                        |                                   |                                   |                        | Overall diameter |      | Pitch diameter |      | Hub diameter |      | Dimension A |      | Dimension B |      | Single row/Two way | <div><div></div>PA6</div> |
|--------------|------------|------|-----------------------------------|------------------------|------------------------|-----------------------------------|-----------------------------------|------------------------|------------------|------|----------------|------|--------------|------|-------------|------|-------------|------|--------------------|---------------------------|
|              | Pilot Bore | in   | 1.00                              | 1.18                   | 1.25                   | 1.50                              | 1.57                              | 2.50                   |                  |      |                |      |              |      |             |      |             |      |                    |                           |
|              | mm         | 25.4 | 30.0                              | 31.8                   | 38.1                   | 40.0                              | 63.5                              | mm                     | in               | mm   | in             | mm   | in           | mm   | in          | mm   | in          |      |                    |                           |
| Z08          | ✓          |      | <div><div></div><div></div></div> | <div><div></div></div> | <div><div></div></div> |                                   | <div><div></div><div></div></div> |                        | 134.6            | 5.30 | 131.5          | 5.18 | 107.6        | 4.23 | 54.4        | 2.14 | 74.9        | 2.95 | ✓                  | ✓                         |
| Z10          | ✓          |      | <div><div></div><div></div></div> | <div><div></div></div> | <div><div></div></div> |                                   | <div><div></div><div></div></div> |                        | 168.3            | 6.63 | 164.0          | 6.46 | 141.3        | 5.56 | 71.4        | 2.81 | 90.8        | 3.57 | ✓                  | ✓                         |
| Z12          | ✓          |      | <div><div></div></div>            |                        | <div><div></div></div> | <div><div></div><div></div></div> | <div><div></div><div></div></div> | <div><div></div></div> | 203.5            | 8.01 | 196.5          | 7.74 | 176.5        | 6.94 | 88.2        | 3.47 | 106.8       | 4.20 | ✓                  | ✓                         |
| Z15          | ✓          |      | <div><div></div></div>            |                        | <div><div></div></div> | <div><div></div><div></div></div> | <div><div></div><div></div></div> | <div><div></div></div> | 253.4            | 9.98 | 245.4          | 9.66 | 226.4        | 8.91 | 113.2       | 4.46 | 131.0       | 5.16 | ✓                  | ✓                         |

■ 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.

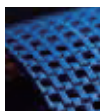
For more detailed sprocket information, contact Customer Service.



Conveyor Belts



Seamless Belts



Modular Belts



Timing Belts



Transmission Belts

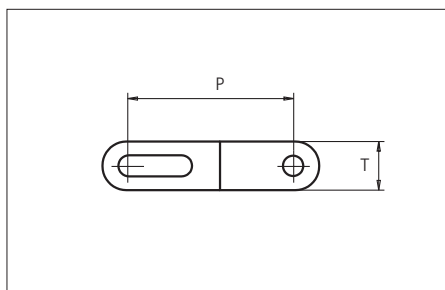
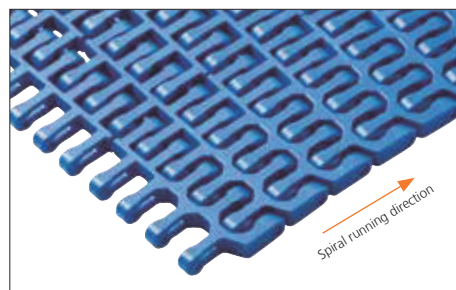


Fabrication & service

Expert advice, quality solutions  
and local service  
for all your belting needs  
[www.unichains.com](http://www.unichains.com)

# Plastic Modular Belt

Series **uni Flex L-ASB** Type **43% 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

|                                              |                |  |                    |           |
|----------------------------------------------|----------------|--|--------------------|-----------|
| <b>Recommended Belt material &amp; color</b> | POM-D <b>B</b> |  | <b>mm</b>          | <b>in</b> |
| <b>Recommended Pin material &amp; color</b>  | PA6.6 <b>B</b> |  | <b>P (Nominal)</b> |           |
|                                              |                |  | <b>T</b>           |           |
|                                              |                |  | 50.8               | 2.00      |
|                                              |                |  | 15.0               | 0.59      |

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

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

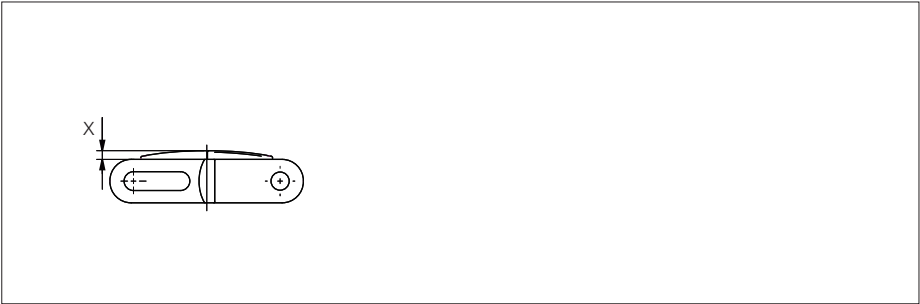
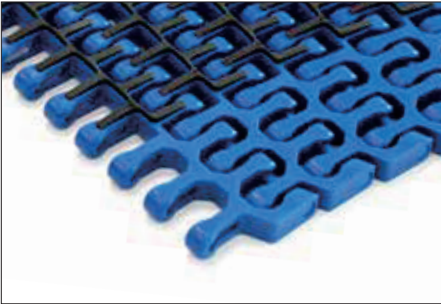
\*Max. Load per Drive Sprocket. Belt material: POM-D 2500 N (562 lbf), PP 1200 N (270 lbf).

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

 = Single Link

Accessories

Rubber Top

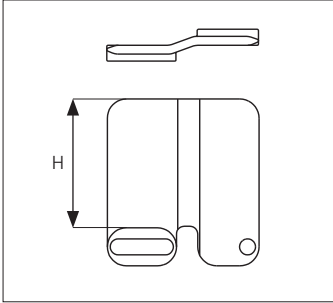
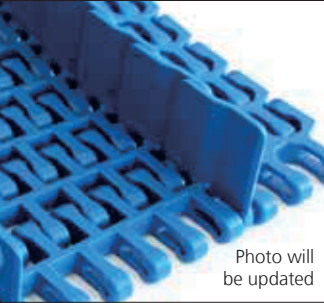


| Type   | Belt material & color | Rubber material, hardness & color | X   |      |
|--------|-----------------------|-----------------------------------|-----|------|
|        |                       |                                   | mm  | in   |
| Curved | PP <b>B</b>           | TPE-S Shore A60 <b>K</b>          | 3.0 | 0.12 |

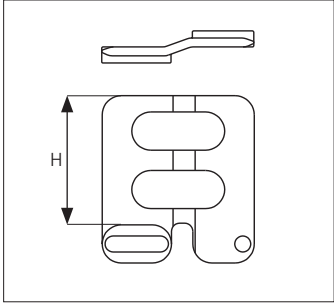
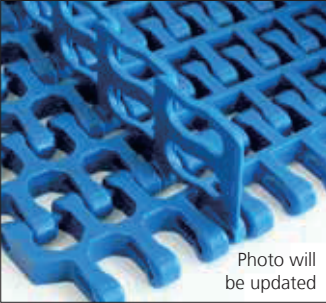
uni Flex L-ASB Rubber Top: Indent min. 71.0 mm (2.80 in) and Increment 25.4 mm (1.00).

Accessories

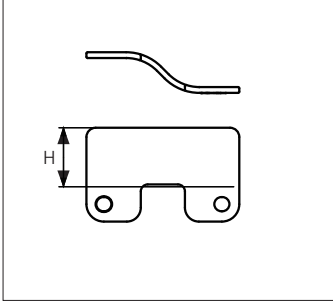
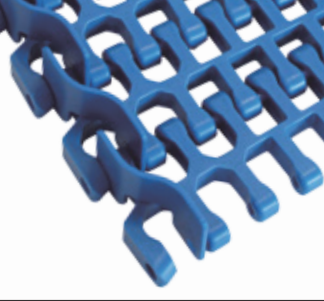
Side Guard Closed



Side Guard Open



Side Guard Outside Closed



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

Min. indent for Side Guard Closed and Side Guard Open: 80.0 mm (3.15 in) and Increment 25.4 mm (1.00 in).

Min/max indent for Side Guard Outside Closed: 10.0 mm (0.39 in).

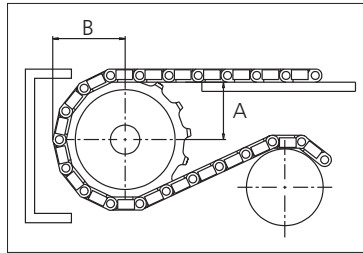
Non Standard material and color: See uni Material and Color Overview.

## Sprocket

| No. of teeth | Bore size  |    |                                   |                                   |                                   |                                   |                                   |                                   | Overall diameter |      | Pitch diameter |      | Hub diameter |      | Dimension A |      | Dimension B |      | Single row/Two way | <div><div></div><div>PA6</div></div> <div>Machined</div> |
|--------------|------------|----|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|------------------|------|----------------|------|--------------|------|-------------|------|-------------|------|--------------------|----------------------------------------------------------|
|              | Pilot Bore | in | 1.00                              | 1.18                              | 1.25                              | 1.50                              | 1.57                              | 2.50                              |                  |      |                |      |              |      |             |      |             |      |                    |                                                          |
|              |            | mm | 25.4                              | 30.0                              | 31.8                              | 38.1                              | 40.0                              | 63.5                              |                  |      |                |      |              |      |             |      |             |      |                    |                                                          |
| Z08          | ✓          |    | <div><div></div><div></div></div> | <div><div></div><div></div></div> | <div><div></div><div></div></div> |                                   | <div><div></div><div></div></div> |                                   | 134.6            | 5.30 | 131.5          | 5.18 | 107.6        | 4.23 | 54.4        | 2.14 | 74.9        | 2.95 | ✓                  | ✓                                                        |
| Z10          | ✓          |    | <div><div></div><div></div></div> | <div><div></div><div></div></div> | <div><div></div><div></div></div> |                                   | <div><div></div><div></div></div> |                                   | 168.3            | 6.63 | 164.0          | 6.46 | 141.3        | 5.56 | 71.4        | 2.81 | 90.8        | 3.57 | ✓                  | ✓                                                        |
| Z12          | ✓          |    | <div><div></div><div></div></div> |                                   | <div><div></div><div></div></div> | <div><div></div><div></div></div> | <div><div></div><div></div></div> | <div><div></div><div></div></div> | 203.5            | 8.01 | 196.5          | 7.74 | 176.5        | 6.94 | 88.2        | 3.47 | 106.8       | 4.20 | ✓                  | ✓                                                        |
| Z15          | ✓          |    | <div><div></div><div></div></div> |                                   | <div><div></div><div></div></div> | <div><div></div><div></div></div> | <div><div></div><div></div></div> | <div><div></div><div></div></div> | 253.4            | 9.98 | 245.4          | 9.66 | 226.4        | 8.91 | 113.2       | 4.46 | 131.0       | 5.16 | ✓                  | ✓                                                        |

■ Machined sprocket

● Machined sprocket



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.

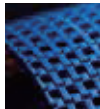
Non standard material  
 and color: See uni  
 Material and Color  
 Overview.



Conveyor Belts



Seamless Belts



Modular Belts



Timing Belts



Transmission Belts

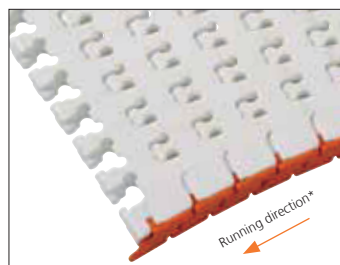


Fabrication  
& service

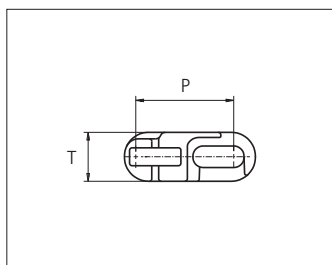
Expert advice, quality solutions  
and local service  
for all your belting needs  
**[www.unichains.com](http://www.unichains.com)**

# Plastic Modular Belt

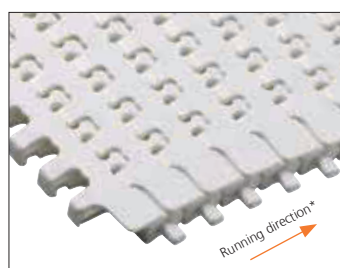
Series **uni Flex ONE**



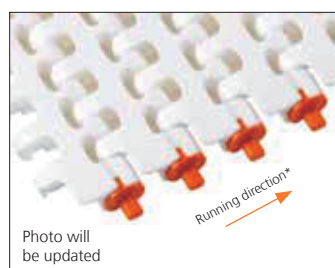
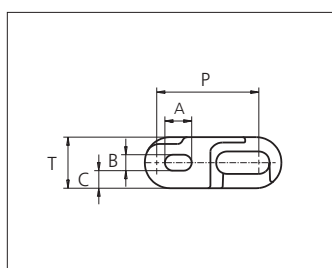
**uni Flex ONE EWC R1.6**  
Surface Opening: 15%



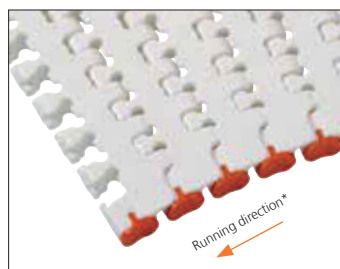
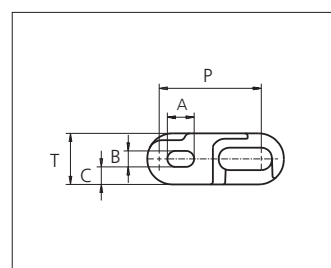
Sideflexing belt  
Nominal pitch: 38.1 mm (1.50 in)  
Surface type: Flat  
Surface opening: 15%  
Backflex radius: 50.0 mm (1.97 in)  
Min. inside radius R1.6 x belt width



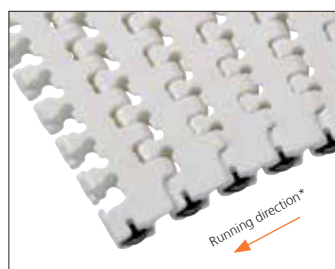
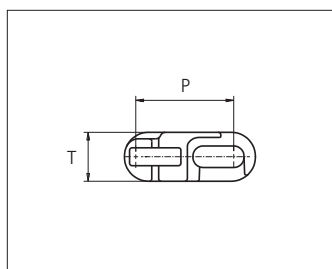
**uni Flex ONE O R1.6**  
Surface Opening: 15%



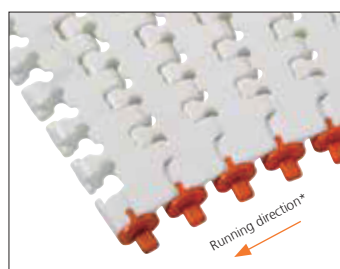
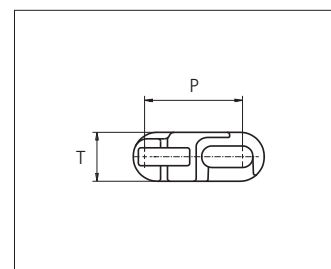
**uni Flex ONE EO R1.6**  
Surface Opening: 15%



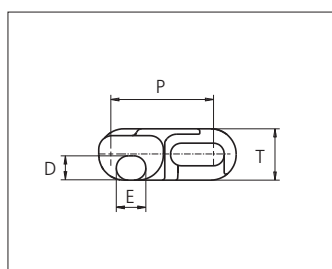
**uni Flex ONE EW R1.6**  
Surface Opening: 15%



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



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



|                    | mm   | in   |          | mm   | in   |
|--------------------|------|------|----------|------|------|
| <b>P (Nominal)</b> | 38.1 | 1.50 | <b>D</b> | 9.0  | 0.35 |
| <b>A</b>           | 10.0 | 0.39 | <b>E</b> | 11.0 | 0.43 |
| <b>B</b>           | 5.9  | 0.23 | <b>T</b> | 19.1 | 0.75 |
| <b>C</b>           | 6.6  | 0.26 | -        | -    | -    |

\*uni-chains recommends this travel direction. However travel in both directions is possible.

|                                             |                                                                                                                                                                                                                                                                                                                                          |
|---------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Belt material &amp; color</b>            | POM-SX <span style="background-color: white; border: 1px solid black; padding: 0 2px;">B</span> **                                                                                                                                                                                                                                       |
| <b>O-Tab, Wearpart material &amp; color</b> | POM DK <span style="background-color: orange; border: 1px solid black; padding: 0 2px;">O</span>                                                                                                                                                                                                                                         |
| <b>EWC Wearpart material &amp; color</b>    | K750: POM DK <span style="background-color: yellow; border: 1px solid black; padding: 0 2px;"> </span><br>K1200, K1500, K1800: POM DK <span style="background-color: orange; border: 1px solid black; padding: 0 2px;">O</span><br>K2400: POM DK <span style="background-color: blue; border: 1px solid black; padding: 0 2px;">B</span> |

\*\*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<br>Belt/pin material |      |                |     | Belt weight<br>Belt material |       | *Recommended<br>No. drive<br>sprocket<br>per shaft | Number of wear<br>strips (Min No.) |                   |
|------------|-------|------|--------|------------------------------------------------|------|----------------|-----|------------------------------|-------|----------------------------------------------------|------------------------------------|-------------------|
|            |       |      |        | POM-SX                                         |      |                |     | POM-SX                       |       |                                                    | **Carry<br>(pcs)                   | **Return<br>(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  |                                                    |                                    |                   |

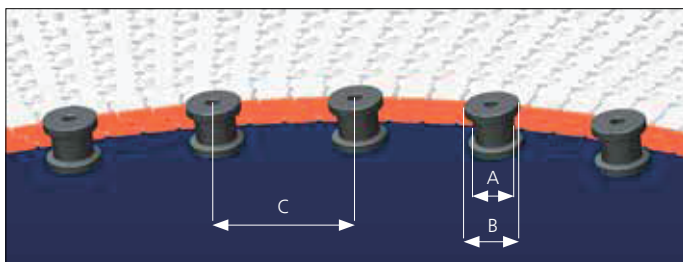
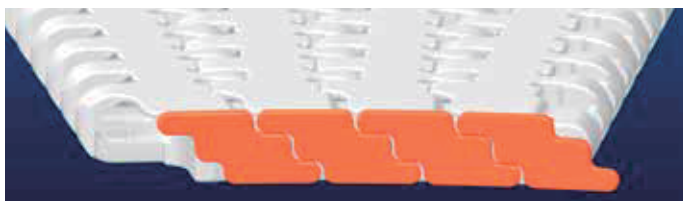
General belt tolerance is +0/-0.4% at 23°C/73°F.

\*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

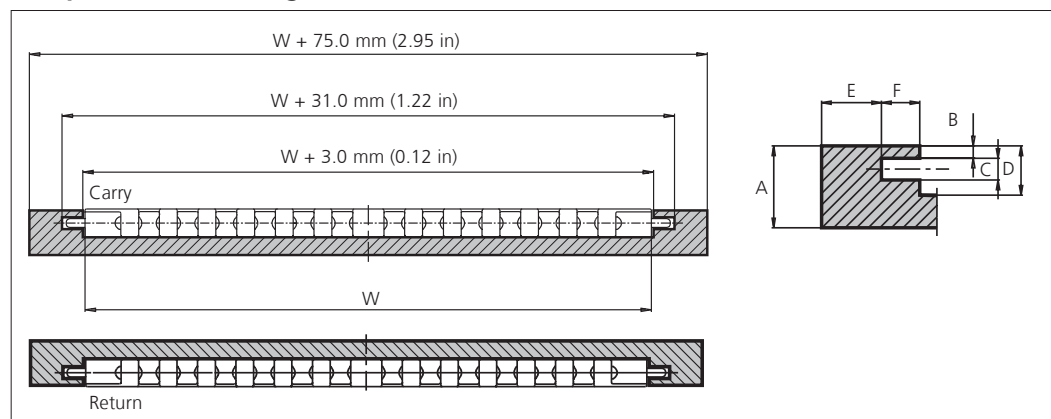
### uni Flex One EWC



|          | mm         | in        |
|----------|------------|-----------|
| <b>A</b> | min Ø30    | min Ø1¼   |
| <b>B</b> | A + min 12 | A + min ½ |
| <b>C</b> | 100-150    | 4-6       |

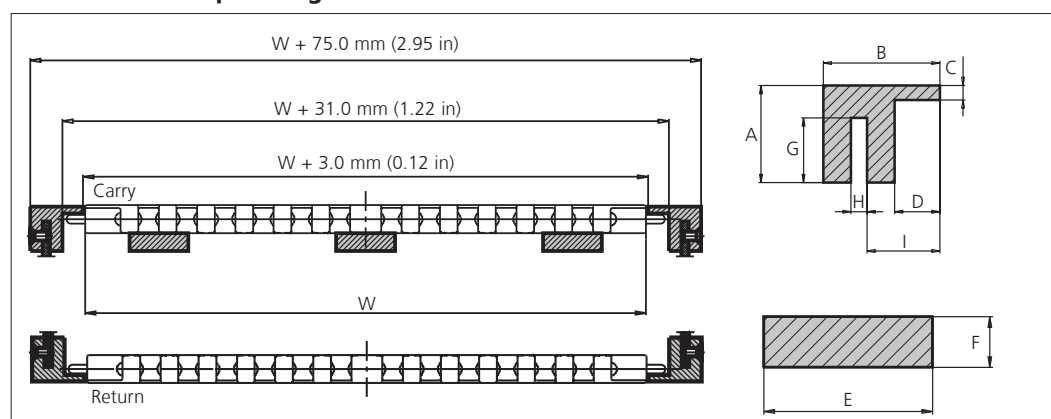
## Profiles for uni Flex ONE O/EO

### Compact Profile Configuration



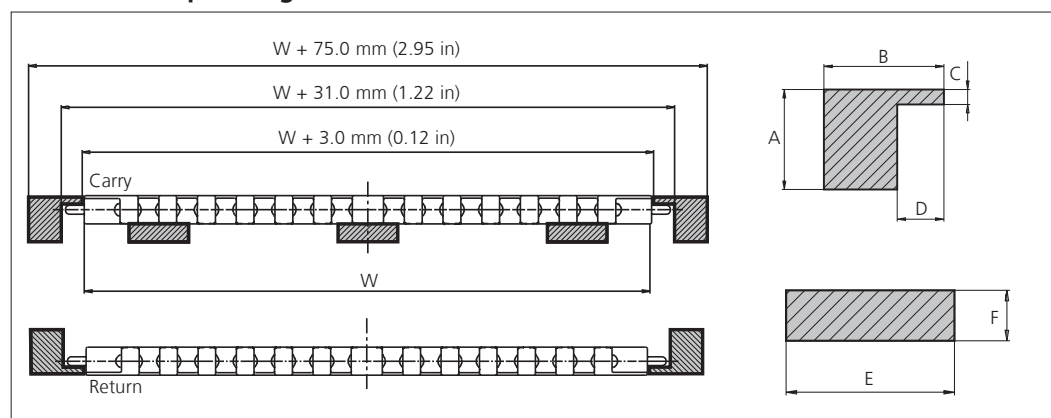
|   | mm   | in   |
|---|------|------|
| A | 30.0 | 1.18 |
| B | 4.5  | 0.18 |
| C | 8.0  | 0.31 |
| D | 18.0 | 0.71 |
| E | 22.0 | 0.87 |
| F | 14.0 | 0.55 |

### 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

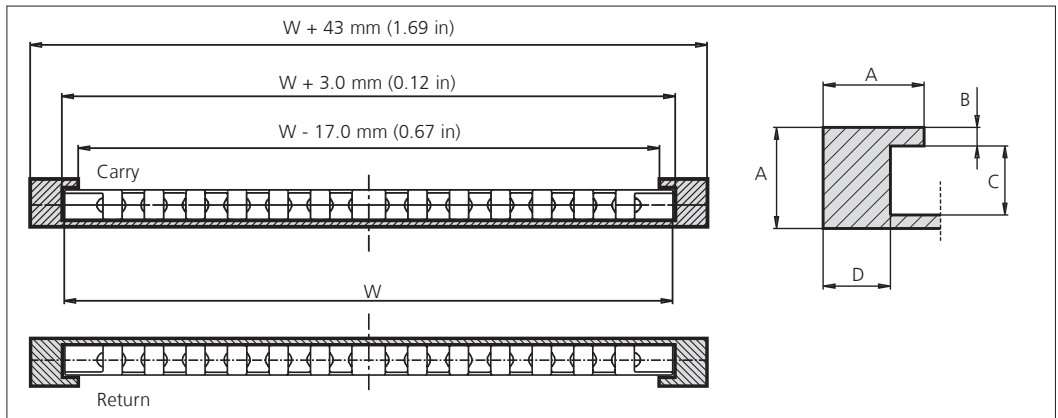
Using the uni Flex ONE with O-Tab and a slotted wearstrip, the O-Tab will allow the transported products to be wider than the belt. O-Tabs are molded into the belt to ensure cleanability and are preferred for direct food contact.

#### 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.

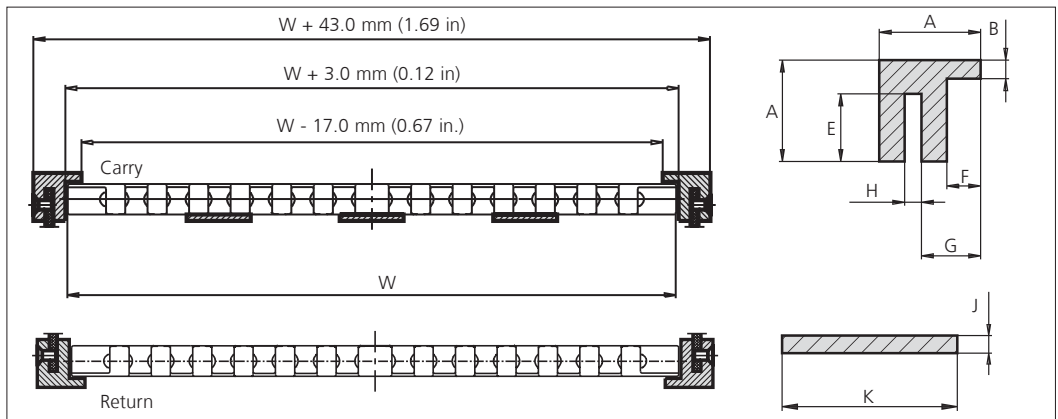
## Profiles for uni Flex ONE EW/ER

### Compact Profile Configuration



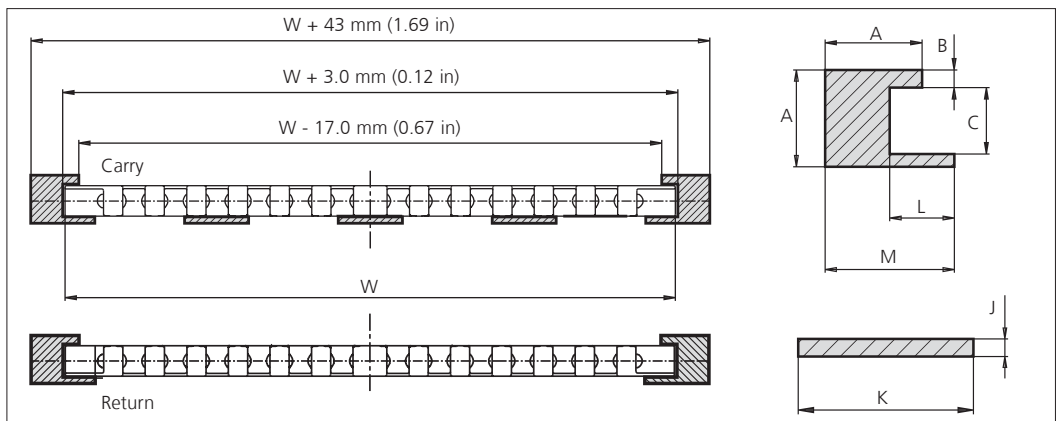
|   | mm   | in   |
|---|------|------|
| A | 30.0 | 1.18 |
| B | 5.5  | 0.22 |
| C | 20.5 | 0.81 |
| D | 20.0 | 0.79 |

### 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)

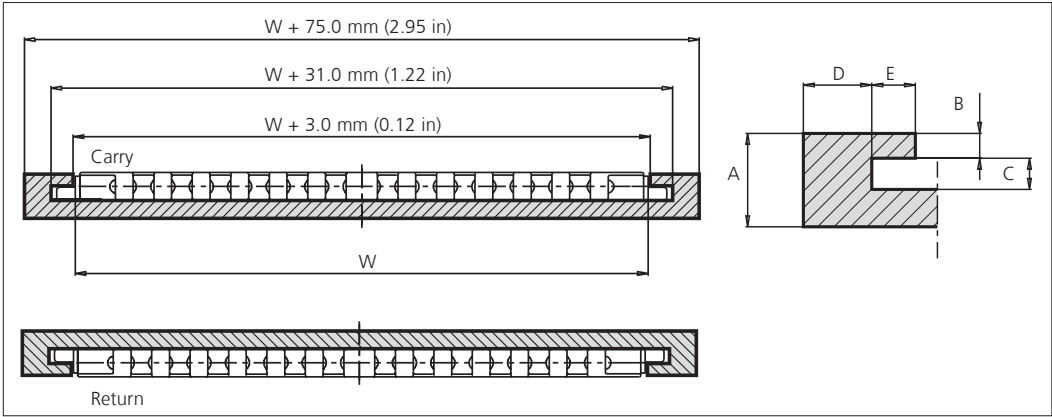
Exchangeable Wearpart system is made of heat and wear resistant material to improve performance between the belt edge and the wearstrip. This Wearpart can easily be replaced. Resists high curve load at increased speed.

#### 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.

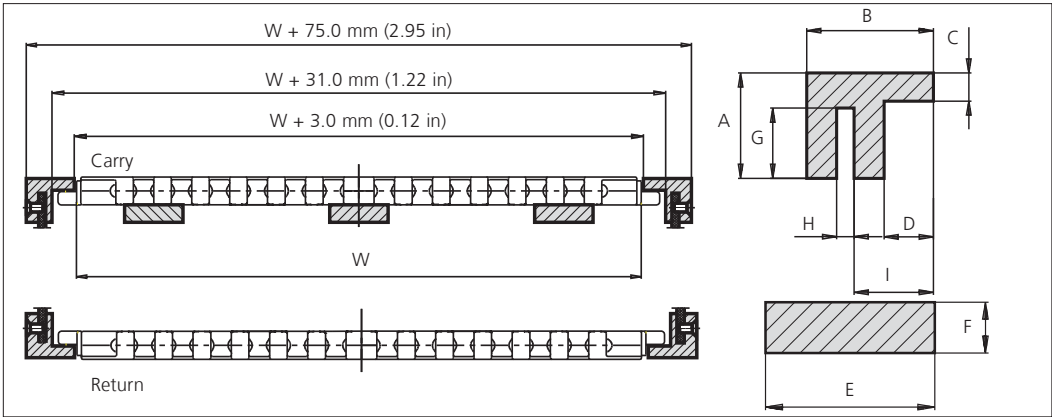
# Profiles for uni Flex ONE EOO

## Compact Profile Configuration



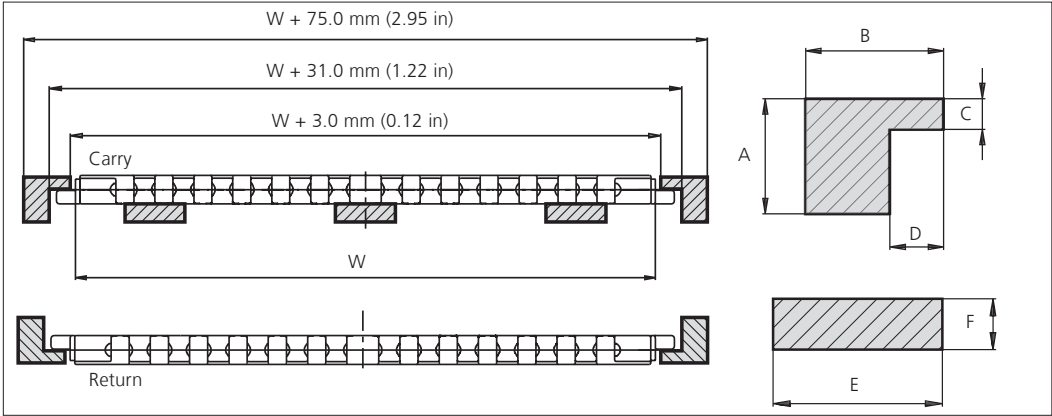
|   | mm   | in   |
|---|------|------|
| A | 30.0 | 1.18 |
| B | 8.0  | 0.31 |
| C | 10.0 | 0.39 |
| D | 22.0 | 0.87 |
| E | 14.0 | 0.55 |

## 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



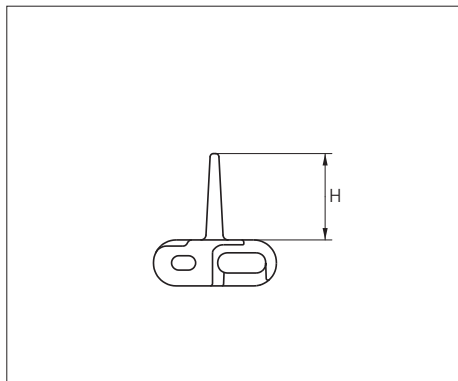
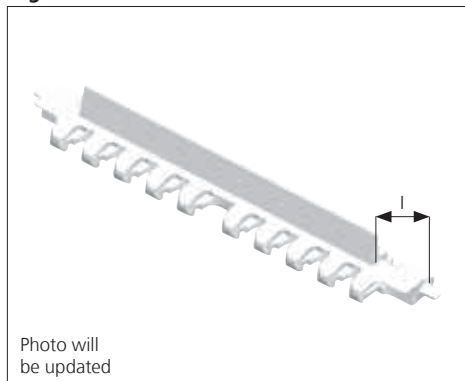
|   | mm   | in   |
|---|------|------|
| A | 30.0 | 1.18 |
| B | 36.0 | 1.42 |
| C | 8.0  | 0.31 |
| D | 14.0 | 0.55 |
| E | 40.0 | 1.57 |
| F | 12.0 | 0.47 |

### 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

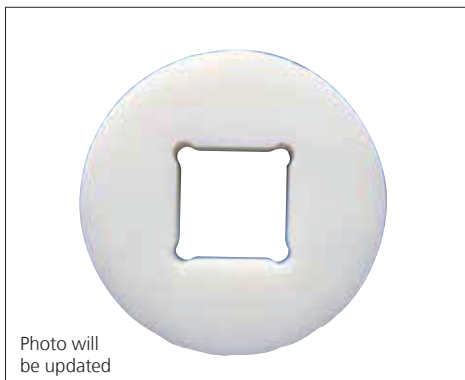


| Type   | Standard belt material & color                                                                                                                                               | Height (H) |      | Indent (I) |      | Link size | Width |      |
|--------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|------|------------|------|-----------|-------|------|
|        |                                                                                                                                                                              | mm         | in   | mm         | in   |           | mm    | in   |
| Flight | POM-SX   * | 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  | 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 |

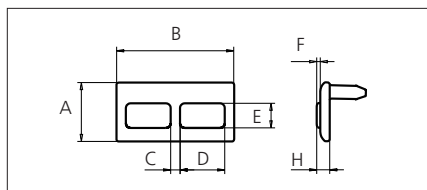
Thickness of idler: 20.0 mm (0.79 in).

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

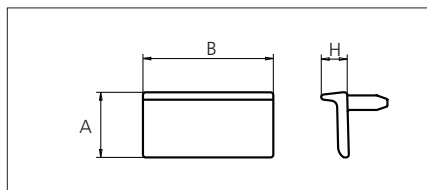
### Clip On Rubber Flat



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

## Accessories

### Clip On Flight



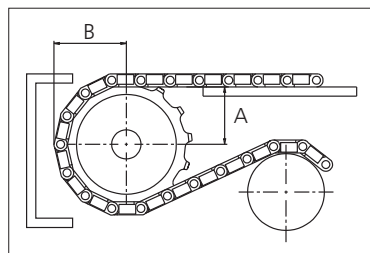
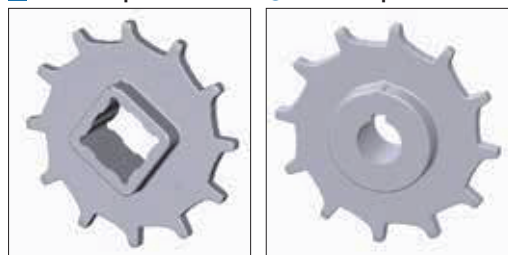
| Type                             | Height (H) |      | Standard materials & colors                                                                                                                                                                   |
|----------------------------------|------------|------|-----------------------------------------------------------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

## Sprocket

| No. of teeth | Bore size  |      |      |      |      |      |      |      | Overall diameter |      | Pitch diameter |      | Hub diameter |      | Dimension A |      | Dimension B |      | Single row/One way | Molded |
|--------------|------------|------|------|------|------|------|------|------|------------------|------|----------------|------|--------------|------|-------------|------|-------------|------|--------------------|--------|
|              | Pilot Bore | in   | 0.98 | 1.00 | 1.18 | 1.25 | 1.50 | 1.57 |                  |      |                |      |              |      |             |      |             |      |                    |        |
|              | mm         | 25.0 | 25.4 | 30.0 | 31.8 | 38.1 | 40.0 |      | mm               | in   | mm             | in   | mm           | in   | mm          | in   | mm          | in   |                    |        |
| Z08          | ✓          |      | ■    | ●    | ●    | ●    | ●    |      | 101              | 3.98 | 99.6           | 3.93 | 60.0         | 2.36 | 36.5        | 1.44 | 59.0        | 2.32 | ✓                  | ✓      |
| Z09          | ✓          |      |      | ●    | ●    | ●    | ●    |      | 113.7            | 4.48 | 111.4          | 4.39 | 70.0         | 2.76 | 42.8        | 1.69 | 64.9        | 2.56 | ✓                  | ✓      |
| Z09          |            |      |      |      |      |      | ■    | ■    | 113.7            | 4.48 | 111.4          | 4.39 | 74.0         | 2.91 | 42.8        | 1.69 | 64.9        | 2.56 | ✓                  | ✓      |
| Z11          | ✓          |      |      | ●    | ●    | ●    |      |      | 138.8            | 5.46 | 135.2          | 5.32 | 70.0         | 2.76 | 55.4        | 2.18 | 76.9        | 3.03 | ✓                  | ✓      |
| Z11          |            |      |      |      |      |      | ■    | ■    | 138.8            | 5.46 | 135.2          | 5.32 | 74.0         | 2.91 | 55.4        | 2.18 | 76.9        | 3.03 | ✓                  | ✓      |
| Z12          | ✓          |      |      |      | ●    | ●    | ●    | ●    | 151.2            | 5.95 | 147.2          | 5.80 | 70.0         | 2.76 | 61.6        | 2.43 | 82.9        | 3.26 | ✓                  | ✓      |
| Z12          |            |      |      |      |      |      | ■    | ■    | 151.2            | 5.95 | 147.2          | 5.80 | 74.0         | 2.91 | 61.6        | 2.43 | 82.9        | 3.26 | ✓                  | ✓      |
| Z13          | ✓          |      |      |      | ●    | ●    | ●    | ●    | 163.6            | 6.44 | 159.2          | 6.27 | 70.0         | 2.76 | 67.8        | 2.67 | 88.9        | 3.50 | ✓                  | ✓      |
| Z13          |            |      |      |      |      |      | ■    | ■    | 163.6            | 6.44 | 159.2          | 6.27 | 74.0         | 2.91 | 67.8        | 2.67 | 88.9        | 3.50 | ✓                  | ✓      |
| Z16          | ✓          |      |      |      | ●    | ●    | ●    | ●    | 200.5            | 7.89 | 195.3          | 7.69 | 70.0         | 2.76 | 86.3        | 3.40 | 107.0       | 4.21 | ✓                  | ✓      |
| Z16          |            |      |      |      |      |      | ■    | ■    | 200.5            | 7.89 | 195.3          | 7.69 | 74.0         | 2.91 | 86.3        | 3.40 | 107.0       | 4.21 | ✓                  | ✓      |

■ Molded sprocket

● Molded sprocket



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.

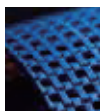
Non standard material  
 and color: See uni  
 Material and Color  
 Overview.



Conveyor Belts



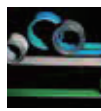
Seamless Belts



Modular Belts



Timing Belts



Transmission Belts

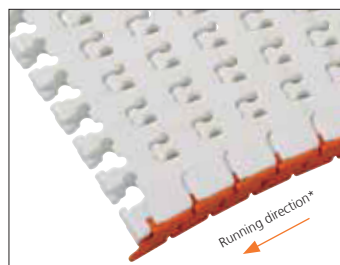


Fabrication  
& service

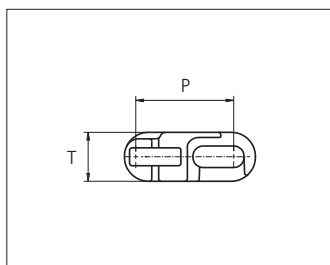
Expert advice, quality solutions  
and local service  
for all your belting needs  
**[www.unichains.com](http://www.unichains.com)**

# Plastic Modular Belt

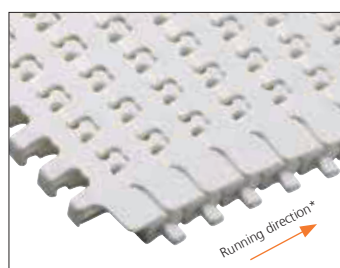
Series **uni Flex ONE**



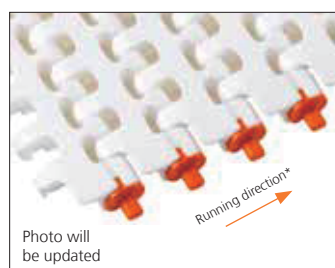
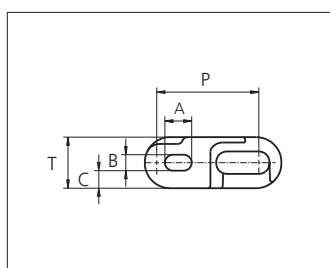
**uni Flex ONE EWC R1.6**  
Surface Opening: 15%



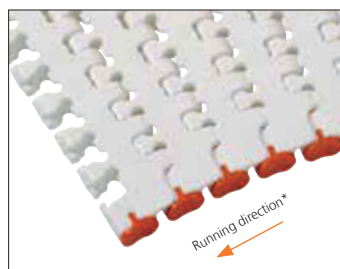
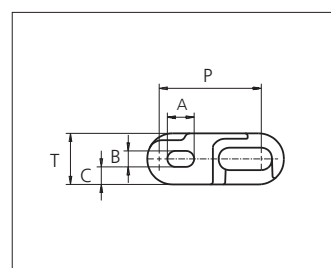
Sideflexing belt  
Nominal pitch: 38.1 mm (1.50 in)  
Surface type: Flat  
Surface opening: 15%  
Backflex radius: 50.0 mm (1.97 in)  
Min. inside radius R1.6 x belt width



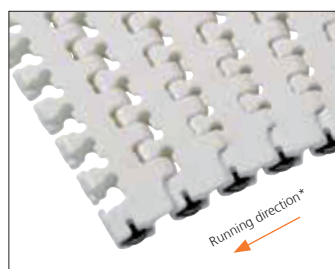
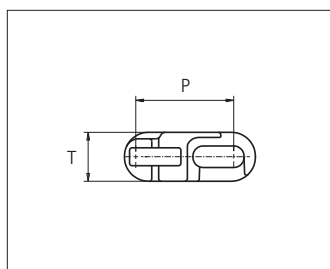
**uni Flex ONE O R1.6**  
Surface Opening: 15%



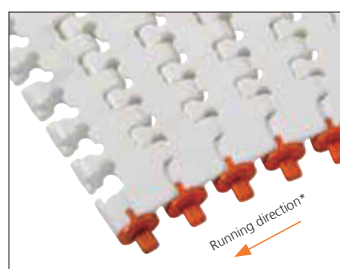
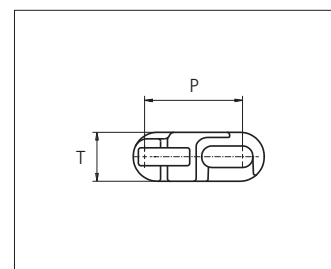
**uni Flex ONE EO R1.6**  
Surface Opening: 15%



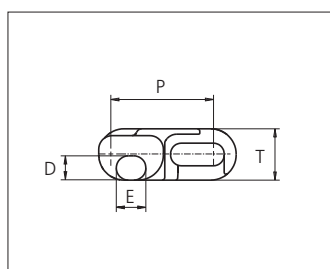
**uni Flex ONE EW R1.6**  
Surface Opening: 15%



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



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



\*uni-chains recommends this travel direction. However travel in both directions is possible.

|                       | mm   | in   |          | mm   | in   |
|-----------------------|------|------|----------|------|------|
| <b>P</b><br>(Nominal) | 38.1 | 1.50 | <b>D</b> | 9.0  | 0.35 |
| <b>A</b>              | 10.0 | 0.39 | <b>E</b> | 11.0 | 0.43 |
| <b>B</b>              | 5.9  | 0.23 | <b>T</b> | 19.1 | 0.75 |
| <b>C</b>              | 6.6  | 0.26 | -        | -    | -    |

|                                             |                                                                                                                                                                                                                                                                                                                                         |
|---------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Belt material &amp; color</b>            | POM-SX <span style="background-color: white; border: 1px solid black; padding: 0 2px;">B</span> **                                                                                                                                                                                                                                      |
| <b>O-Tab, Wearpart material &amp; color</b> | POM DK <span style="background-color: orange; border: 1px solid black; padding: 0 2px;">O</span>                                                                                                                                                                                                                                        |
| <b>EWC Wearpart material &amp; color</b>    | K750: POM DK <span style="background-color: yellow; border: 1px solid black; padding: 0 2px;"></span><br>K1200, K1500, K1800: POM DK <span style="background-color: orange; border: 1px solid black; padding: 0 2px;">O</span><br>K2400: POM DK <span style="background-color: blue; border: 1px solid black; padding: 0 2px;">B</span> |

\*\*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<br>Belt/pin material |      |                |     | Belt weight<br>Belt material |       | *Recommended<br>No. drive<br>sprocket<br>per shaft | Number of wear<br>strips (Min No.) |                   |
|------------|-------|------|--------|------------------------------------------------|------|----------------|-----|------------------------------|-------|----------------------------------------------------|------------------------------------|-------------------|
|            |       |      |        | POM-SX                                         |      |                |     | POM-SX                       |       |                                                    | **Carry<br>(pcs)                   | **Return<br>(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  |                                                    |                                    |                   |

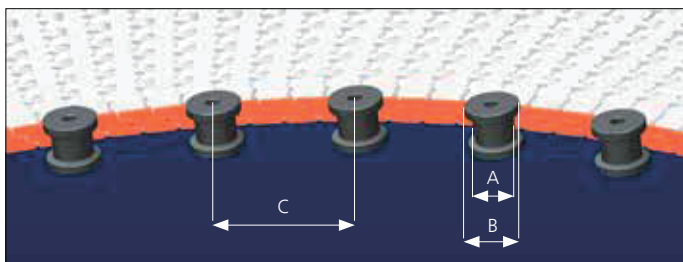
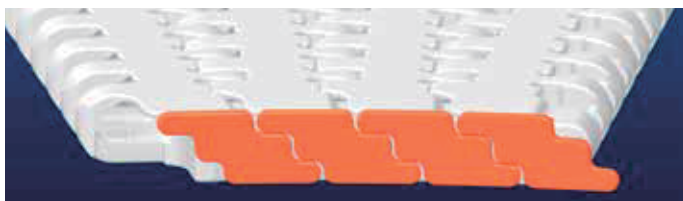
General belt tolerance is +0/-0.4% at 23°C/73°F.

\*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

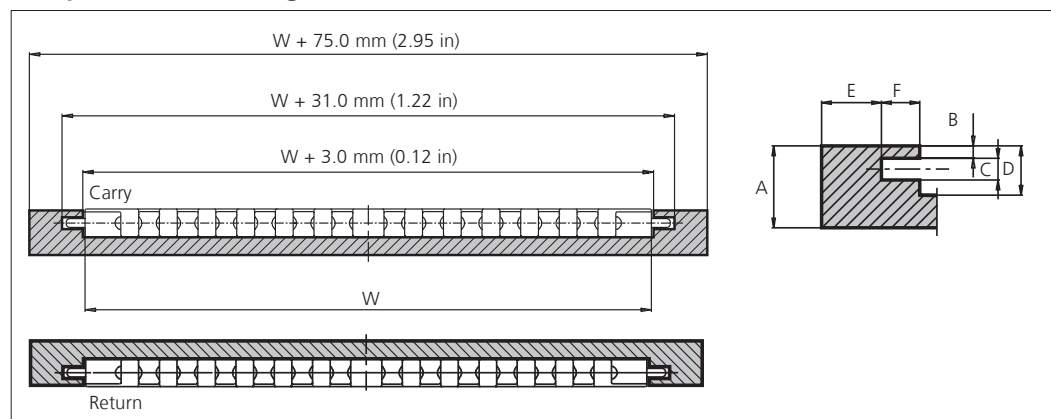
### uni Flex One EWC



|          | mm         | in        |
|----------|------------|-----------|
| <b>A</b> | min Ø30    | min Ø1¼   |
| <b>B</b> | A + min 12 | A + min ½ |
| <b>C</b> | 100-150    | 4-6       |

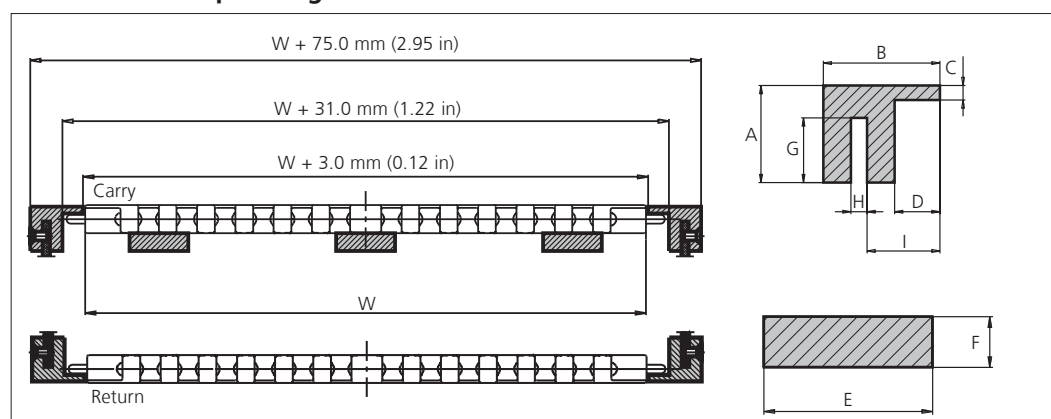
## Profiles for uni Flex ONE O/EO

### Compact Profile Configuration



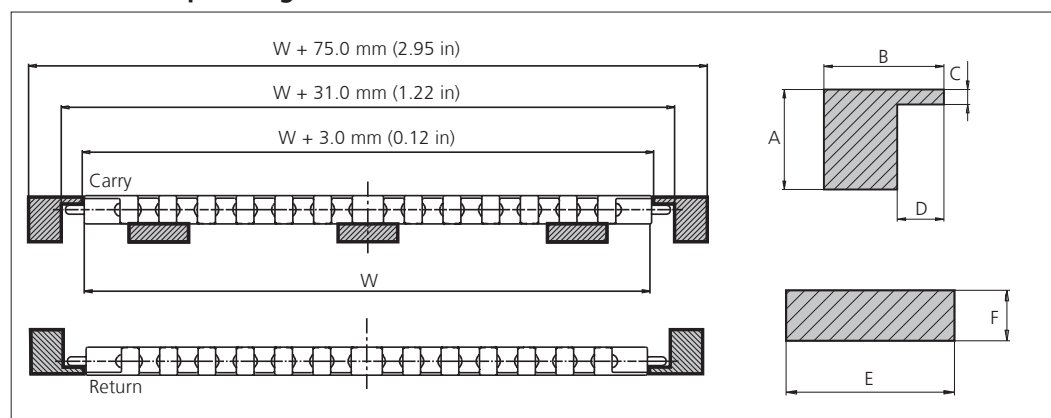
|   | mm   | in   |
|---|------|------|
| A | 30.0 | 1.18 |
| B | 4.5  | 0.18 |
| C | 8.0  | 0.31 |
| D | 18.0 | 0.71 |
| E | 22.0 | 0.87 |
| F | 14.0 | 0.55 |

### 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

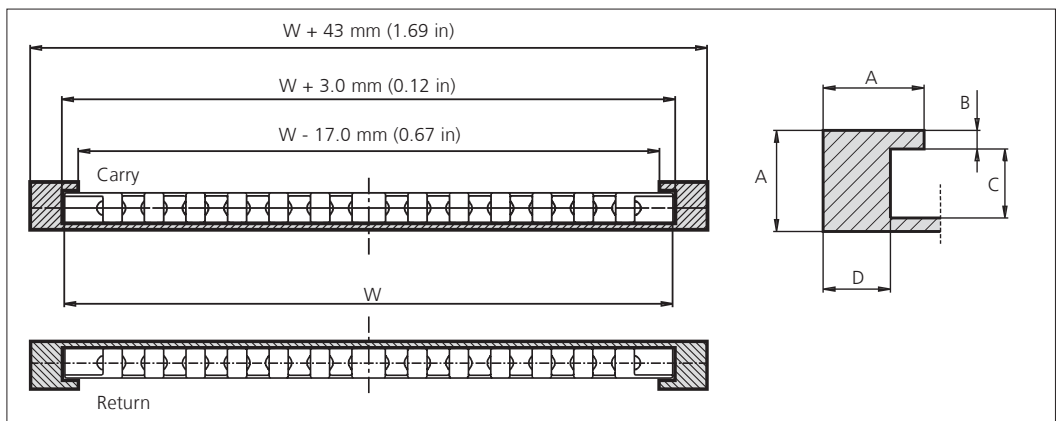
Using the uni Flex ONE with O-Tab and a slotted wearstrip, the O-Tab will allow the transported products to be wider than the belt. O-Tabs are molded into the belt to ensure cleanability and are preferred for direct food contact.

#### 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.

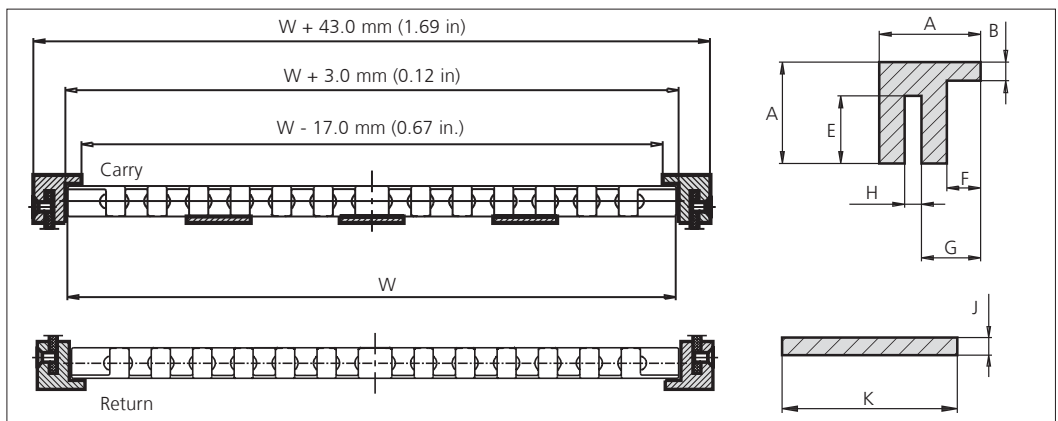
## Profiles for uni Flex ONE EW/ER

### Compact Profile Configuration



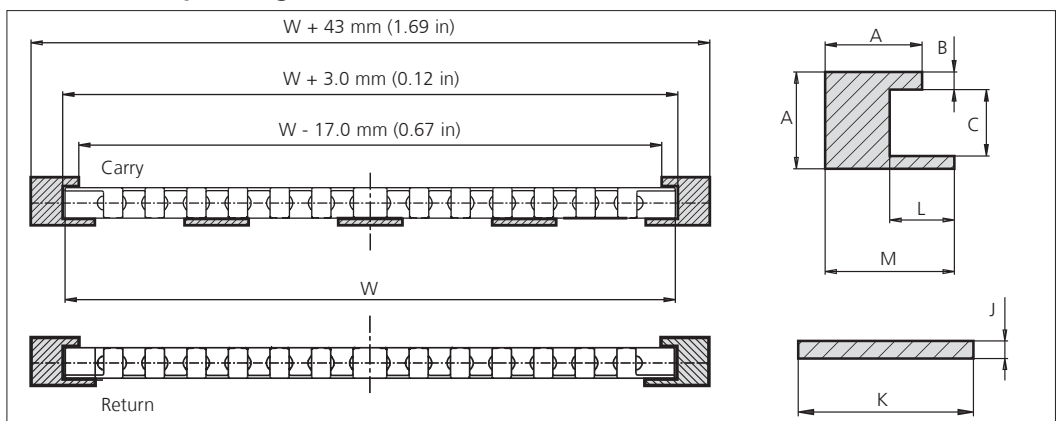
|          | mm   | in   |
|----------|------|------|
| <b>A</b> | 30.0 | 1.18 |
| <b>B</b> | 5.5  | 0.22 |
| <b>C</b> | 20.5 | 0.81 |
| <b>D</b> | 20.0 | 0.79 |

### Slotted Wearstrip Configuration



|          | mm   | in   |
|----------|------|------|
| <b>A</b> | 30.0 | 1.18 |
| <b>B</b> | 5.5  | 0.22 |
| <b>E</b> | 20.0 | 0.79 |
| <b>F</b> | 10.0 | 0.39 |
| <b>G</b> | 17.5 | 0.69 |
| <b>H</b> | 5.0  | 0.20 |
| <b>J</b> | 4.0  | 0.16 |
| <b>K</b> | 40.0 | 1.57 |

### Solid Wearstrip Configuration



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

#### uni Flex ONE EW (Exchangeable Wearpart)

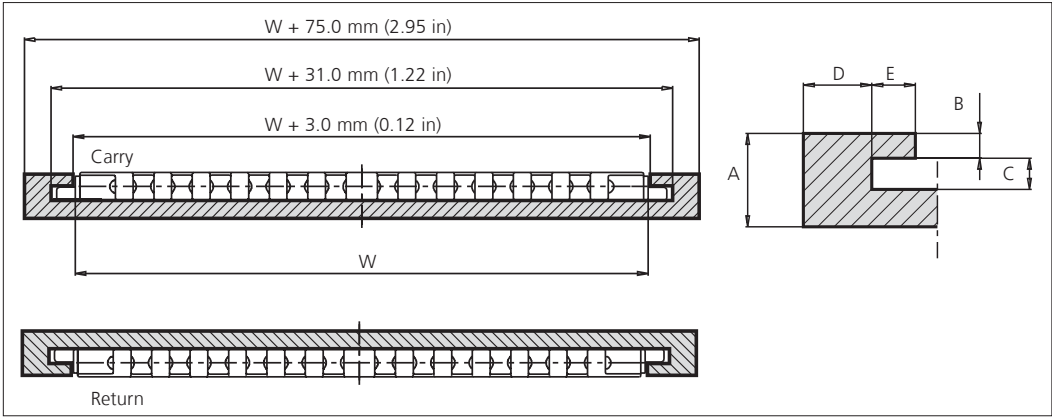
Exchangeable Wearpart system is made of heat and wear resistant material to improve performance between the belt edge and the wearstrip. This Wearpart can easily be replaced. Resists high curve load at increased speed.

#### 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.

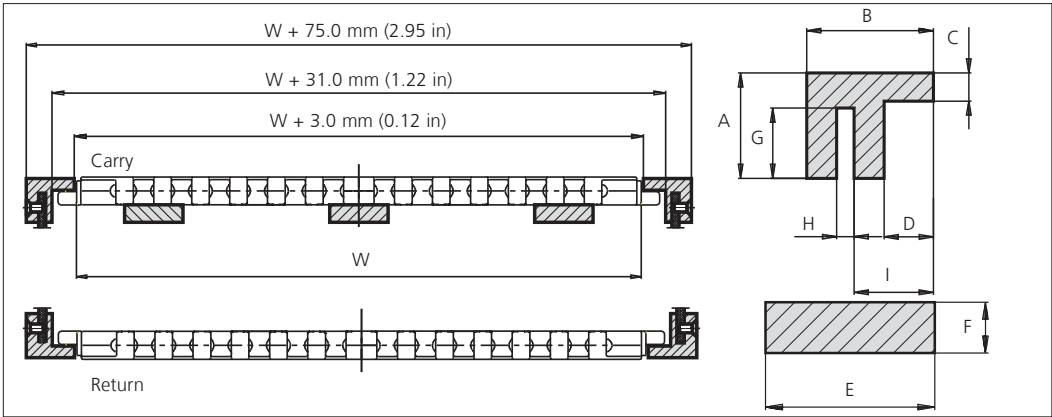
# Profiles for uni Flex ONE EOO

## Compact Profile Configuration



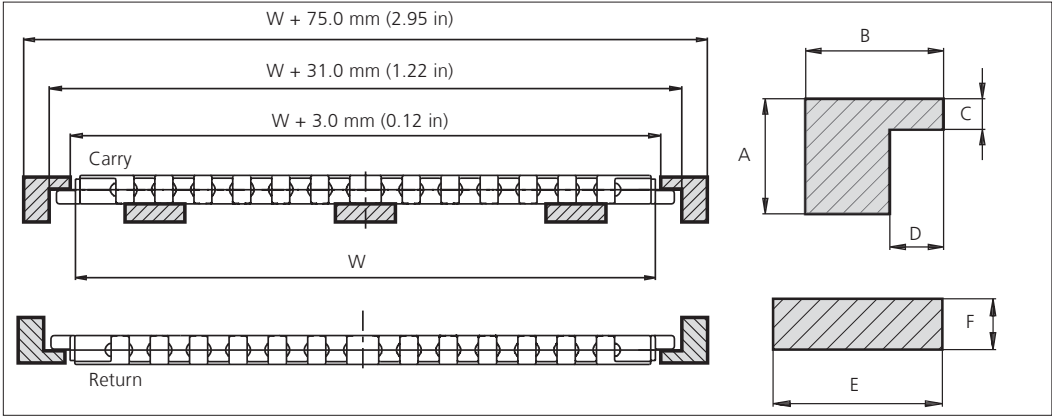
|   | mm   | in   |
|---|------|------|
| A | 30.0 | 1.18 |
| B | 8.0  | 0.31 |
| C | 10.0 | 0.39 |
| D | 22.0 | 0.87 |
| E | 14.0 | 0.55 |

## 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



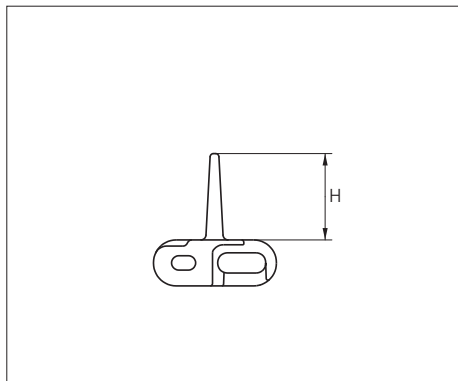
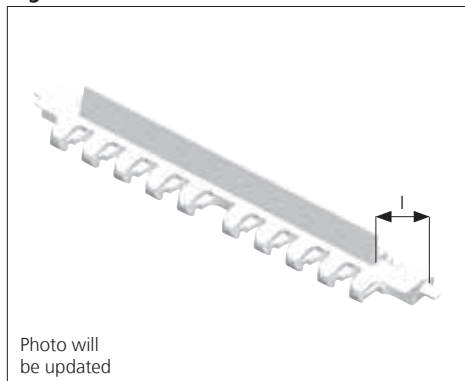
|   | mm   | in   |
|---|------|------|
| A | 30.0 | 1.18 |
| B | 36.0 | 1.42 |
| C | 8.0  | 0.31 |
| D | 14.0 | 0.55 |
| E | 40.0 | 1.57 |
| F | 12.0 | 0.47 |

### 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

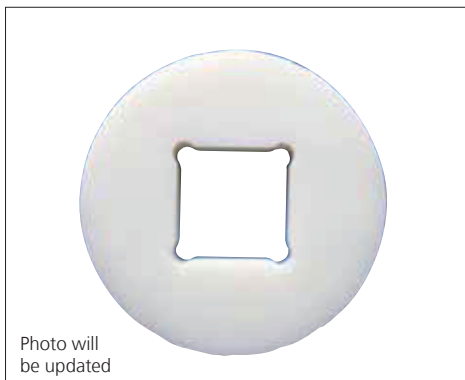


| Type   | Standard belt material & color                                                                                                                                               | Height (H) |      | Indent (I) |      | Link size | Width |      |
|--------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|------|------------|------|-----------|-------|------|
|        |                                                                                                                                                                              | mm         | in   | mm         | in   |           | mm    | in   |
| Flight | POM-SX   * | 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  | 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 |

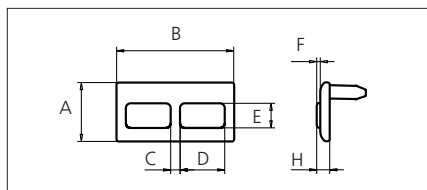
Thickness of idler: 20.0 mm (0.79 in).

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

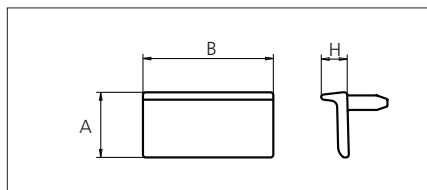
### Clip On Rubber Flat



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

## Accessories

### Clip On Flight



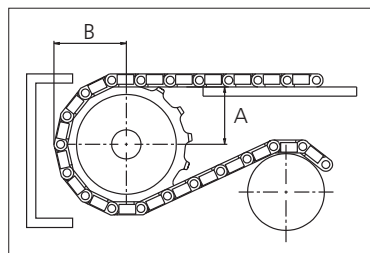
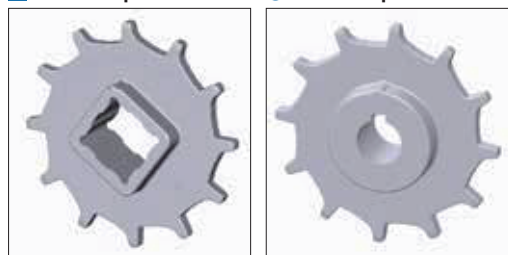
| Type                             | Height (H) |      | Standard materials & colors                                                                                                                                                                   |
|----------------------------------|------------|------|-----------------------------------------------------------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

## Sprocket

| No. of teeth | Bore size  |      |      |      |      |      |      |      | Overall diameter |      | Pitch diameter |      | Hub diameter |      | Dimension A |      | Dimension B |      | Single row/One way | Molded |
|--------------|------------|------|------|------|------|------|------|------|------------------|------|----------------|------|--------------|------|-------------|------|-------------|------|--------------------|--------|
|              | Pilot Bore | in   | 0.98 | 1.00 | 1.18 | 1.25 | 1.50 | 1.57 |                  |      |                |      |              |      |             |      |             |      |                    |        |
|              | mm         | 25.0 | 25.4 | 30.0 | 31.8 | 38.1 | 40.0 |      | mm               | in   | mm             | in   | mm           | in   | mm          | in   | mm          | in   |                    |        |
| Z08          | ✓          |      | ■    | ●    | ●    | ●    | ●    |      | 101              | 3.98 | 99.6           | 3.93 | 60.0         | 2.36 | 36.5        | 1.44 | 59.0        | 2.32 | ✓                  | ✓      |
| Z09          | ✓          |      |      | ●    | ●    | ●    | ●    |      | 113.7            | 4.48 | 111.4          | 4.39 | 70.0         | 2.76 | 42.8        | 1.69 | 64.9        | 2.56 | ✓                  | ✓      |
| Z09          |            |      |      |      |      |      | ■    | ■    | 113.7            | 4.48 | 111.4          | 4.39 | 74.0         | 2.91 | 42.8        | 1.69 | 64.9        | 2.56 | ✓                  | ✓      |
| Z11          | ✓          |      |      | ●    | ●    | ●    |      |      | 138.8            | 5.46 | 135.2          | 5.32 | 70.0         | 2.76 | 55.4        | 2.18 | 76.9        | 3.03 | ✓                  | ✓      |
| Z11          |            |      |      |      |      |      | ■    | ■    | 138.8            | 5.46 | 135.2          | 5.32 | 74.0         | 2.91 | 55.4        | 2.18 | 76.9        | 3.03 | ✓                  | ✓      |
| Z12          | ✓          |      |      |      | ●    | ●    | ●    | ●    | 151.2            | 5.95 | 147.2          | 5.80 | 70.0         | 2.76 | 61.6        | 2.43 | 82.9        | 3.26 | ✓                  | ✓      |
| Z12          |            |      |      |      |      |      | ■    | ■    | 151.2            | 5.95 | 147.2          | 5.80 | 74.0         | 2.91 | 61.6        | 2.43 | 82.9        | 3.26 | ✓                  | ✓      |
| Z13          | ✓          |      |      |      | ●    | ●    | ●    | ●    | 163.6            | 6.44 | 159.2          | 6.27 | 70.0         | 2.76 | 67.8        | 2.67 | 88.9        | 3.50 | ✓                  | ✓      |
| Z13          |            |      |      |      |      |      | ■    | ■    | 163.6            | 6.44 | 159.2          | 6.27 | 74.0         | 2.91 | 67.8        | 2.67 | 88.9        | 3.50 | ✓                  | ✓      |
| Z16          | ✓          |      |      |      | ●    | ●    | ●    | ●    | 200.5            | 7.89 | 195.3          | 7.69 | 70.0         | 2.76 | 86.3        | 3.40 | 107.0       | 4.21 | ✓                  | ✓      |
| Z16          |            |      |      |      |      |      | ■    | ■    | 200.5            | 7.89 | 195.3          | 7.69 | 74.0         | 2.91 | 86.3        | 3.40 | 107.0       | 4.21 | ✓                  | ✓      |

■ Molded sprocket

● Molded sprocket



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.

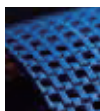
Non standard material  
 and color: See uni  
 Material and Color  
 Overview.



Conveyor Belts



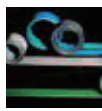
Seamless Belts



Modular Belts



Timing Belts



Transmission Belts

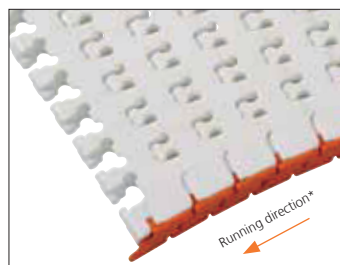


Fabrication  
& service

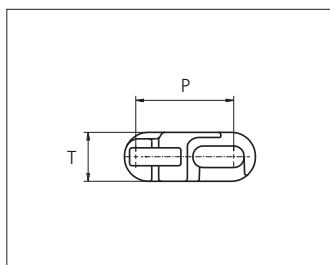
Expert advice, quality solutions  
and local service  
for all your belting needs  
**[www.unichains.com](http://www.unichains.com)**

# Plastic Modular Belt

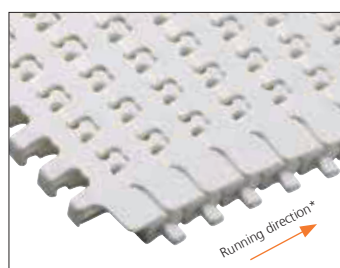
Series **uni Flex ONE**



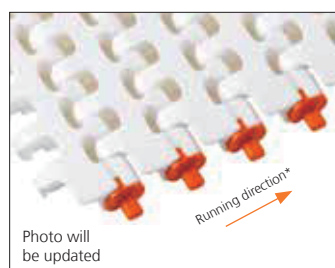
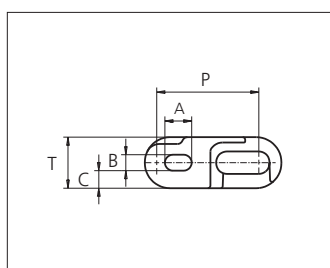
**uni Flex ONE EWC R1.6**  
Surface Opening: 15%



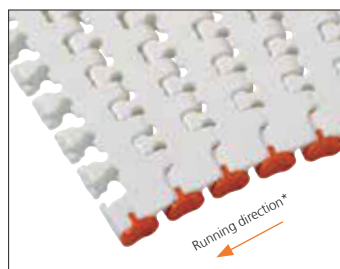
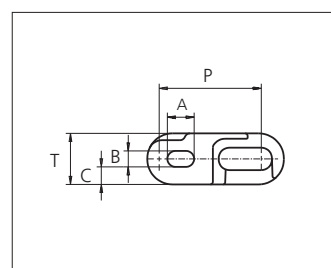
Sideflexing belt  
Nominal pitch: 38.1 mm (1.50 in)  
Surface type: Flat  
Surface opening: 15%  
Backflex radius: 50.0 mm (1.97 in)  
Min. inside radius R1.6 x belt width



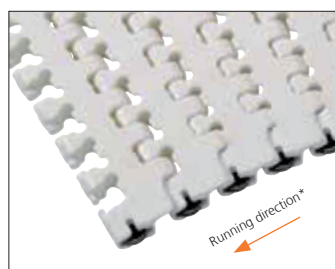
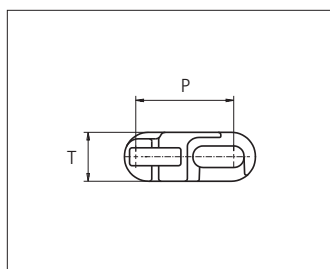
**uni Flex ONE O R1.6**  
Surface Opening: 15%



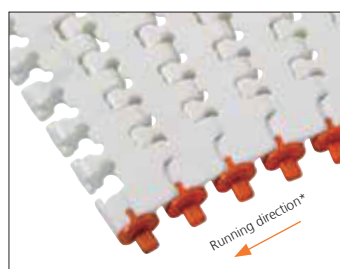
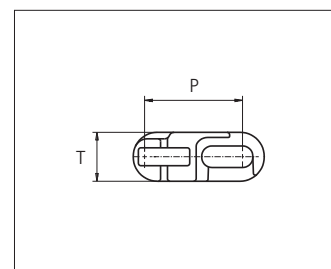
**uni Flex ONE EO R1.6**  
Surface Opening: 15%



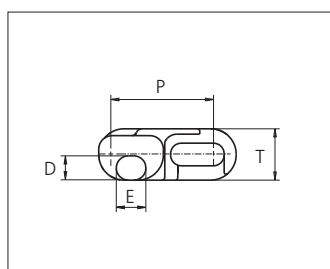
**uni Flex ONE EW R1.6**  
Surface Opening: 15%



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



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



\*uni-chains recommends this travel direction. However travel in both directions is possible.

|                    | mm   | in   |          | mm   | in   |
|--------------------|------|------|----------|------|------|
| <b>P (Nominal)</b> | 38.1 | 1.50 | <b>D</b> | 9.0  | 0.35 |
| <b>A</b>           | 10.0 | 0.39 | <b>E</b> | 11.0 | 0.43 |
| <b>B</b>           | 5.9  | 0.23 | <b>T</b> | 19.1 | 0.75 |
| <b>C</b>           | 6.6  | 0.26 | -        | -    | -    |

|                                             |                                                                                                                                                                                                                                                                                                                                         |
|---------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Belt material &amp; color</b>            | POM-SX <span style="background-color: white; border: 1px solid black; padding: 0 2px;">B</span> **                                                                                                                                                                                                                                      |
| <b>O-Tab, Wearpart material &amp; color</b> | POM DK <span style="background-color: orange; border: 1px solid black; padding: 0 2px;">O</span>                                                                                                                                                                                                                                        |
| <b>EWC Wearpart material &amp; color</b>    | K750: POM DK <span style="background-color: yellow; border: 1px solid black; padding: 0 2px;"></span><br>K1200, K1500, K1800: POM DK <span style="background-color: orange; border: 1px solid black; padding: 0 2px;">O</span><br>K2400: POM DK <span style="background-color: blue; border: 1px solid black; padding: 0 2px;">B</span> |

\*\*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<br>Belt/pin material |      |                |     | Belt weight<br>Belt material |       | *Recommended<br>No. drive<br>sprocket<br>per shaft | Number of wear<br>strips (Min No.) |                   |
|------------|-------|------|--------|------------------------------------------------|------|----------------|-----|------------------------------|-------|----------------------------------------------------|------------------------------------|-------------------|
|            |       |      |        | POM-SX                                         |      |                |     | POM-SX                       |       |                                                    | **Carry<br>(pcs)                   | **Return<br>(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  |                                                    |                                    |                   |

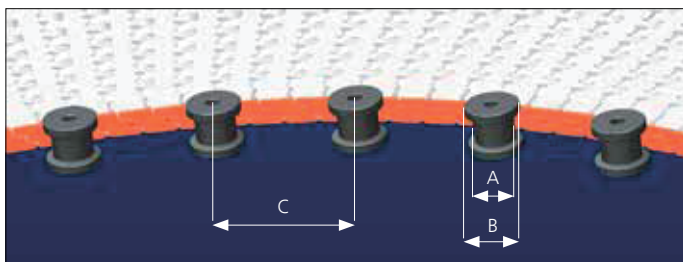
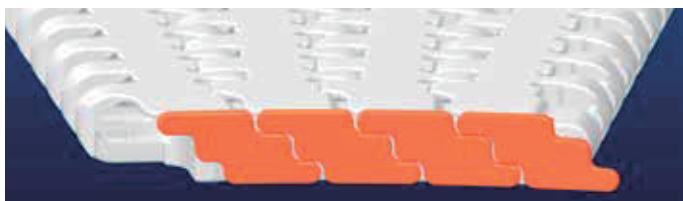
General belt tolerance is +0/-0.4% at 23°C/73°F.

\*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

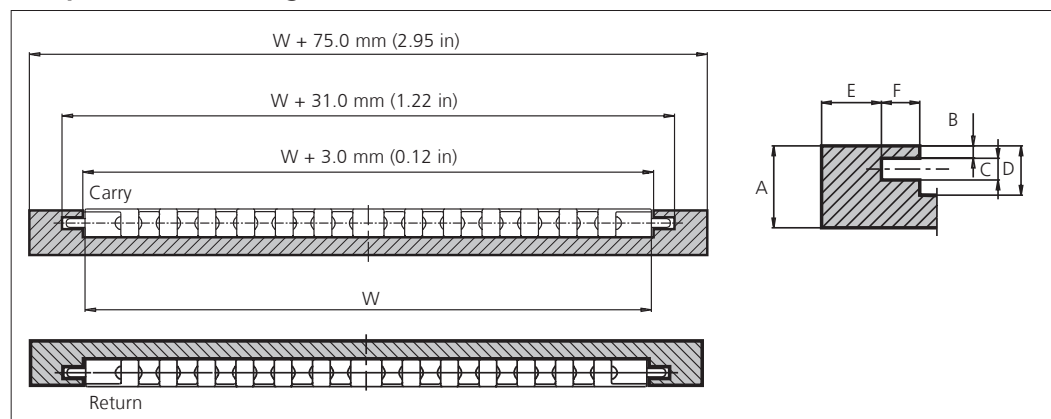
### uni Flex One EWC



|          | mm         | in        |
|----------|------------|-----------|
| <b>A</b> | min Ø30    | min Ø1¼   |
| <b>B</b> | A + min 12 | A + min ½ |
| <b>C</b> | 100-150    | 4-6       |

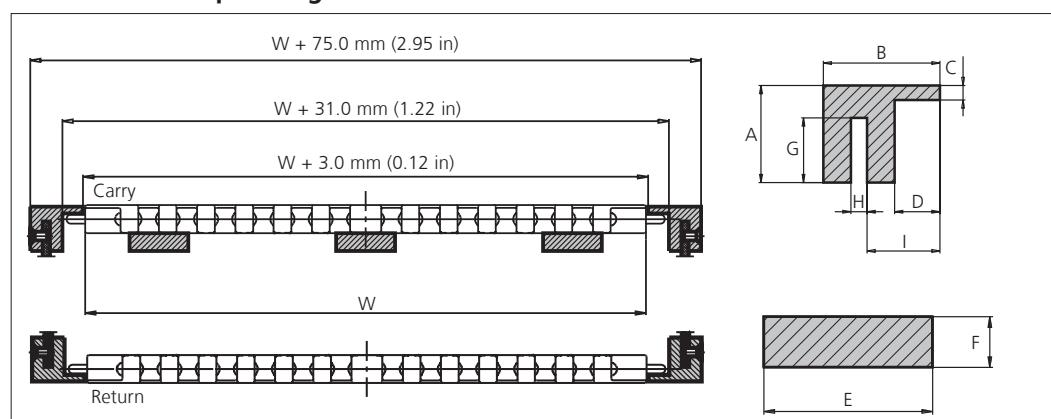
## Profiles for uni Flex ONE O/EO

### Compact Profile Configuration



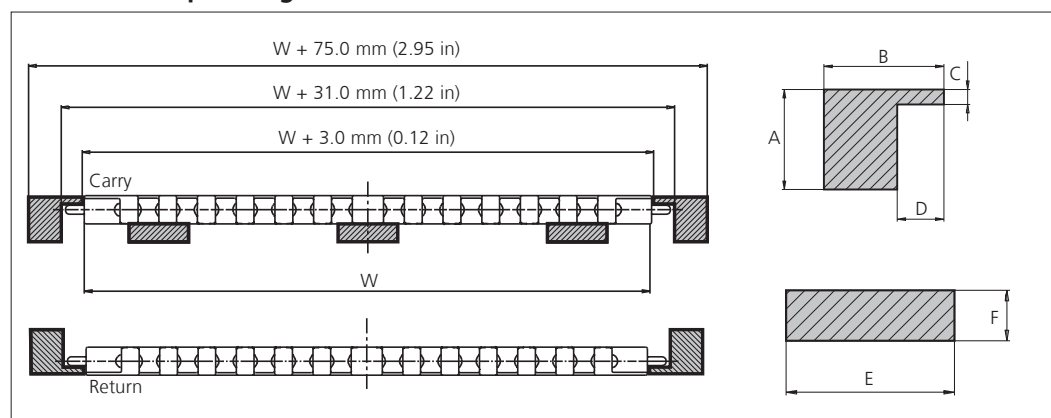
|   | mm   | in   |
|---|------|------|
| A | 30.0 | 1.18 |
| B | 4.5  | 0.18 |
| C | 8.0  | 0.31 |
| D | 18.0 | 0.71 |
| E | 22.0 | 0.87 |
| F | 14.0 | 0.55 |

### 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

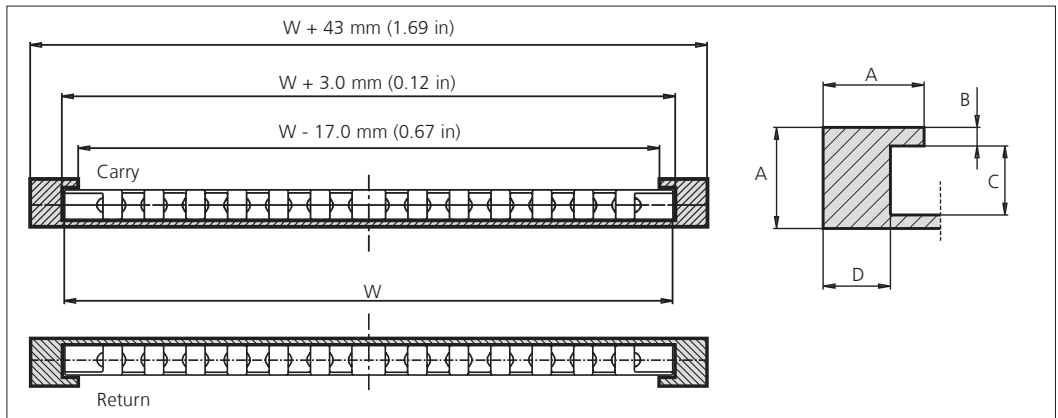
Using the uni Flex ONE with O-Tab and a slotted wearstrip, the O-Tab will allow the transported products to be wider than the belt. O-Tabs are molded into the belt to ensure cleanability and are preferred for direct food contact.

#### 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.

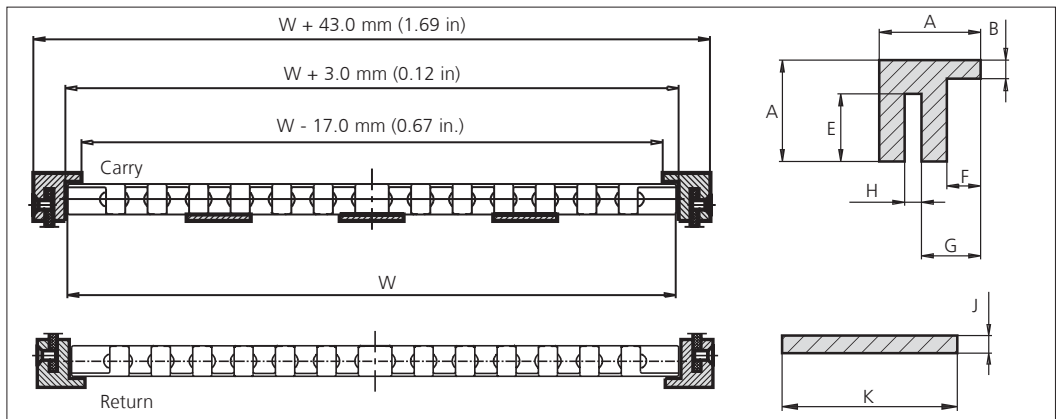
## Profiles for uni Flex ONE EW/ER

### Compact Profile Configuration



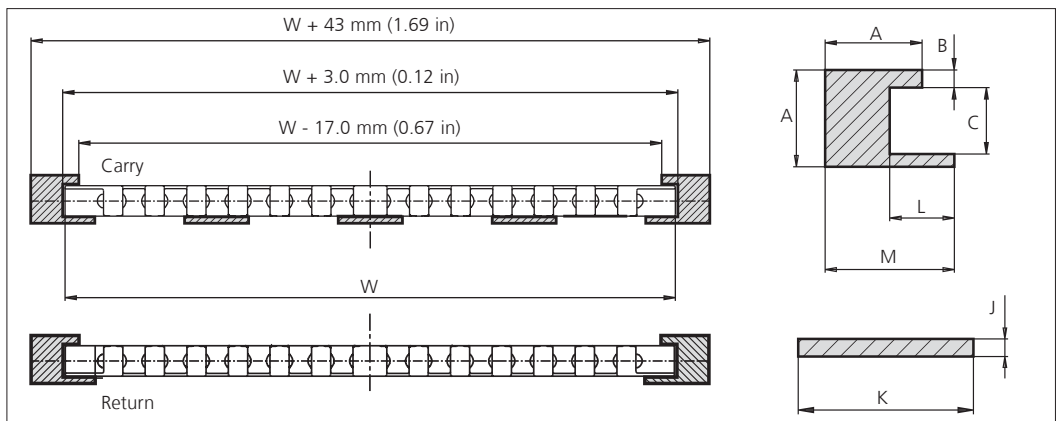
|          | mm   | in   |
|----------|------|------|
| <b>A</b> | 30.0 | 1.18 |
| <b>B</b> | 5.5  | 0.22 |
| <b>C</b> | 20.5 | 0.81 |
| <b>D</b> | 20.0 | 0.79 |

### Slotted Wearstrip Configuration



|          | mm   | in   |
|----------|------|------|
| <b>A</b> | 30.0 | 1.18 |
| <b>B</b> | 5.5  | 0.22 |
| <b>E</b> | 20.0 | 0.79 |
| <b>F</b> | 10.0 | 0.39 |
| <b>G</b> | 17.5 | 0.69 |
| <b>H</b> | 5.0  | 0.20 |
| <b>J</b> | 4.0  | 0.16 |
| <b>K</b> | 40.0 | 1.57 |

### Solid Wearstrip Configuration



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

#### uni Flex ONE EW (Exchangeable Wearpart)

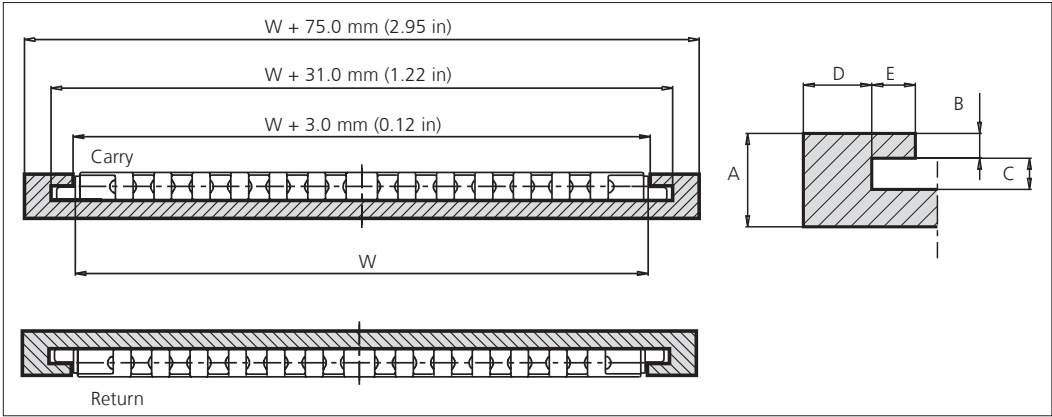
Exchangeable Wearpart system is made of heat and wear resistant material to improve performance between the belt edge and the wearstrip. This Wearpart can easily be replaced. Resists high curve load at increased speed.

#### 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.

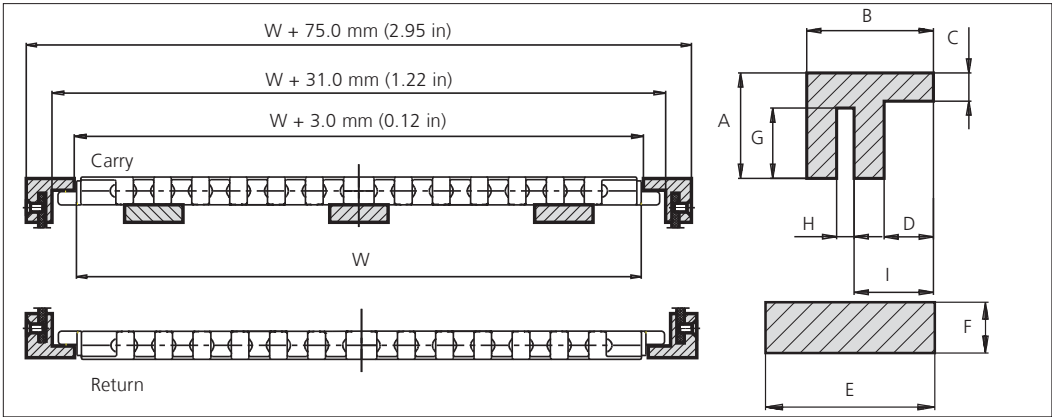
## Profiles for uni Flex ONE EOO

### Compact Profile Configuration



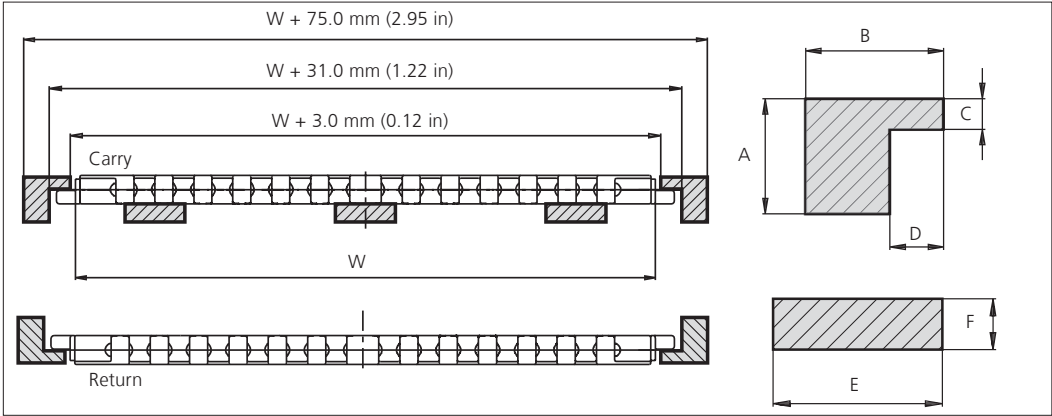
|          | mm   | in   |
|----------|------|------|
| <b>A</b> | 30.0 | 1.18 |
| <b>B</b> | 8.0  | 0.31 |
| <b>C</b> | 10.0 | 0.39 |
| <b>D</b> | 22.0 | 0.87 |
| <b>E</b> | 14.0 | 0.55 |

### Slotted Wearstrip Configuration



|          | mm   | in   |
|----------|------|------|
| <b>A</b> | 30.0 | 1.18 |
| <b>B</b> | 36.0 | 1.42 |
| <b>C</b> | 8.0  | 0.31 |
| <b>D</b> | 14.0 | 0.55 |
| <b>E</b> | 40.0 | 1.57 |
| <b>F</b> | 12.0 | 0.47 |
| <b>G</b> | 20.0 | 0.79 |
| <b>H</b> | 5.0  | 0.20 |
| <b>I</b> | 22.5 | 0.89 |

### Solid Wearstrip Configuration



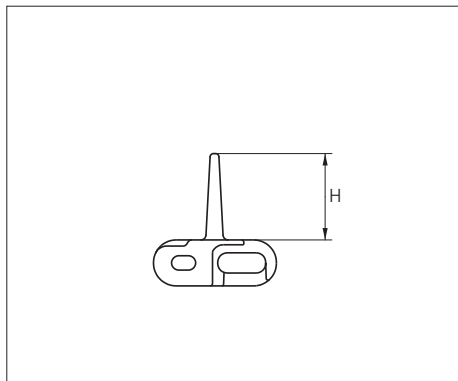
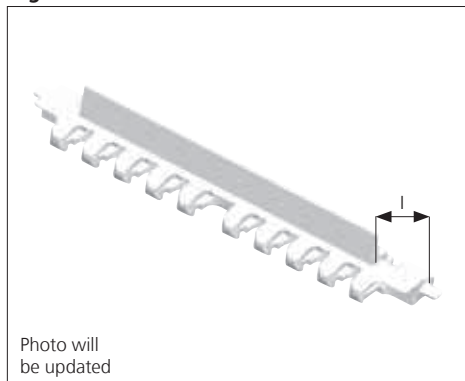
|          | mm   | in   |
|----------|------|------|
| <b>A</b> | 30.0 | 1.18 |
| <b>B</b> | 36.0 | 1.42 |
| <b>C</b> | 8.0  | 0.31 |
| <b>D</b> | 14.0 | 0.55 |
| <b>E</b> | 40.0 | 1.57 |
| <b>F</b> | 12.0 | 0.47 |

#### 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

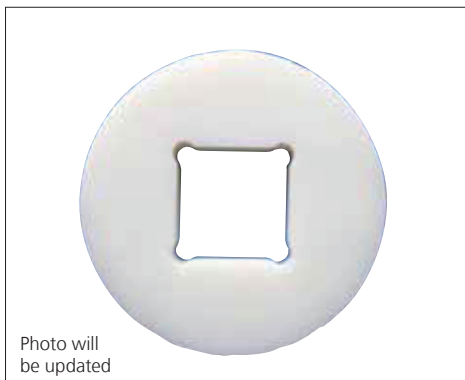


| Type   | Standard belt material & color                                                                                                                                               | Height (H) |      | Indent (I) |      | Link size | Width |      |
|--------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|------|------------|------|-----------|-------|------|
|        |                                                                                                                                                                              | mm         | in   | mm         | in   |           | mm    | in   |
| Flight | POM-SX   * | 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  | 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 |

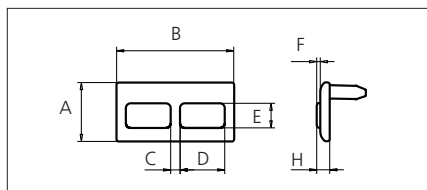
Thickness of idler: 20.0 mm (0.79 in).

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

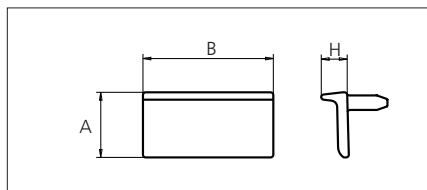
### Clip On Rubber Flat



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

## Accessories

### Clip On Flight



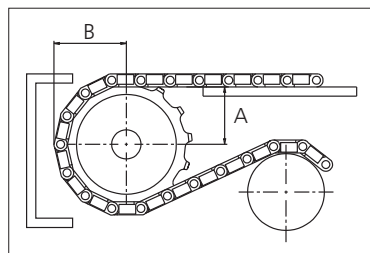
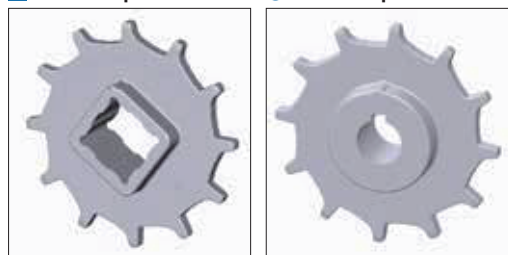
| Type                             | Height (H) |      | Standard materials & colors                                                                                                                                                                   |
|----------------------------------|------------|------|-----------------------------------------------------------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

## Sprocket

| No. of teeth | Bore size  |      |      |      |      |      |      |      | Overall diameter |      | Pitch diameter |      | Hub diameter |      | Dimension A |      | Dimension B |      | Single row/One way | Molded |
|--------------|------------|------|------|------|------|------|------|------|------------------|------|----------------|------|--------------|------|-------------|------|-------------|------|--------------------|--------|
|              | Pilot Bore | in   | 0.98 | 1.00 | 1.18 | 1.25 | 1.50 | 1.57 |                  |      |                |      |              |      |             |      |             |      |                    |        |
|              | mm         | 25.0 | 25.4 | 30.0 | 31.8 | 38.1 | 40.0 |      | mm               | in   | mm             | in   | mm           | in   | mm          | in   | mm          | in   |                    |        |
| Z08          | ✓          |      | ■    | ●    | ●    | ●    |      | ●    | 101              | 3.98 | 99.6           | 3.93 | 60.0         | 2.36 | 36.5        | 1.44 | 59.0        | 2.32 | ✓                  | ✓      |
| Z09          | ✓          |      |      | ●    | ●    | ●    |      | ●    | 113.7            | 4.48 | 111.4          | 4.39 | 70.0         | 2.76 | 42.8        | 1.69 | 64.9        | 2.56 | ✓                  | ✓      |
| Z09          |            |      |      |      |      |      | ■    | ■    | 113.7            | 4.48 | 111.4          | 4.39 | 74.0         | 2.91 | 42.8        | 1.69 | 64.9        | 2.56 | ✓                  | ✓      |
| Z11          | ✓          |      |      | ●    | ●    | ●    |      |      | 138.8            | 5.46 | 135.2          | 5.32 | 70.0         | 2.76 | 55.4        | 2.18 | 76.9        | 3.03 | ✓                  | ✓      |
| Z11          |            |      |      |      |      |      | ■    | ■    | 138.8            | 5.46 | 135.2          | 5.32 | 74.0         | 2.91 | 55.4        | 2.18 | 76.9        | 3.03 | ✓                  | ✓      |
| Z12          | ✓          |      |      |      | ●    | ●    | ●    | ●    | 151.2            | 5.95 | 147.2          | 5.80 | 70.0         | 2.76 | 61.6        | 2.43 | 82.9        | 3.26 | ✓                  | ✓      |
| Z12          |            |      |      |      |      |      | ■    | ■    | 151.2            | 5.95 | 147.2          | 5.80 | 74.0         | 2.91 | 61.6        | 2.43 | 82.9        | 3.26 | ✓                  | ✓      |
| Z13          | ✓          |      |      |      | ●    | ●    | ●    | ●    | 163.6            | 6.44 | 159.2          | 6.27 | 70.0         | 2.76 | 67.8        | 2.67 | 88.9        | 3.50 | ✓                  | ✓      |
| Z13          |            |      |      |      |      |      | ■    | ■    | 163.6            | 6.44 | 159.2          | 6.27 | 74.0         | 2.91 | 67.8        | 2.67 | 88.9        | 3.50 | ✓                  | ✓      |
| Z16          | ✓          |      |      |      | ●    | ●    | ●    | ●    | 200.5            | 7.89 | 195.3          | 7.69 | 70.0         | 2.76 | 86.3        | 3.40 | 107.0       | 4.21 | ✓                  | ✓      |
| Z16          |            |      |      |      |      |      | ■    | ■    | 200.5            | 7.89 | 195.3          | 7.69 | 74.0         | 2.91 | 86.3        | 3.40 | 107.0       | 4.21 | ✓                  | ✓      |

■ Molded sprocket

● Molded sprocket



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.

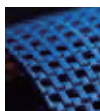
Non standard material  
 and color: See uni  
 Material and Color  
 Overview.



Conveyor Belts



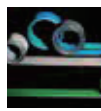
Seamless Belts



Modular Belts



Timing Belts



Transmission Belts

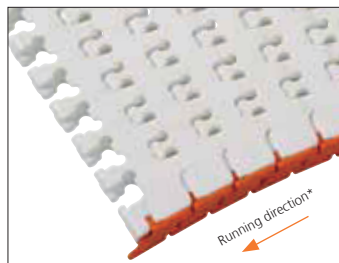


Fabrication  
& service

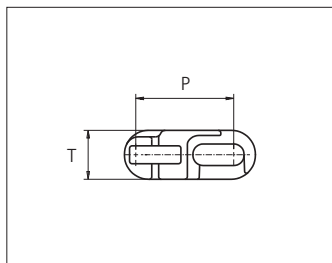
Expert advice, quality solutions  
and local service  
for all your belting needs  
**[www.unichains.com](http://www.unichains.com)**

# Plastic Modular Belt

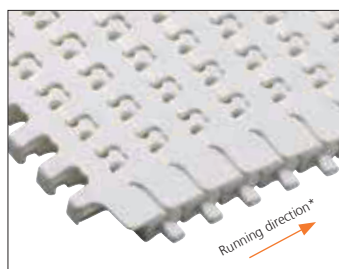
Series **uni Flex ONE**



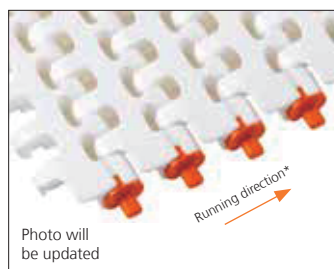
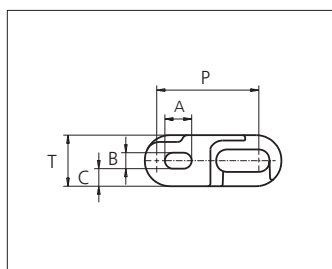
**uni Flex ONE EWC R1.6**  
Surface Opening: 15%



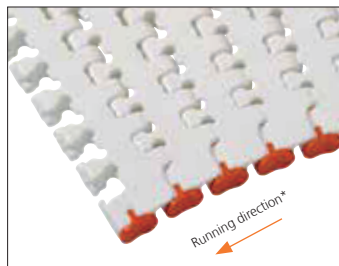
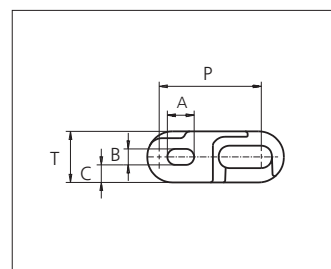
Sideflexing belt  
Nominal pitch: 38.1 mm (1.50 in)  
Surface type: Flat  
Surface opening: 15%  
Backflex radius: 50.0 mm (1.97 in)  
Min. inside radius R1.6 x belt width



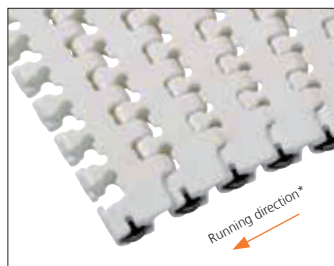
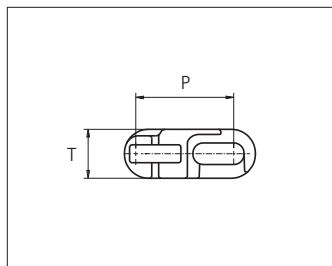
**uni Flex ONE O R1.6**  
Surface Opening: 15%



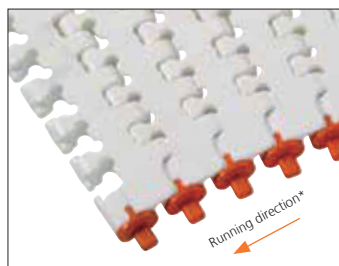
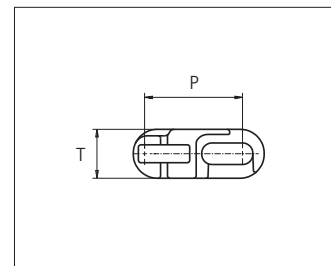
**uni Flex ONE EO R1.6**  
Surface Opening: 15%



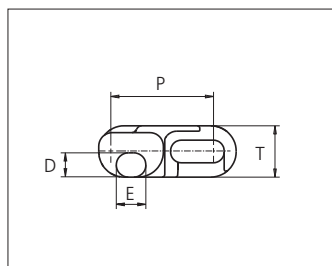
**uni Flex ONE EW R1.6**  
Surface Opening: 15%



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



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



\*uni-chains recommends this travel direction. However travel in both directions is possible.

|                    | mm   | in   |          | mm   | in   |
|--------------------|------|------|----------|------|------|
| <b>P (Nominal)</b> | 38.1 | 1.50 | <b>D</b> | 9.0  | 0.35 |
| <b>A</b>           | 10.0 | 0.39 | <b>E</b> | 11.0 | 0.43 |
| <b>B</b>           | 5.9  | 0.23 | <b>T</b> | 19.1 | 0.75 |
| <b>C</b>           | 6.6  | 0.26 | -        | -    | -    |

|                                             |                                                                                                                                                                                                                                                                                                                                         |
|---------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Belt material &amp; color</b>            | POM-SX <span style="background-color: white; border: 1px solid black; padding: 0 2px;">B</span> **                                                                                                                                                                                                                                      |
| <b>O-Tab, Wearpart material &amp; color</b> | POM DK <span style="background-color: orange; border: 1px solid black; padding: 0 2px;">O</span>                                                                                                                                                                                                                                        |
| <b>EWC Wearpart material &amp; color</b>    | K750: POM DK <span style="background-color: yellow; border: 1px solid black; padding: 0 2px;"></span><br>K1200, K1500, K1800: POM DK <span style="background-color: orange; border: 1px solid black; padding: 0 2px;">O</span><br>K2400: POM DK <span style="background-color: blue; border: 1px solid black; padding: 0 2px;">B</span> |

\*\*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<br>Belt/pin material |      |                |     | Belt weight<br>Belt material |       | *Recommended<br>No. drive<br>sprocket<br>per shaft | Number of wear<br>strips (Min No.) |                   |
|------------|-------|------|--------|------------------------------------------------|------|----------------|-----|------------------------------|-------|----------------------------------------------------|------------------------------------|-------------------|
|            |       |      |        | POM-SX                                         |      |                |     | POM-SX                       |       |                                                    | **Carry<br>(pcs)                   | **Return<br>(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  |                                                    |                                    |                   |

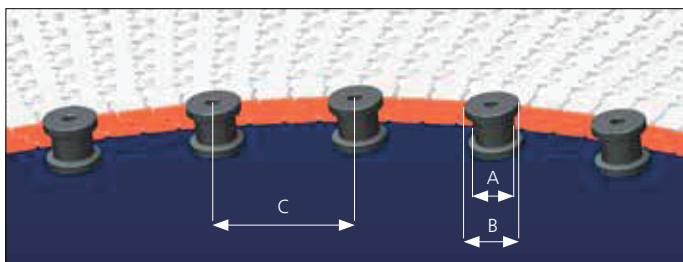
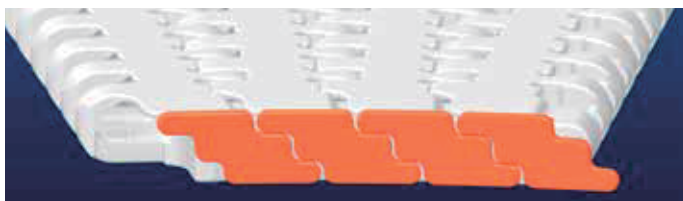
General belt tolerance is +0/-0.4% at 23°C/73°F.

\*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

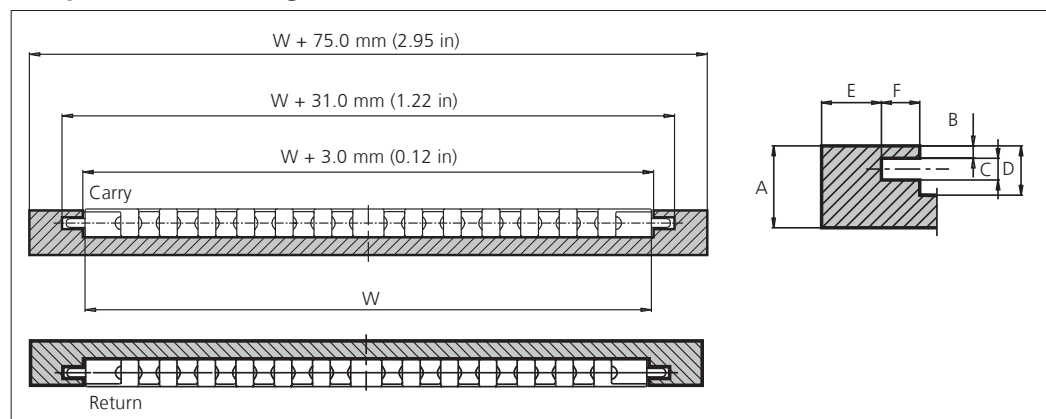
### uni Flex One EWC



|          | mm         | in        |
|----------|------------|-----------|
| <b>A</b> | min Ø30    | min Ø1¼   |
| <b>B</b> | A + min 12 | A + min ½ |
| <b>C</b> | 100-150    | 4-6       |

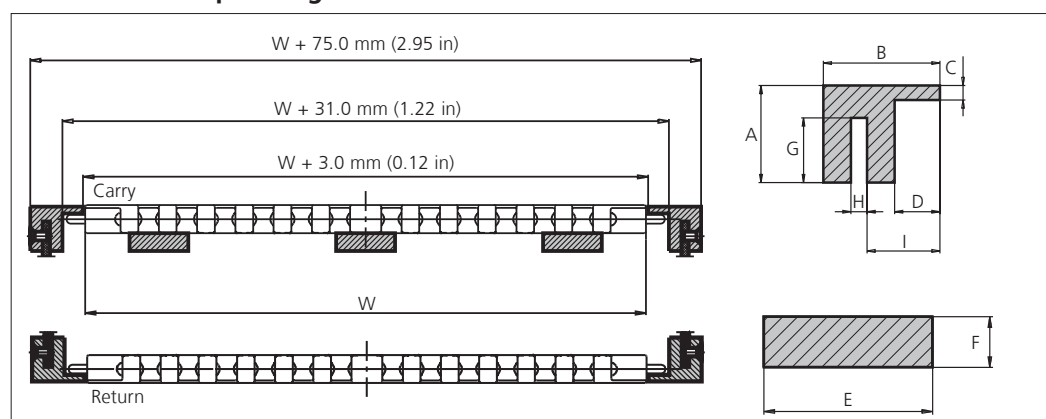
## Profiles for uni Flex ONE O/EO

### Compact Profile Configuration



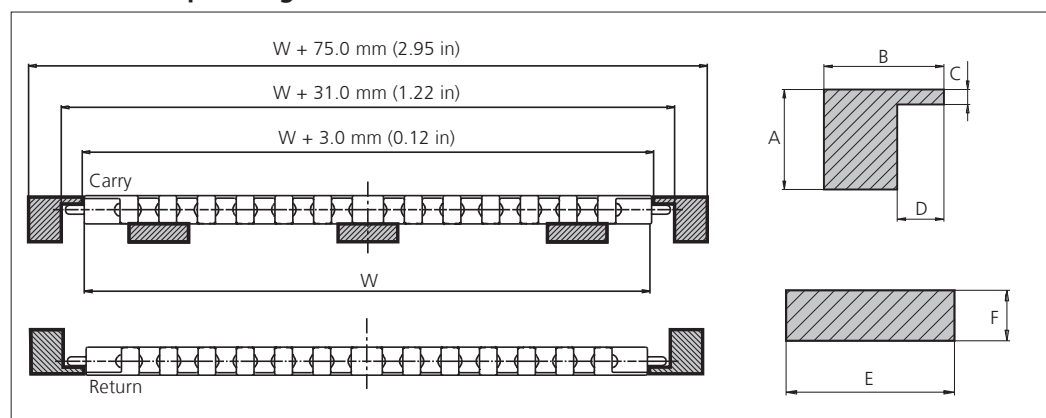
|   | mm   | in   |
|---|------|------|
| A | 30.0 | 1.18 |
| B | 4.5  | 0.18 |
| C | 8.0  | 0.31 |
| D | 18.0 | 0.71 |
| E | 22.0 | 0.87 |
| F | 14.0 | 0.55 |

### 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

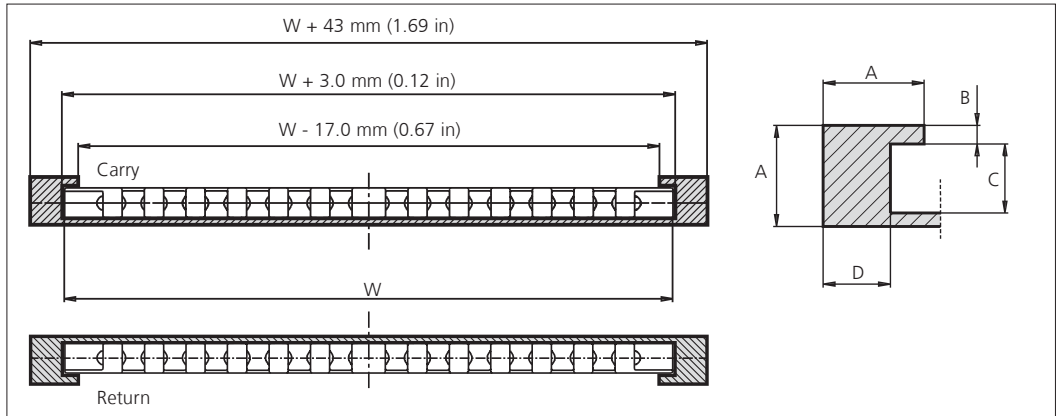
Using the uni Flex ONE with O-Tab and a slotted wearstrip, the O-Tab will allow the transported products to be wider than the belt. O-Tabs are molded into the belt to ensure cleanability and are preferred for direct food contact.

#### 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.

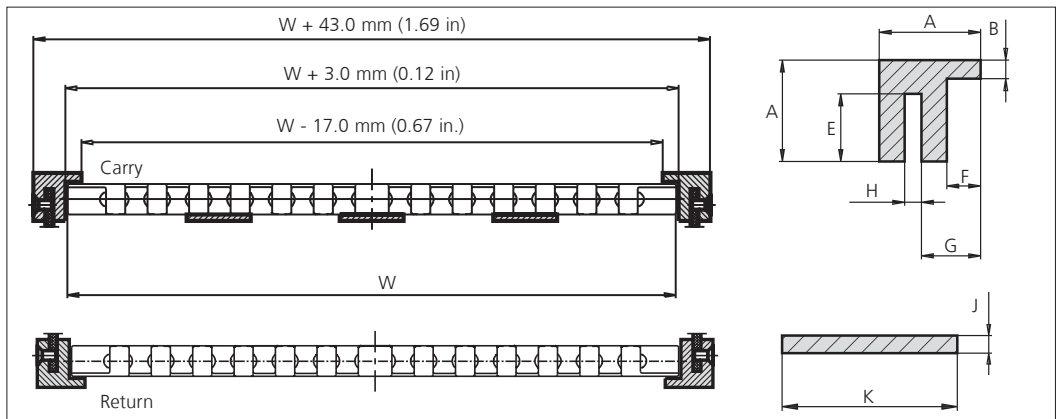
## Profiles for uni Flex ONE EW/ER

### Compact Profile Configuration



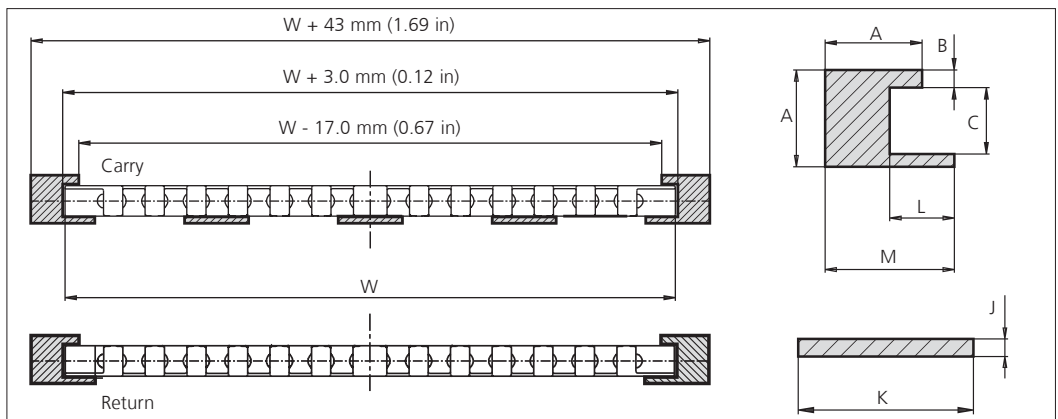
|          | mm   | in   |
|----------|------|------|
| <b>A</b> | 30.0 | 1.18 |
| <b>B</b> | 5.5  | 0.22 |
| <b>C</b> | 20.5 | 0.81 |
| <b>D</b> | 20.0 | 0.79 |

### Slotted Wearstrip Configuration



|          | mm   | in   |
|----------|------|------|
| <b>A</b> | 30.0 | 1.18 |
| <b>B</b> | 5.5  | 0.22 |
| <b>E</b> | 20.0 | 0.79 |
| <b>F</b> | 10.0 | 0.39 |
| <b>G</b> | 17.5 | 0.69 |
| <b>H</b> | 5.0  | 0.20 |
| <b>J</b> | 4.0  | 0.16 |
| <b>K</b> | 40.0 | 1.57 |

### Solid Wearstrip Configuration



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

#### uni Flex ONE EW (Exchangeable Wearpart)

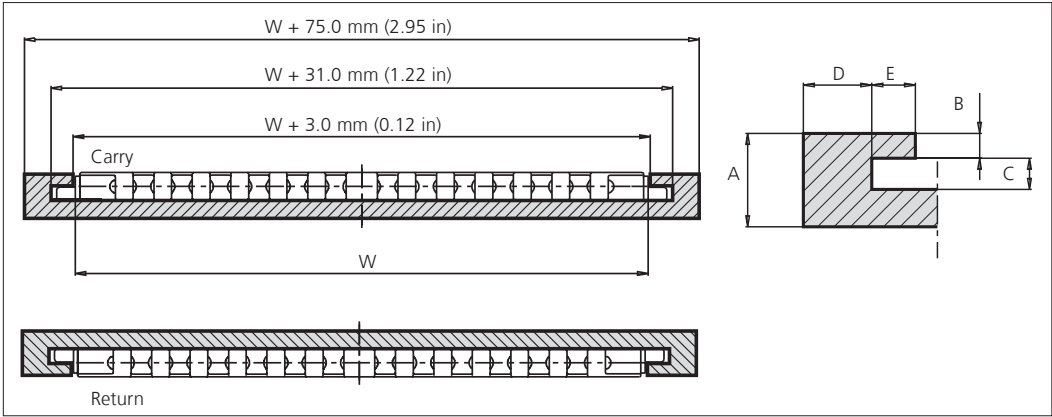
Exchangeable Wearpart system is made of heat and wear resistant material to improve performance between the belt edge and the wearstrip. This Wearpart can easily be replaced. Resists high curve load at increased speed.

#### 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.

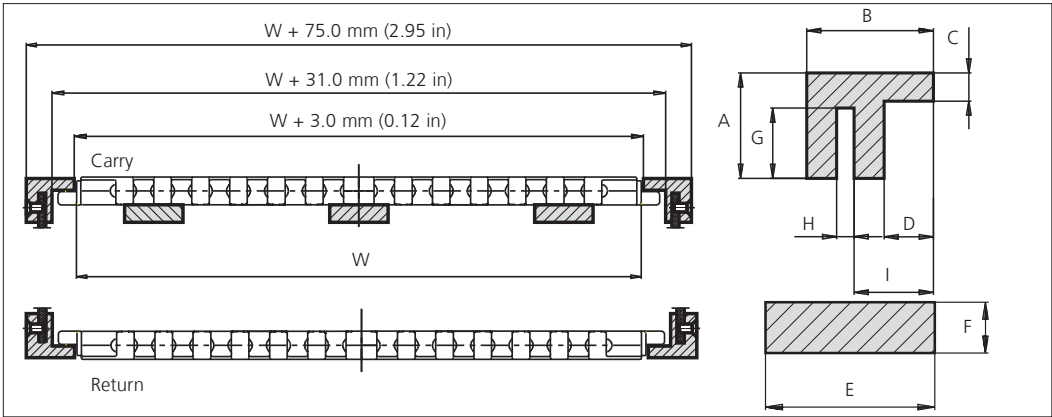
# Profiles for uni Flex ONE EOO

## Compact Profile Configuration



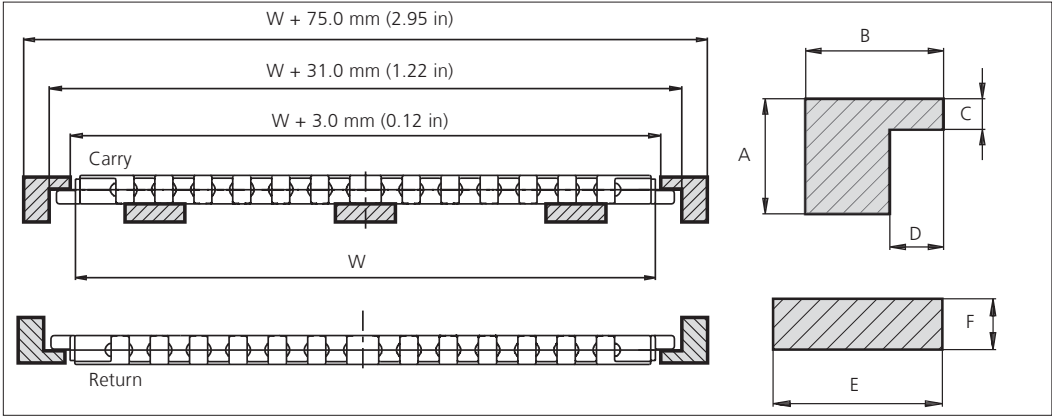
|   | mm   | in   |
|---|------|------|
| A | 30.0 | 1.18 |
| B | 8.0  | 0.31 |
| C | 10.0 | 0.39 |
| D | 22.0 | 0.87 |
| E | 14.0 | 0.55 |

## 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



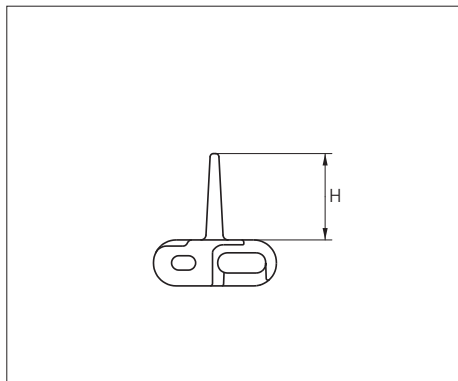
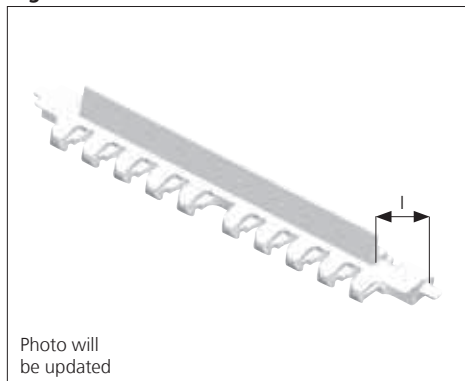
|   | mm   | in   |
|---|------|------|
| A | 30.0 | 1.18 |
| B | 36.0 | 1.42 |
| C | 8.0  | 0.31 |
| D | 14.0 | 0.55 |
| E | 40.0 | 1.57 |
| F | 12.0 | 0.47 |

### 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

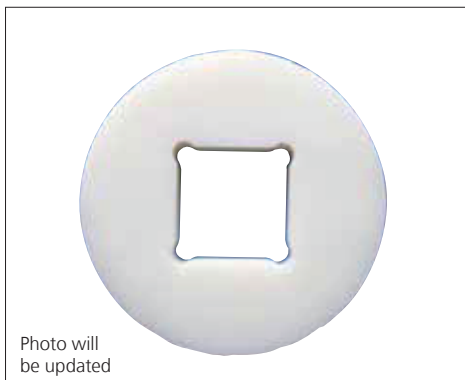


| Type   | Standard belt material & color                                                                                                                                               | Height (H) |      | Indent (I) |      | Link size | Width |      |
|--------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|------|------------|------|-----------|-------|------|
|        |                                                                                                                                                                              | mm         | in   | mm         | in   |           | mm    | in   |
| Flight | POM-SX   * | 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  | 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 |

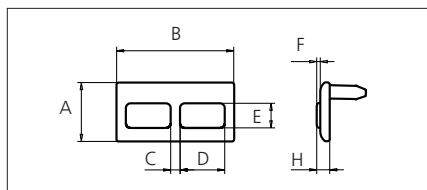
Thickness of idler: 20.0 mm (0.79 in).

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

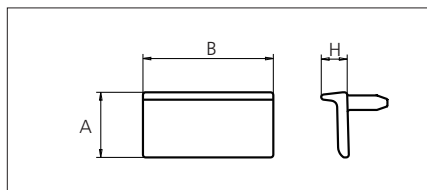
### Clip On Rubber Flat



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

## Accessories

### Clip On Flight



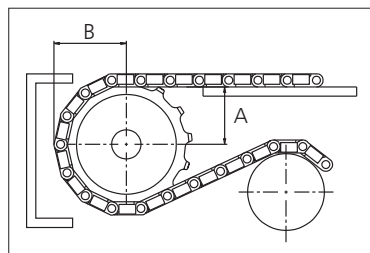
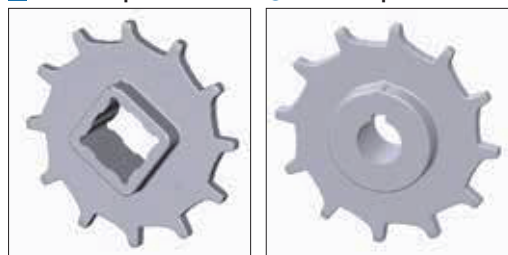
| Type                             | Height (H) |      | Standard materials & colors                                                                                                                                                                   |
|----------------------------------|------------|------|-----------------------------------------------------------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

## Sprocket

| No. of teeth | Bore size  |      |      |      |      |      |      |      | Overall diameter |      | Pitch diameter |      | Hub diameter |      | Dimension A |      | Dimension B |      | Single row/One way | Molded |
|--------------|------------|------|------|------|------|------|------|------|------------------|------|----------------|------|--------------|------|-------------|------|-------------|------|--------------------|--------|
|              | Pilot Bore | in   | 0.98 | 1.00 | 1.18 | 1.25 | 1.50 | 1.57 |                  |      |                |      |              |      |             |      |             |      |                    |        |
|              | mm         | 25.0 | 25.4 | 30.0 | 31.8 | 38.1 | 40.0 |      | mm               | in   | mm             | in   | mm           | in   | mm          | in   | mm          | in   |                    |        |
| Z08          | ✓          |      | ■    | ●    | ●    | ●    | ●    |      | 101              | 3.98 | 99.6           | 3.93 | 60.0         | 2.36 | 36.5        | 1.44 | 59.0        | 2.32 | ✓                  | ✓      |
| Z09          | ✓          |      |      | ●    | ●    | ●    | ●    |      | 113.7            | 4.48 | 111.4          | 4.39 | 70.0         | 2.76 | 42.8        | 1.69 | 64.9        | 2.56 | ✓                  | ✓      |
| Z09          |            |      |      |      |      |      | ■    | ■    | 113.7            | 4.48 | 111.4          | 4.39 | 74.0         | 2.91 | 42.8        | 1.69 | 64.9        | 2.56 | ✓                  | ✓      |
| Z11          | ✓          |      |      | ●    | ●    | ●    |      |      | 138.8            | 5.46 | 135.2          | 5.32 | 70.0         | 2.76 | 55.4        | 2.18 | 76.9        | 3.03 | ✓                  | ✓      |
| Z11          |            |      |      |      |      |      | ■    | ■    | 138.8            | 5.46 | 135.2          | 5.32 | 74.0         | 2.91 | 55.4        | 2.18 | 76.9        | 3.03 | ✓                  | ✓      |
| Z12          | ✓          |      |      |      | ●    | ●    | ●    | ●    | 151.2            | 5.95 | 147.2          | 5.80 | 70.0         | 2.76 | 61.6        | 2.43 | 82.9        | 3.26 | ✓                  | ✓      |
| Z12          |            |      |      |      |      |      | ■    | ■    | 151.2            | 5.95 | 147.2          | 5.80 | 74.0         | 2.91 | 61.6        | 2.43 | 82.9        | 3.26 | ✓                  | ✓      |
| Z13          | ✓          |      |      |      | ●    | ●    | ●    | ●    | 163.6            | 6.44 | 159.2          | 6.27 | 70.0         | 2.76 | 67.8        | 2.67 | 88.9        | 3.50 | ✓                  | ✓      |
| Z13          |            |      |      |      |      |      | ■    | ■    | 163.6            | 6.44 | 159.2          | 6.27 | 74.0         | 2.91 | 67.8        | 2.67 | 88.9        | 3.50 | ✓                  | ✓      |
| Z16          | ✓          |      |      |      | ●    | ●    | ●    | ●    | 200.5            | 7.89 | 195.3          | 7.69 | 70.0         | 2.76 | 86.3        | 3.40 | 107.0       | 4.21 | ✓                  | ✓      |
| Z16          |            |      |      |      |      |      | ■    | ■    | 200.5            | 7.89 | 195.3          | 7.69 | 74.0         | 2.91 | 86.3        | 3.40 | 107.0       | 4.21 | ✓                  | ✓      |

■ Molded sprocket

● Molded sprocket



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.

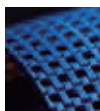
Non standard material  
 and color: See uni  
 Material and Color  
 Overview.



Conveyor Belts



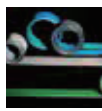
Seamless Belts



Modular Belts



Timing Belts



Transmission Belts

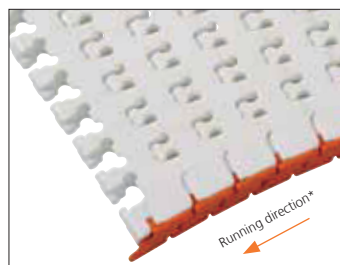


Fabrication  
& service

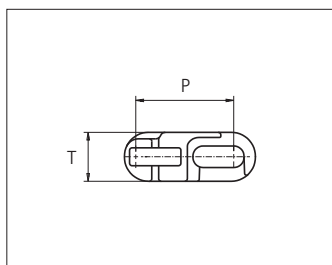
Expert advice, quality solutions  
and local service  
for all your belting needs  
**[www.unichains.com](http://www.unichains.com)**

# Plastic Modular Belt

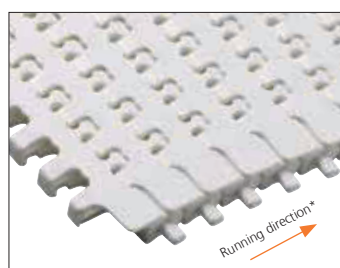
## Series uni Flex ONE



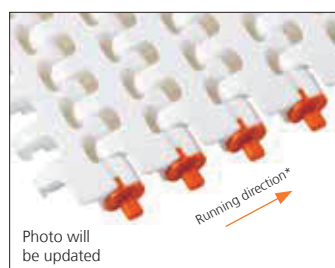
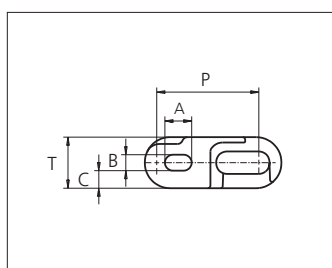
**uni Flex ONE EWC R1.6**  
Surface Opening: 15%



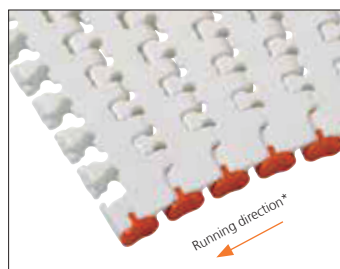
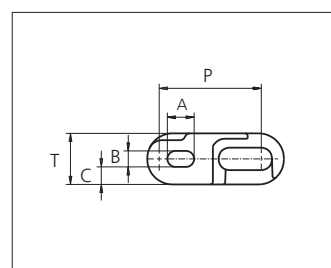
Sideflexing belt  
Nominal pitch: 38.1 mm (1.50 in)  
Surface type: Flat  
Surface opening: 15%  
Backflex radius: 50.0 mm (1.97 in)  
Min. inside radius R1.6 x belt width



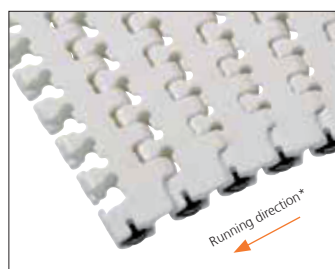
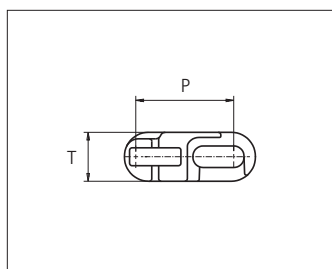
**uni Flex ONE O R1.6**  
Surface Opening: 15%



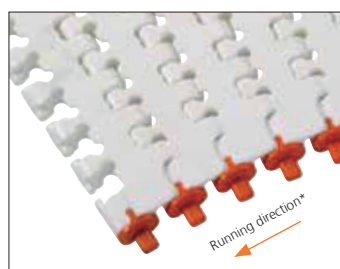
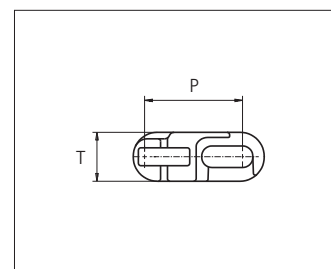
**uni Flex ONE EO R1.6**  
Surface Opening: 15%



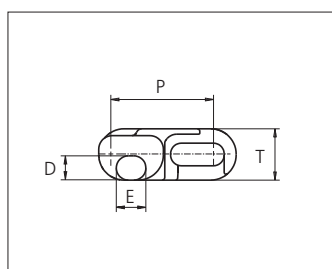
**uni Flex ONE EW R1.6**  
Surface Opening: 15%



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



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



|                    | mm   | in   |          | mm   | in   |
|--------------------|------|------|----------|------|------|
| <b>P (Nominal)</b> | 38.1 | 1.50 | <b>D</b> | 9.0  | 0.35 |
| <b>A</b>           | 10.0 | 0.39 | <b>E</b> | 11.0 | 0.43 |
| <b>B</b>           | 5.9  | 0.23 | <b>T</b> | 19.1 | 0.75 |
| <b>C</b>           | 6.6  | 0.26 | -        | -    | -    |

\*uni-chains recommends this travel direction. However travel in both directions is possible.

|                                             |                                                                                                                                                                                                                                                                                                                                          |
|---------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Belt material &amp; color</b>            | POM-SX <span style="background-color: white; border: 1px solid black; padding: 0 2px;">B</span> **                                                                                                                                                                                                                                       |
| <b>O-Tab, Wearpart material &amp; color</b> | POM DK <span style="background-color: orange; border: 1px solid black; padding: 0 2px;">O</span>                                                                                                                                                                                                                                         |
| <b>EWC Wearpart material &amp; color</b>    | K750: POM DK <span style="background-color: yellow; border: 1px solid black; padding: 0 2px;"> </span><br>K1200, K1500, K1800: POM DK <span style="background-color: orange; border: 1px solid black; padding: 0 2px;">O</span><br>K2400: POM DK <span style="background-color: blue; border: 1px solid black; padding: 0 2px;">B</span> |

\*\*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<br>Belt/pin material |      |                |     | Belt weight<br>Belt material |       | *Recommended<br>No. drive<br>sprocket<br>per shaft | Number of wear<br>strips (Min No.) |                   |
|------------|-------|------|--------|------------------------------------------------|------|----------------|-----|------------------------------|-------|----------------------------------------------------|------------------------------------|-------------------|
|            |       |      |        | POM-SX                                         |      |                |     | POM-SX                       |       |                                                    | **Carry<br>(pcs)                   | **Return<br>(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  |                                                    |                                    |                   |

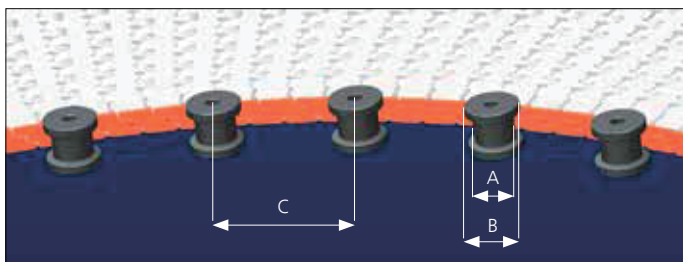
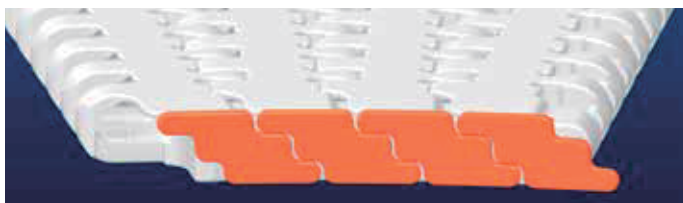
General belt tolerance is +0/-0.4% at 23°C/73°F.

\*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

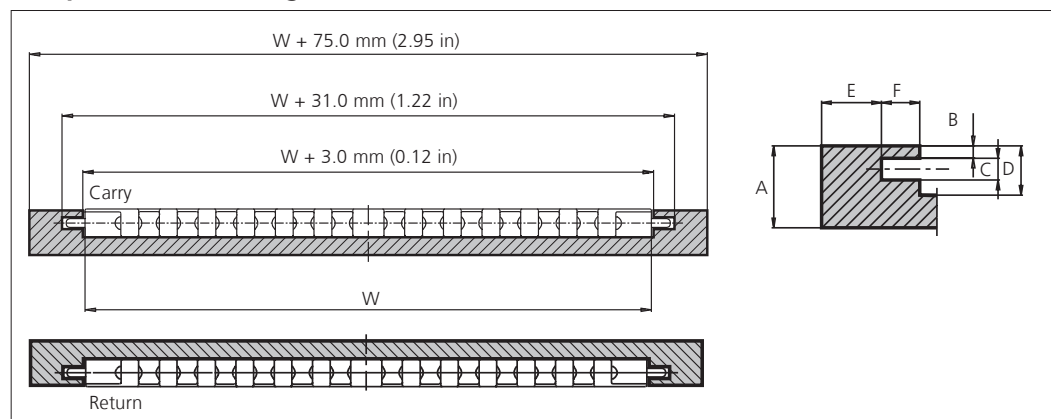
### uni Flex One EWC



|          | mm         | in        |
|----------|------------|-----------|
| <b>A</b> | min Ø30    | min Ø1¼   |
| <b>B</b> | A + min 12 | A + min ½ |
| <b>C</b> | 100-150    | 4-6       |

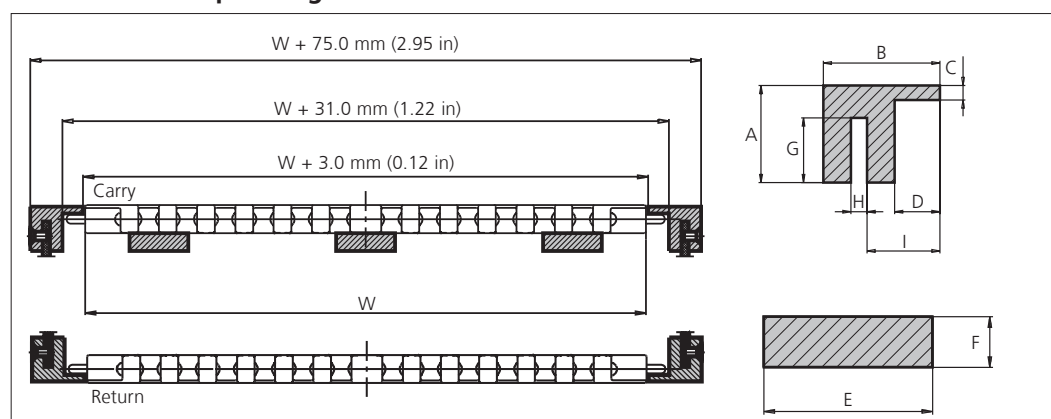
## Profiles for uni Flex ONE O/EO

### Compact Profile Configuration



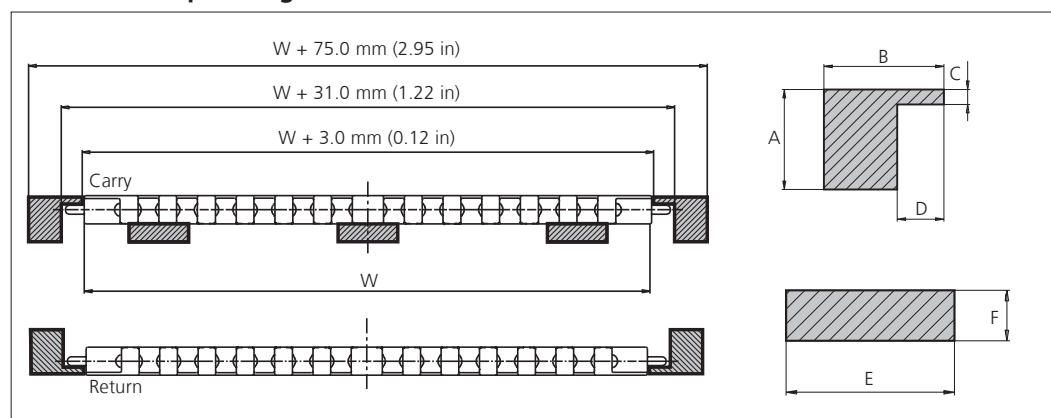
|   | mm   | in   |
|---|------|------|
| A | 30.0 | 1.18 |
| B | 4.5  | 0.18 |
| C | 8.0  | 0.31 |
| D | 18.0 | 0.71 |
| E | 22.0 | 0.87 |
| F | 14.0 | 0.55 |

### 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

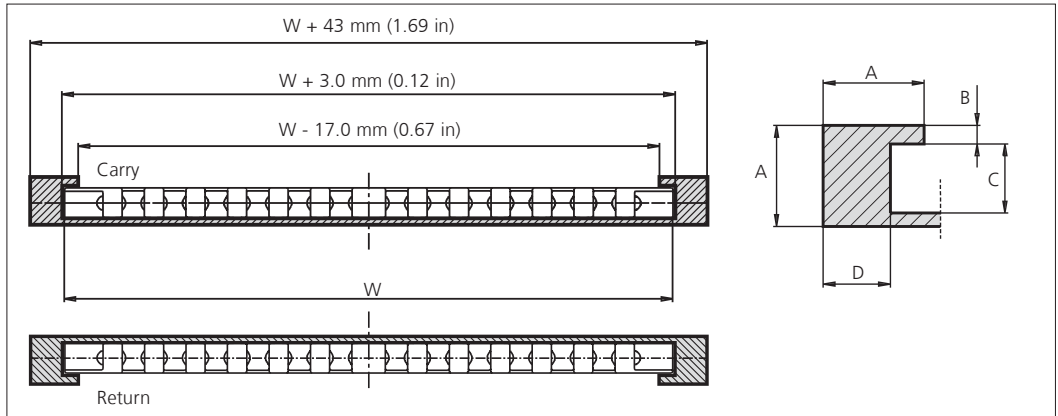
Using the uni Flex ONE with O-Tab and a slotted wearstrip, the O-Tab will allow the transported products to be wider than the belt. O-Tabs are molded into the belt to ensure cleanability and are preferred for direct food contact.

#### 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.

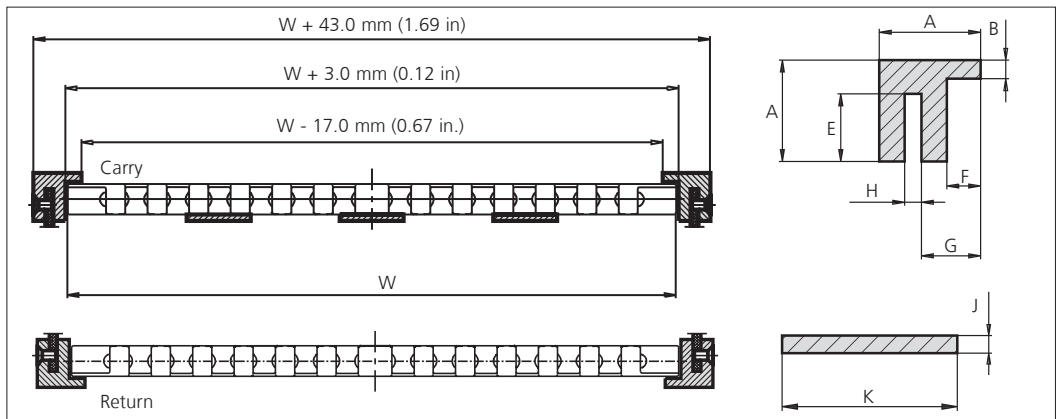
## Profiles for uni Flex ONE EW/ER

### Compact Profile Configuration



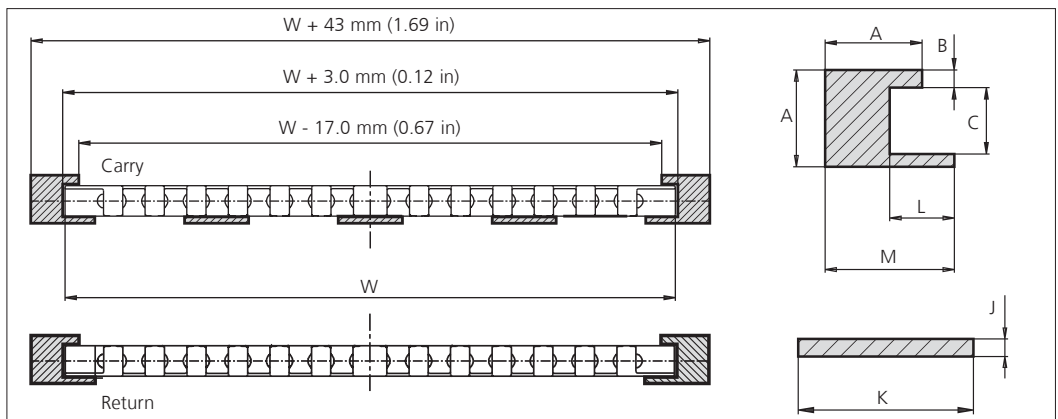
|          | mm   | in   |
|----------|------|------|
| <b>A</b> | 30.0 | 1.18 |
| <b>B</b> | 5.5  | 0.22 |
| <b>C</b> | 20.5 | 0.81 |
| <b>D</b> | 20.0 | 0.79 |

### Slotted Wearstrip Configuration



|          | mm   | in   |
|----------|------|------|
| <b>A</b> | 30.0 | 1.18 |
| <b>B</b> | 5.5  | 0.22 |
| <b>E</b> | 20.0 | 0.79 |
| <b>F</b> | 10.0 | 0.39 |
| <b>G</b> | 17.5 | 0.69 |
| <b>H</b> | 5.0  | 0.20 |
| <b>J</b> | 4.0  | 0.16 |
| <b>K</b> | 40.0 | 1.57 |

### Solid Wearstrip Configuration



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

#### uni Flex ONE EW (Exchangeable Wearpart)

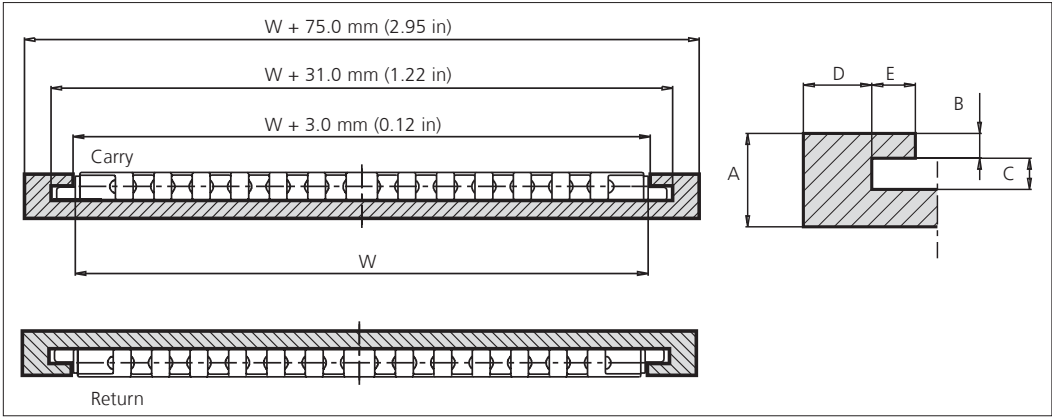
Exchangeable Wearpart system is made of heat and wear resistant material to improve performance between the belt edge and the wearstrip. This Wearpart can easily be replaced. Resists high curve load at increased speed.

#### 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.

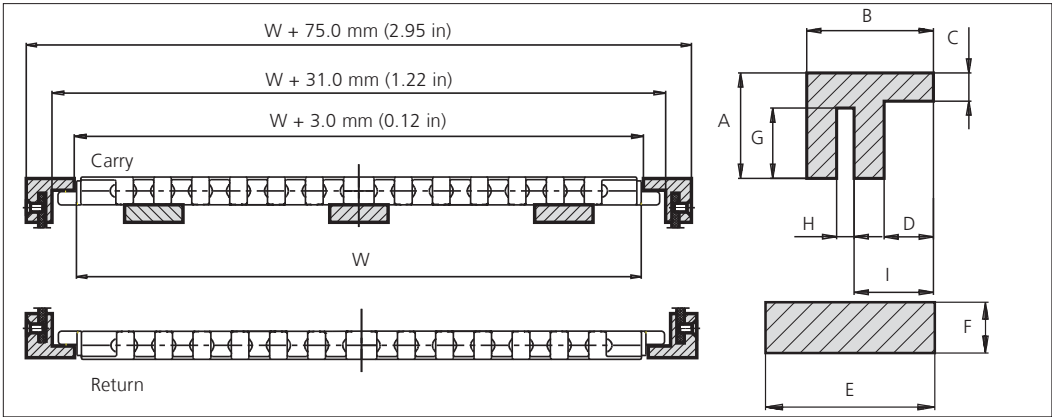
## Profiles for uni Flex ONE EOO

### Compact Profile Configuration



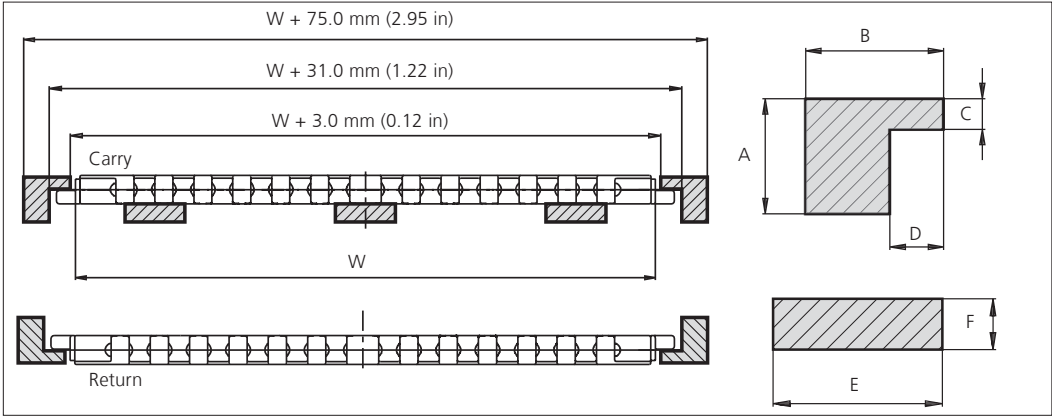
|   | mm   | in   |
|---|------|------|
| A | 30.0 | 1.18 |
| B | 8.0  | 0.31 |
| C | 10.0 | 0.39 |
| D | 22.0 | 0.87 |
| E | 14.0 | 0.55 |

### 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



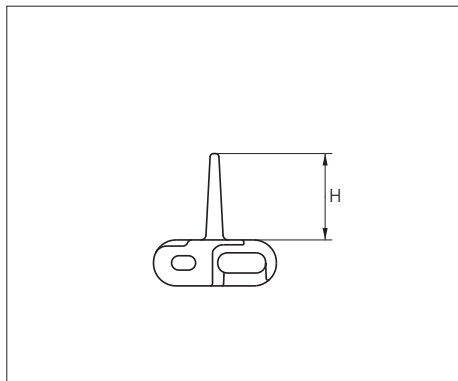
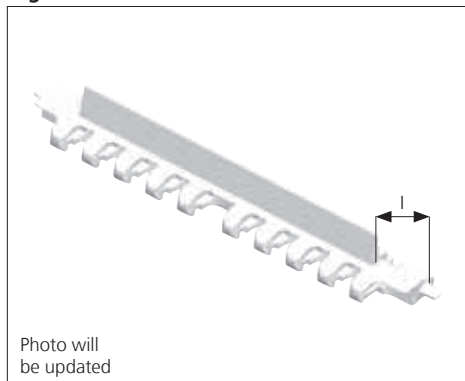
|   | mm   | in   |
|---|------|------|
| A | 30.0 | 1.18 |
| B | 36.0 | 1.42 |
| C | 8.0  | 0.31 |
| D | 14.0 | 0.55 |
| E | 40.0 | 1.57 |
| F | 12.0 | 0.47 |

#### 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

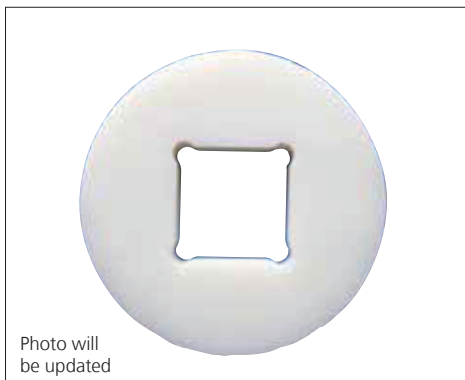


| Type   | Standard belt material & color                                                                      | Height (H) |      | Indent (I) |      | Link size | Width |      |
|--------|-----------------------------------------------------------------------------------------------------|------------|------|------------|------|-----------|-------|------|
|        |                                                                                                     | mm         | in   | mm         | in   |           | mm    | in   |
| Flight | POM-SX  <b>B</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  | 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 |

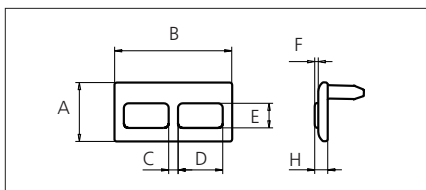
Thickness of idler: 20.0 mm (0.79 in).

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

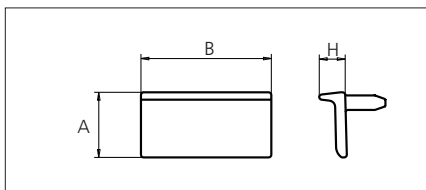
### Clip On Rubber Flat



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

## Accessories

### Clip On Flight



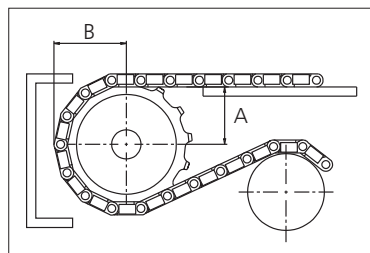
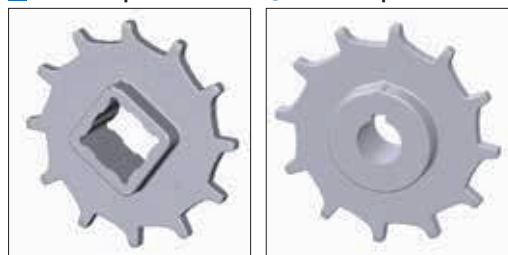
| Type                             | Height (H) |      | Standard materials & colors                                                                                                                                                                            |
|----------------------------------|------------|------|--------------------------------------------------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

## Sprocket

| No. of teeth | Bore size  |      |      |      |      |      |      |      | Overall diameter |      | Pitch diameter |      | Hub diameter |      | Dimension A |      | Dimension B |      | Single row/One way | Molded |
|--------------|------------|------|------|------|------|------|------|------|------------------|------|----------------|------|--------------|------|-------------|------|-------------|------|--------------------|--------|
|              | Pilot Bore | in   | 0.98 | 1.00 | 1.18 | 1.25 | 1.50 | 1.57 |                  |      |                |      |              |      |             |      |             |      |                    |        |
|              | mm         | 25.0 | 25.4 | 30.0 | 31.8 | 38.1 | 40.0 |      | mm               | in   | mm             | in   | mm           | in   | mm          | in   | mm          | in   |                    |        |
| Z08          | ✓          |      | ■    | ●    | ●    | ●    | ●    |      | 101              | 3.98 | 99.6           | 3.93 | 60.0         | 2.36 | 36.5        | 1.44 | 59.0        | 2.32 | ✓                  | ✓      |
| Z09          | ✓          |      |      | ●    | ●    | ●    | ●    |      | 113.7            | 4.48 | 111.4          | 4.39 | 70.0         | 2.76 | 42.8        | 1.69 | 64.9        | 2.56 | ✓                  | ✓      |
| Z09          |            |      |      |      |      |      | ■    | ■    | 113.7            | 4.48 | 111.4          | 4.39 | 74.0         | 2.91 | 42.8        | 1.69 | 64.9        | 2.56 | ✓                  | ✓      |
| Z11          | ✓          |      |      | ●    | ●    | ●    |      |      | 138.8            | 5.46 | 135.2          | 5.32 | 70.0         | 2.76 | 55.4        | 2.18 | 76.9        | 3.03 | ✓                  | ✓      |
| Z11          |            |      |      |      |      |      | ■    | ■    | 138.8            | 5.46 | 135.2          | 5.32 | 74.0         | 2.91 | 55.4        | 2.18 | 76.9        | 3.03 | ✓                  | ✓      |
| Z12          | ✓          |      |      |      | ●    | ●    | ●    | ●    | 151.2            | 5.95 | 147.2          | 5.80 | 70.0         | 2.76 | 61.6        | 2.43 | 82.9        | 3.26 | ✓                  | ✓      |
| Z12          |            |      |      |      |      |      | ■    | ■    | 151.2            | 5.95 | 147.2          | 5.80 | 74.0         | 2.91 | 61.6        | 2.43 | 82.9        | 3.26 | ✓                  | ✓      |
| Z13          | ✓          |      |      |      | ●    | ●    | ●    | ●    | 163.6            | 6.44 | 159.2          | 6.27 | 70.0         | 2.76 | 67.8        | 2.67 | 88.9        | 3.50 | ✓                  | ✓      |
| Z13          |            |      |      |      |      |      | ■    | ■    | 163.6            | 6.44 | 159.2          | 6.27 | 74.0         | 2.91 | 67.8        | 2.67 | 88.9        | 3.50 | ✓                  | ✓      |
| Z16          | ✓          |      |      |      | ●    | ●    | ●    | ●    | 200.5            | 7.89 | 195.3          | 7.69 | 70.0         | 2.76 | 86.3        | 3.40 | 107.0       | 4.21 | ✓                  | ✓      |
| Z16          |            |      |      |      |      |      | ■    | ■    | 200.5            | 7.89 | 195.3          | 7.69 | 74.0         | 2.91 | 86.3        | 3.40 | 107.0       | 4.21 | ✓                  | ✓      |

■ Molded sprocket

● Molded sprocket



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.

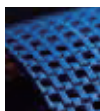
Non standard material  
 and color: See uni  
 Material and Color  
 Overview.



Conveyor Belts



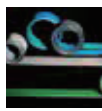
Seamless Belts



Modular Belts



Timing Belts



Transmission Belts

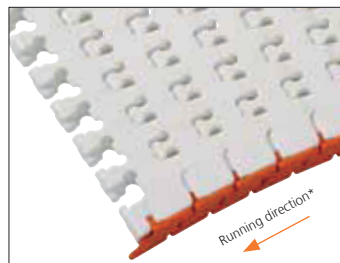


Fabrication  
& service

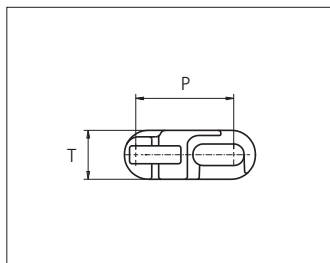
Expert advice, quality solutions  
and local service  
for all your belting needs  
**[www.unichains.com](http://www.unichains.com)**

# Plastic Modular Belt

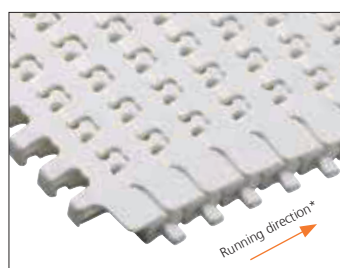
Series **uni Flex ONE**



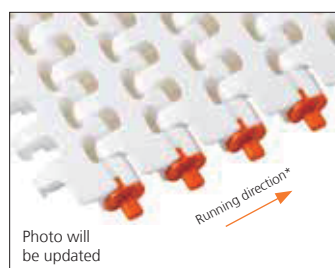
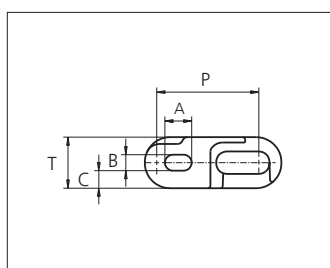
**uni Flex ONE EWC R1.6**  
Surface Opening: 15%



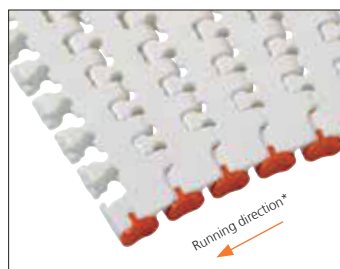
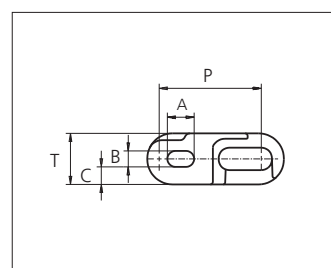
Sideflexing belt  
Nominal pitch: 38.1 mm (1.50 in)  
Surface type: Flat  
Surface opening: 15%  
Backflex radius: 50.0 mm (1.97 in)  
Min. inside radius R1.6 x belt width



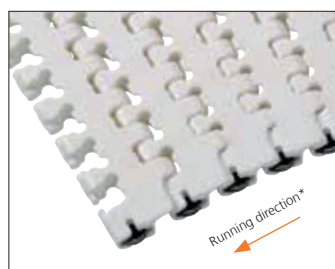
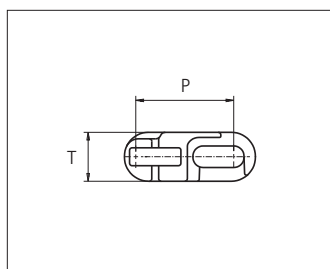
**uni Flex ONE O R1.6**  
Surface Opening: 15%



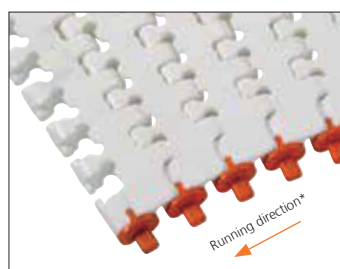
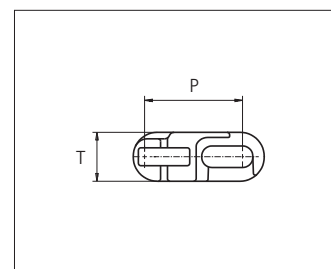
**uni Flex ONE EO R1.6**  
Surface Opening: 15%



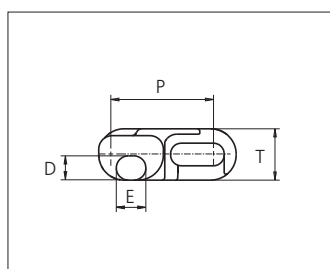
**uni Flex ONE EW R1.6**  
Surface Opening: 15%



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



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



\*uni-chains recommends this travel direction. However travel in both directions is possible.

|                    | mm   | in   |          | mm   | in   |
|--------------------|------|------|----------|------|------|
| <b>P (Nominal)</b> | 38.1 | 1.50 | <b>D</b> | 9.0  | 0.35 |
| <b>A</b>           | 10.0 | 0.39 | <b>E</b> | 11.0 | 0.43 |
| <b>B</b>           | 5.9  | 0.23 | <b>T</b> | 19.1 | 0.75 |
| <b>C</b>           | 6.6  | 0.26 | -        | -    | -    |

|                                             |                                                                                                                                                                                                                                                                                                                                         |
|---------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Belt material &amp; color</b>            | POM-SX <span style="background-color: white; border: 1px solid black; padding: 0 2px;">B</span> **                                                                                                                                                                                                                                      |
| <b>O-Tab, Wearpart material &amp; color</b> | POM DK <span style="background-color: orange; border: 1px solid black; padding: 0 2px;">O</span>                                                                                                                                                                                                                                        |
| <b>EWC Wearpart material &amp; color</b>    | K750: POM DK <span style="background-color: yellow; border: 1px solid black; padding: 0 2px;"></span><br>K1200, K1500, K1800: POM DK <span style="background-color: orange; border: 1px solid black; padding: 0 2px;">O</span><br>K2400: POM DK <span style="background-color: blue; border: 1px solid black; padding: 0 2px;">B</span> |

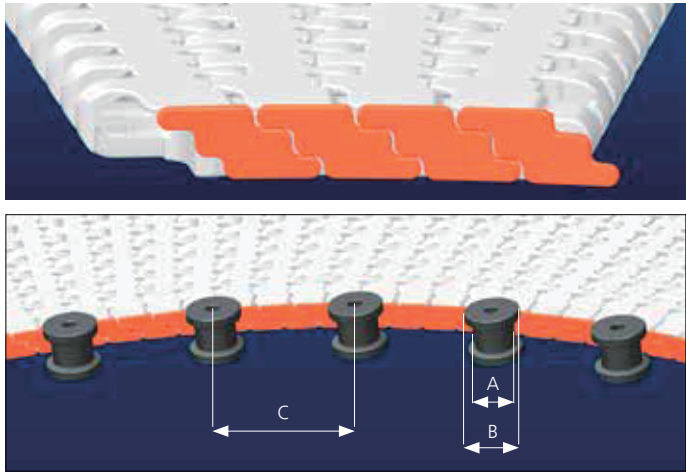
\*\*Please note that uni Flex ONE in POM-SX blue is not according to the standard color quality for blue. Small variations may occur.

| Belt width |       |      | Type   | Permissible tensile force<br>Belt/pin material |      |                |     | Belt weight<br>Belt material |       | *Recommended<br>No. drive<br>sprocket<br>per shaft | Number of wear<br>strips (Min No.) |                   |
|------------|-------|------|--------|------------------------------------------------|------|----------------|-----|------------------------------|-------|----------------------------------------------------|------------------------------------|-------------------|
|            |       |      |        | POM-SX                                         |      |                |     | POM-SX                       |       |                                                    | **Carry<br>(pcs)                   | **Return<br>(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

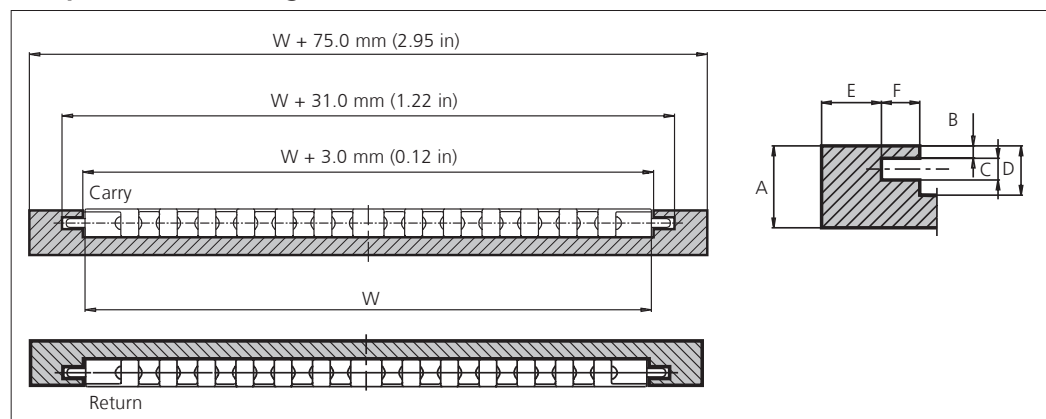
#### uni Flex One EWC



|          | mm         | in        |
|----------|------------|-----------|
| <b>A</b> | min Ø30    | min Ø1¼   |
| <b>B</b> | A + min 12 | A + min ½ |
| <b>C</b> | 100-150    | 4-6       |

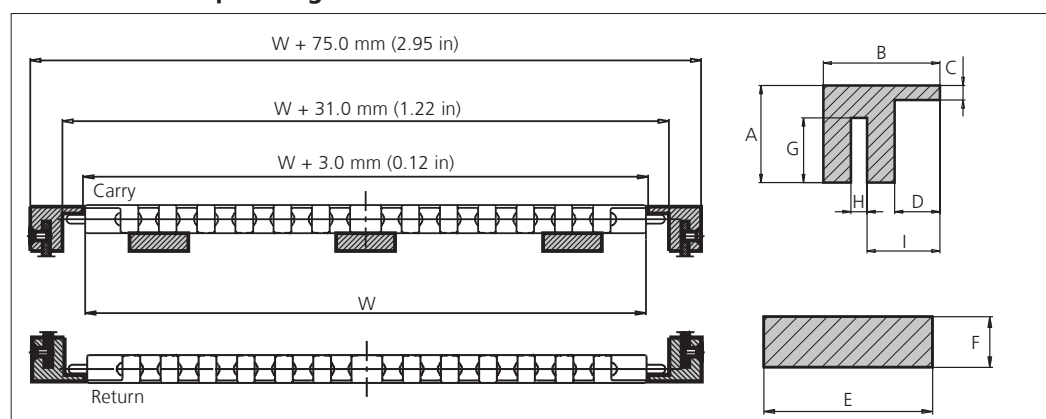
## Profiles for uni Flex ONE O/EO

### Compact Profile Configuration



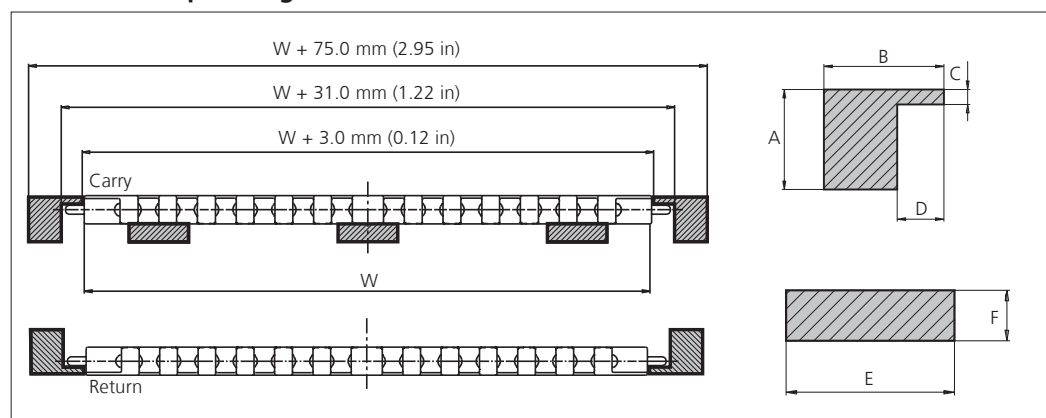
|   | mm   | in   |
|---|------|------|
| A | 30.0 | 1.18 |
| B | 4.5  | 0.18 |
| C | 8.0  | 0.31 |
| D | 18.0 | 0.71 |
| E | 22.0 | 0.87 |
| F | 14.0 | 0.55 |

### 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

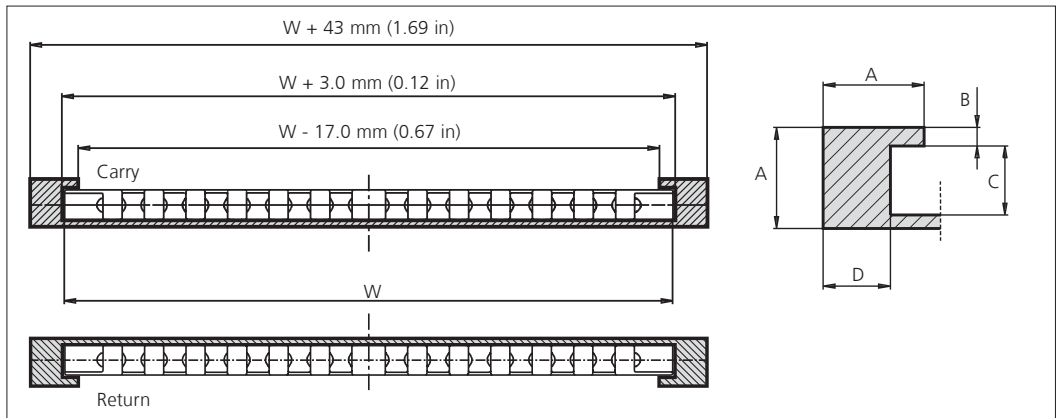
Using the uni Flex ONE with O-Tab and a slotted wearstrip, the O-Tab will allow the transported products to be wider than the belt. O-Tabs are molded into the belt to ensure cleanability and are preferred for direct food contact.

#### 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.

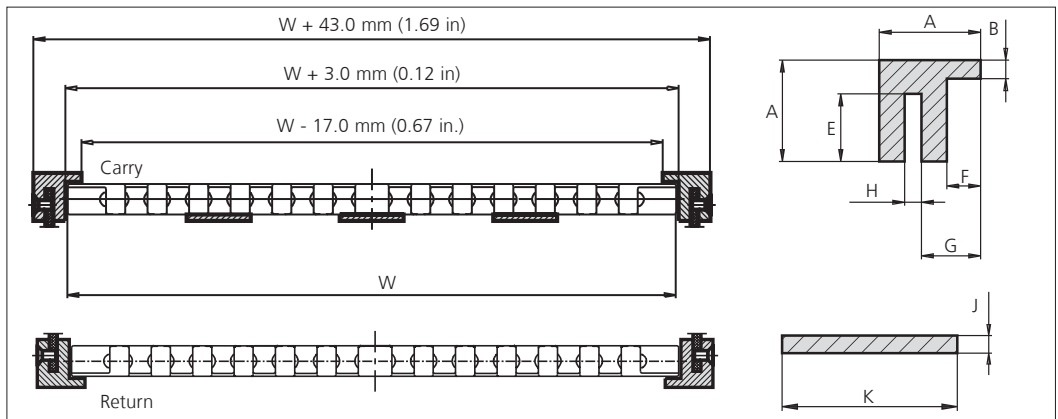
## Profiles for uni Flex ONE EW/ER

### Compact Profile Configuration



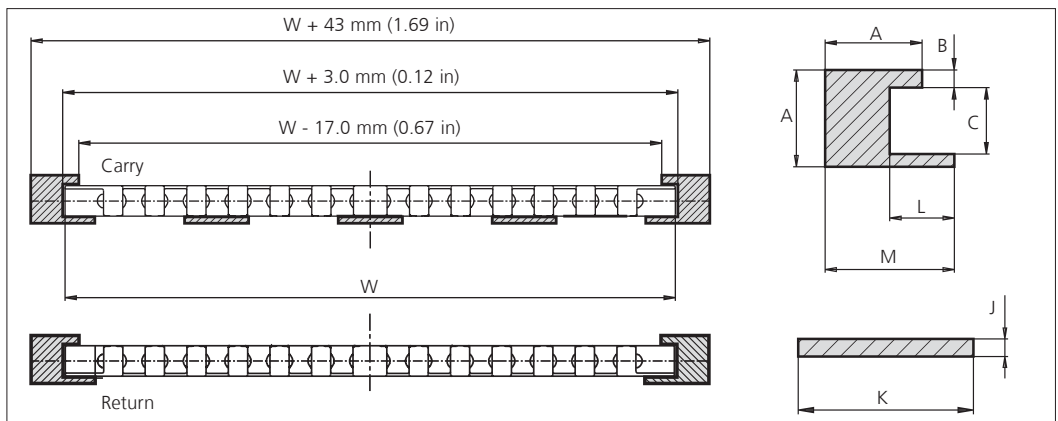
|          | mm   | in   |
|----------|------|------|
| <b>A</b> | 30.0 | 1.18 |
| <b>B</b> | 5.5  | 0.22 |
| <b>C</b> | 20.5 | 0.81 |
| <b>D</b> | 20.0 | 0.79 |

### Slotted Wearstrip Configuration



|          | mm   | in   |
|----------|------|------|
| <b>A</b> | 30.0 | 1.18 |
| <b>B</b> | 5.5  | 0.22 |
| <b>E</b> | 20.0 | 0.79 |
| <b>F</b> | 10.0 | 0.39 |
| <b>G</b> | 17.5 | 0.69 |
| <b>H</b> | 5.0  | 0.20 |
| <b>J</b> | 4.0  | 0.16 |
| <b>K</b> | 40.0 | 1.57 |

### Solid Wearstrip Configuration



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

#### uni Flex ONE EW (Exchangeable Wearpart)

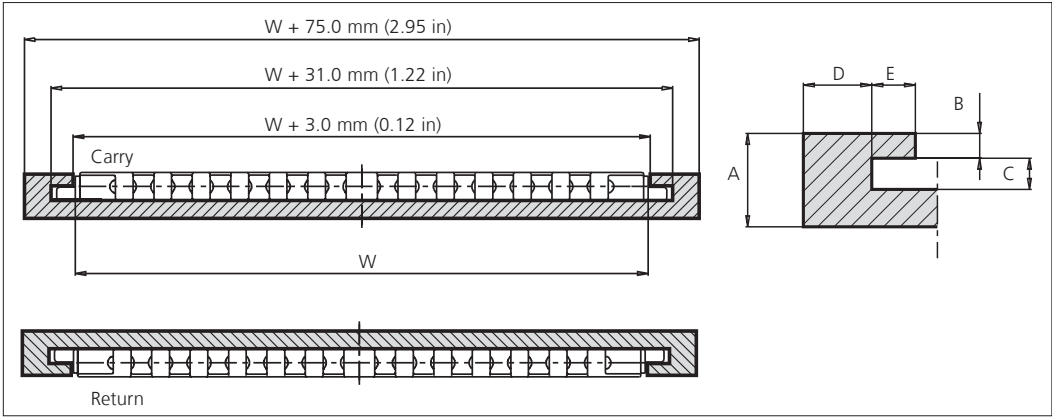
Exchangeable Wearpart system is made of heat and wear resistant material to improve performance between the belt edge and the wearstrip. This Wearpart can easily be replaced. Resists high curve load at increased speed.

#### 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.

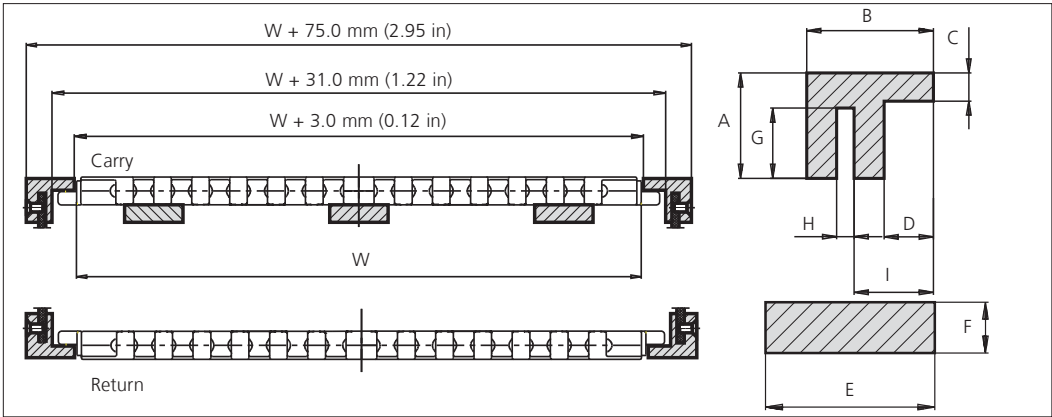
## Profiles for uni Flex ONE EOO

### Compact Profile Configuration



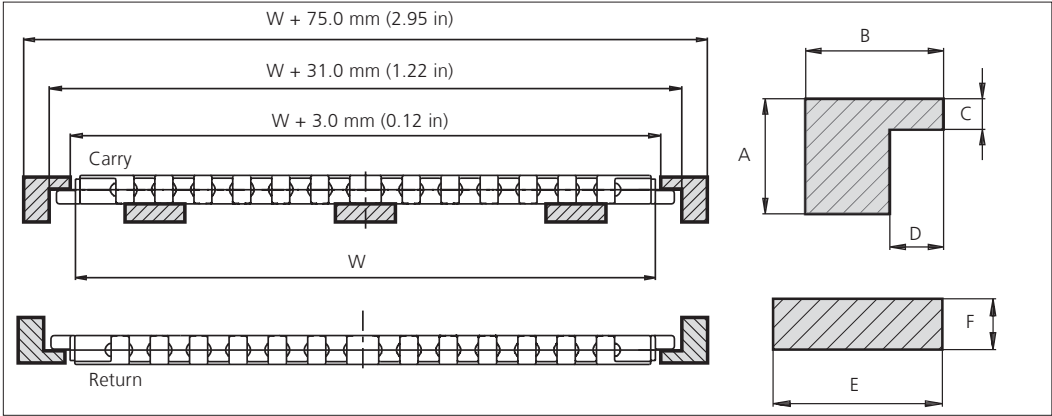
|          | mm   | in   |
|----------|------|------|
| <b>A</b> | 30.0 | 1.18 |
| <b>B</b> | 8.0  | 0.31 |
| <b>C</b> | 10.0 | 0.39 |
| <b>D</b> | 22.0 | 0.87 |
| <b>E</b> | 14.0 | 0.55 |

### Slotted Wearstrip Configuration



|          | mm   | in   |
|----------|------|------|
| <b>A</b> | 30.0 | 1.18 |
| <b>B</b> | 36.0 | 1.42 |
| <b>C</b> | 8.0  | 0.31 |
| <b>D</b> | 14.0 | 0.55 |
| <b>E</b> | 40.0 | 1.57 |
| <b>F</b> | 12.0 | 0.47 |
| <b>G</b> | 20.0 | 0.79 |
| <b>H</b> | 5.0  | 0.20 |
| <b>I</b> | 22.5 | 0.89 |

### Solid Wearstrip Configuration



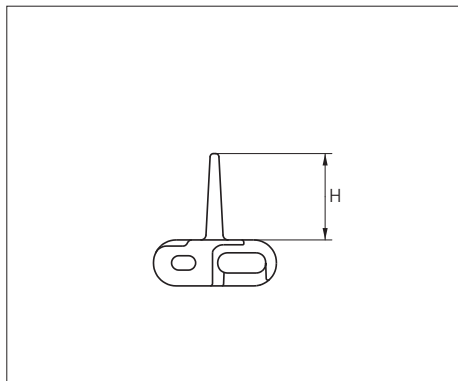
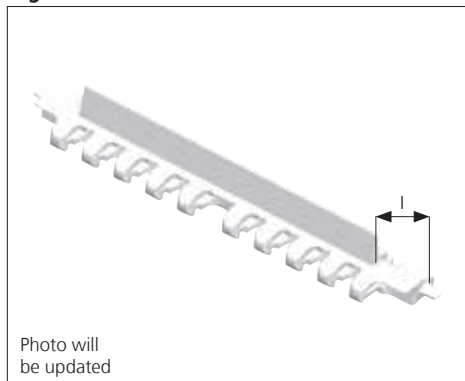
|          | mm   | in   |
|----------|------|------|
| <b>A</b> | 30.0 | 1.18 |
| <b>B</b> | 36.0 | 1.42 |
| <b>C</b> | 8.0  | 0.31 |
| <b>D</b> | 14.0 | 0.55 |
| <b>E</b> | 40.0 | 1.57 |
| <b>F</b> | 12.0 | 0.47 |

#### 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

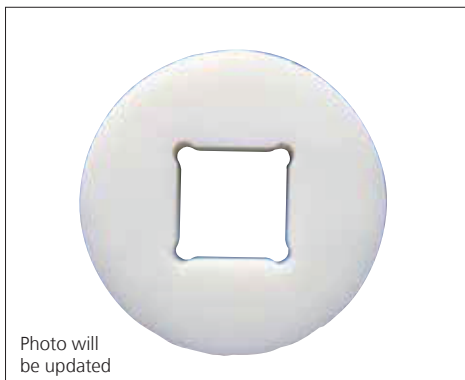


| Type   | Standard belt material & color                                                                                                                                               | Height (H) |      | Indent (I) |      | Link size | Width |      |
|--------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|------|------------|------|-----------|-------|------|
|        |                                                                                                                                                                              | mm         | in   | mm         | in   |           | mm    | in   |
| Flight | POM-SX   * | 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  | 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 |

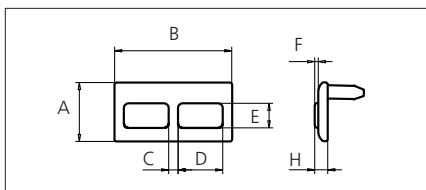
Thickness of idler: 20.0 mm (0.79 in).

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

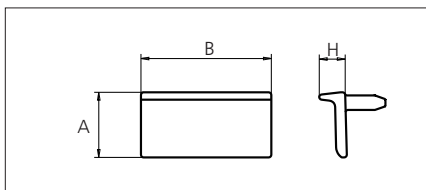
### Clip On Rubber Flat



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

## Accessories

### Clip On Flight



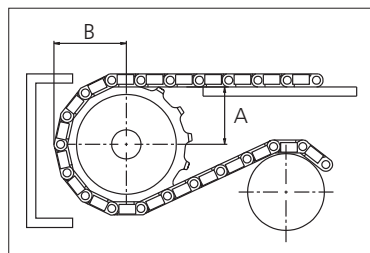
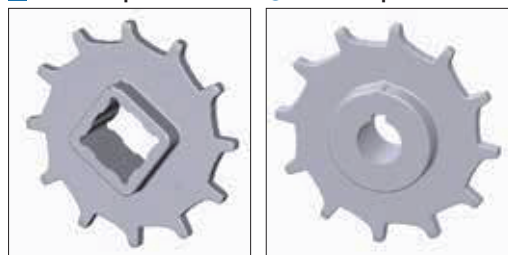
| Type                             | Height (H) |      | Standard materials & colors                                                                                                                                                                   |
|----------------------------------|------------|------|-----------------------------------------------------------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

## Sprocket

| No. of teeth | Bore size  |      |      |      |      |      |      |      | Overall diameter |      | Pitch diameter |      | Hub diameter |      | Dimension A |      | Dimension B |      | Single row/One way | Molded |
|--------------|------------|------|------|------|------|------|------|------|------------------|------|----------------|------|--------------|------|-------------|------|-------------|------|--------------------|--------|
|              | Pilot Bore | in   | 0.98 | 1.00 | 1.18 | 1.25 | 1.50 | 1.57 |                  |      |                |      |              |      |             |      |             |      |                    |        |
|              | mm         | 25.0 | 25.4 | 30.0 | 31.8 | 38.1 | 40.0 |      | mm               | in   | mm             | in   | mm           | in   | mm          | in   | mm          | in   |                    |        |
| Z08          | ✓          |      | ■    | ●    | ●    | ●    |      | ●    | 101              | 3.98 | 99.6           | 3.93 | 60.0         | 2.36 | 36.5        | 1.44 | 59.0        | 2.32 | ✓                  | ✓      |
| Z09          | ✓          |      |      | ●    | ●    | ●    |      | ●    | 113.7            | 4.48 | 111.4          | 4.39 | 70.0         | 2.76 | 42.8        | 1.69 | 64.9        | 2.56 | ✓                  | ✓      |
| Z09          |            |      |      |      |      |      | ■    | ■    | 113.7            | 4.48 | 111.4          | 4.39 | 74.0         | 2.91 | 42.8        | 1.69 | 64.9        | 2.56 | ✓                  | ✓      |
| Z11          | ✓          |      |      | ●    | ●    | ●    |      |      | 138.8            | 5.46 | 135.2          | 5.32 | 70.0         | 2.76 | 55.4        | 2.18 | 76.9        | 3.03 | ✓                  | ✓      |
| Z11          |            |      |      |      |      |      | ■    | ■    | 138.8            | 5.46 | 135.2          | 5.32 | 74.0         | 2.91 | 55.4        | 2.18 | 76.9        | 3.03 | ✓                  | ✓      |
| Z12          | ✓          |      |      |      | ●    | ●    | ●    | ●    | 151.2            | 5.95 | 147.2          | 5.80 | 70.0         | 2.76 | 61.6        | 2.43 | 82.9        | 3.26 | ✓                  | ✓      |
| Z12          |            |      |      |      |      |      | ■    | ■    | 151.2            | 5.95 | 147.2          | 5.80 | 74.0         | 2.91 | 61.6        | 2.43 | 82.9        | 3.26 | ✓                  | ✓      |
| Z13          | ✓          |      |      |      | ●    | ●    | ●    | ●    | 163.6            | 6.44 | 159.2          | 6.27 | 70.0         | 2.76 | 67.8        | 2.67 | 88.9        | 3.50 | ✓                  | ✓      |
| Z13          |            |      |      |      |      |      | ■    | ■    | 163.6            | 6.44 | 159.2          | 6.27 | 74.0         | 2.91 | 67.8        | 2.67 | 88.9        | 3.50 | ✓                  | ✓      |
| Z16          | ✓          |      |      |      | ●    | ●    | ●    | ●    | 200.5            | 7.89 | 195.3          | 7.69 | 70.0         | 2.76 | 86.3        | 3.40 | 107.0       | 4.21 | ✓                  | ✓      |
| Z16          |            |      |      |      |      |      | ■    | ■    | 200.5            | 7.89 | 195.3          | 7.69 | 74.0         | 2.91 | 86.3        | 3.40 | 107.0       | 4.21 | ✓                  | ✓      |

■ Molded sprocket

● Molded sprocket



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.

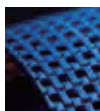
Non standard material  
 and color: See uni  
 Material and Color  
 Overview.



Conveyor Belts



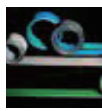
Seamless Belts



Modular Belts



Timing Belts



Transmission Belts

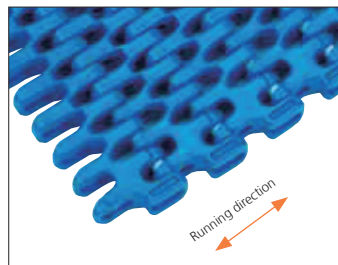


Fabrication  
& service

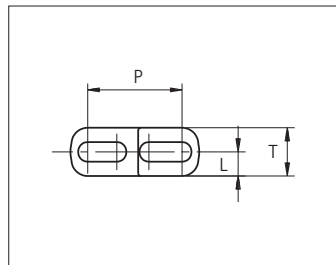
Expert advice, quality solutions  
and local service  
for all your belting needs  
**[www.unichains.com](http://www.unichains.com)**

# Plastic Modular Belt

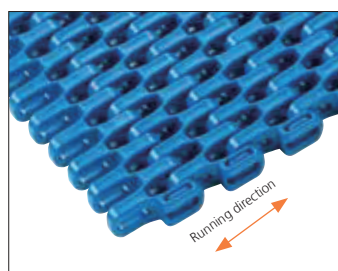
## Series uni Flex SNB



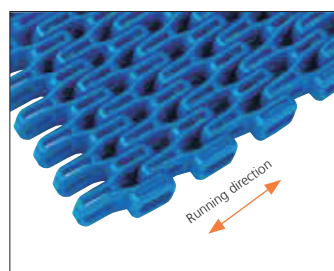
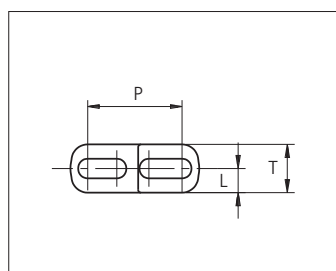
**uni Flex SNB CR R1.6**  
Surface Opening: 47%



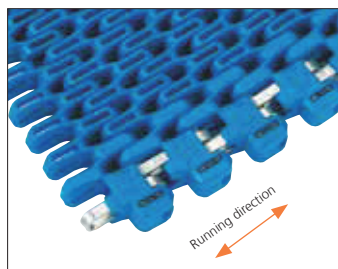
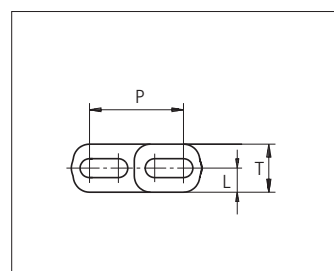
Sideflexing belt  
Nominal pitch: 25.4 mm (1.00 in)  
Surface type: Flat  
Surface opening: 47%/55%  
Backflex radius: 25.0 mm (0.98 in)  
Pin diameter: 5.0 mm (0.20 in)  
Min. inside radius: R1.6 x belt width. R2.3 x belt width



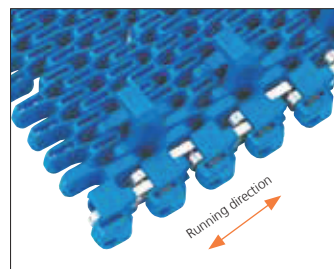
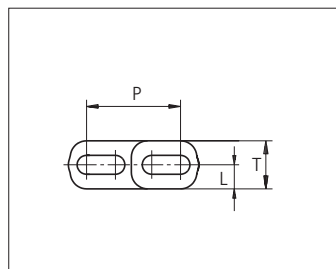
**uni Flex SNB C R2.3**  
Surface Opening: 47%



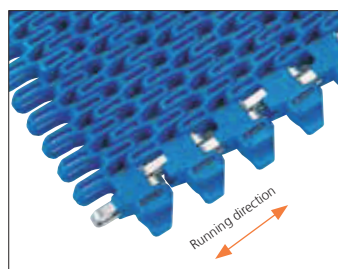
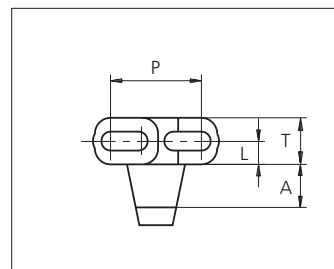
**uni Flex SNB L R2.3**  
Surface Opening: 55%



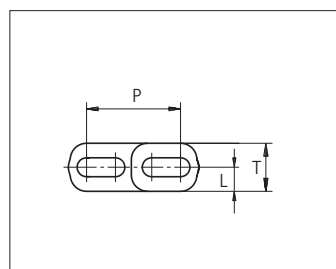
**uni Flex SNB W R2.3**  
Surface Opening: 55%



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



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

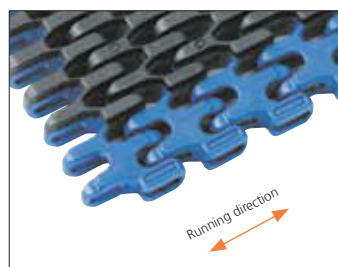


|                       | mm   | in   |          | mm   | in   |
|-----------------------|------|------|----------|------|------|
| <b>P</b><br>(Nominal) | 25.4 | 1.00 | <b>L</b> | 6.5  | 0.26 |
| <b>A</b>              | 12.0 | 0.47 | <b>T</b> | 13.0 | 0.51 |

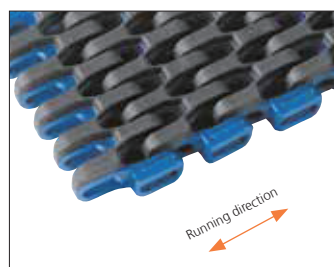
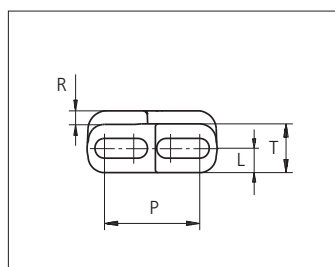
STANDARD

SIDE FLEXING

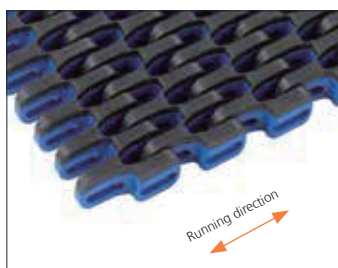
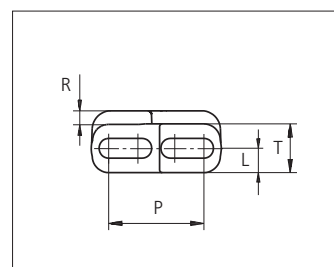
PITCH 25.4 MM/1.00 IN



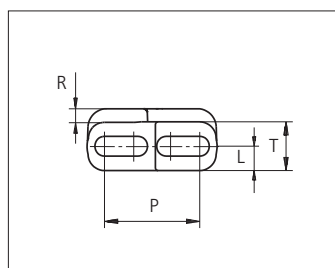
**uni Flex SNB CR Rubber Top R1.6**  
Surface Opening: 47%



**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   |
|--------------------|------|------|----------|------|------|
| <b>P (Nominal)</b> | 25.4 | 1.00 | <b>R</b> | 3.0  | 0.12 |
| <b>L</b>           | 6.5  | 0.26 | <b>T</b> | 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                                                                                                                                                                                                                                                                                                                                              |
|---------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>uni Flex SNB CR R1.6</b><br><b>uni Flex SNB C R2.3</b><br><b>uni Flex SNB L R2.3*</b>                                  | POM-D                                                                                          |  PBT                                                                                                                                                                                            |
|                                                                                                                           | PP                                                                                            |                                                                                                                                                                                                                                                                                                                                                                       |
|                                                                                                                           | PA6.6                                                                                        |                                                                                                                                                                                                                                                                                                                                                                       |
| <b>uni Flex SNB C R2.3</b>                                                                                                | POM-D                                                                                        |  SS304<br> SS304<br> PBT  |
| <b>uni Flex SNB W</b><br><b>uni Flex SNB WO</b>                                                                           | PA6.6                                                                                        |                                                                                                                                                                                                                                                                                                                                                                       |
| <b>uni Flex SNB WT</b>                                                                                                    | PA6.6                                                                                        |                                                                                                                                                                                                                                                                                                                                                                       |
| <b>uni Flex SNB CR Rubber Top R1.6</b><br><b>uni Flex SNB CI Rubber Top R2.3</b><br><b>uni Flex SNB C Rubber Top R2.3</b> | PP  + 03  |  PBT                                                                                                                                                                                            |
|                                                                                                                           | PP  + 03  |                                                                                                                                                                                                                                                                                                                                                                       |

#### Standard materials and colors

Lockingplates PP    
Wearpart and O-Tab PA6.6  

For high speed or load abrasive applications:

Wearpart and O-Tab POM-DK 

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

Alternative pin materials:  PA6.6  

## uni Flex SNB CR R1.6

| Belt width |      | Permissible tensile force<br>(Belt/pin material) |      |                   |     |                      |      |                   |     |                      |      |                   |     | Belt weight<br>(Belt/pin material) |       |        |       |           |       | *Min No.<br>drive<br>sprocket<br>per shaft | Number of wear<br>strips (Min. No.) |                   |
|------------|------|--------------------------------------------------|------|-------------------|-----|----------------------|------|-------------------|-----|----------------------|------|-------------------|-----|------------------------------------|-------|--------|-------|-----------|-------|--------------------------------------------|-------------------------------------|-------------------|
|            |      | POM-D/PBT                                        |      |                   |     | PP/PBT               |      |                   |     | PA6.6/PBT            |      |                   |     | POM-D<br>/PBT                      |       | PP/PBT |       | PA6.6/PBT |       |                                            | **Carry<br>(pcs)                    | **Return<br>(pcs) |
|            |      | Straight<br>sections                             |      | Curve<br>sections |     | Straight<br>sections |      | Curve<br>sections |     | Straight<br>sections |      | Curve<br>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 |                                            |                                     |                   |
| 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: 152.0 mm (6.00 in); Return: 304.0 mm (12.00 in).

## uni Flex SNB C R2.3 / uni Flex SNB L R2.3

| Belt width |      | Permissible tensile force<br>(Belt/pin material) |      |                   |     |                      |      |                   |     |                      |      |                   |     | Belt weight<br>(Belt/pin material) |       |        |       |           |       | *Min No.<br>drive<br>sprocket<br>per shaft | Number of wear<br>strips (Min. No.) |                   |
|------------|------|--------------------------------------------------|------|-------------------|-----|----------------------|------|-------------------|-----|----------------------|------|-------------------|-----|------------------------------------|-------|--------|-------|-----------|-------|--------------------------------------------|-------------------------------------|-------------------|
|            |      | POM-D/PBT                                        |      |                   |     | PP/PBT               |      |                   |     | PA6.6/PBT            |      |                   |     |                                    |       | PP/PBT |       | PA6.6/PBT |       |                                            | **Carry<br>(pcs)                    | **Return<br>(pcs) |
|            |      | Straight<br>sections                             |      | Curve<br>sections |     | Straight<br>sections |      | Curve<br>sections |     | Straight<br>sections |      | Curve<br>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 |                                            |                                     |                   |
| 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: 152.0 mm (6.00 in); Return: 304.0 mm (12.00 in)

uni Flex SNB W R2.3 / uni Flex SNB WO R2.3

| Belt width |      | Permissible tensile force<br>(Belt/pin material) |      |                   |     |                               |      |                   |     |                                  |      |                   |     | Belt weight<br>(Belt/pin material)    |       |                                    |       |                                  |       | *Min No.<br>drive<br>sprocket<br>per shaft | Number of wear<br>strips (Min. No.) |                   |
|------------|------|--------------------------------------------------|------|-------------------|-----|-------------------------------|------|-------------------|-----|----------------------------------|------|-------------------|-----|---------------------------------------|-------|------------------------------------|-------|----------------------------------|-------|--------------------------------------------|-------------------------------------|-------------------|
|            |      | POM-D/SS+<br>Reinforcement links                 |      |                   |     | PP/SS+<br>Reinforcement links |      |                   |     | PA6.6/SS+<br>Reinforcement links |      |                   |     | POM-D/SS+<br>Reinforce-<br>ment links |       | PP/SS+<br>Reinforce-<br>ment links |       | PA6.6/SS+<br>Reinforcement links |       |                                            | **Carry<br>(pcs)                    | **Return<br>(pcs) |
|            |      | Straight<br>sections                             |      | Curve<br>sections |     | Straight<br>sections          |      | Curve<br>sections |     | Straight<br>sections             |      | Curve<br>sections |     | kg/m                                  | lb/ft | kg/m                               | lb/ft | kg/m                             | lb/ft |                                            |                                     |                   |
| mm         | in   | N                                                | lbf  | N                 | lbf | N                             | lbf  | N                 | lbf | N                                | lbf  | N                 | lbf |                                       |       |                                    |       |                                  |       | kg/m                                       | lb/ft                               | kg/m              |
| 235        | 9.3  | 7050                                             | 1585 | 3300              | 742 | 3525                          | 792  | 3300              | 742 | 7050                             | 1585 | 3300              | 742 | 2.8                                   | 1.91  | 2.4                                | 1.58  | 2.6                              | 1.74  | 2                                          | 2                                   | 2                 |
| 311        | 12.2 | 9330                                             | 2097 | 3300              | 742 | 4665                          | 1049 | 3300              | 742 | 9330                             | 2097 | 3300              | 742 | 3.8                                   | 2.53  | 3.1                                | 2.09  | 3.4                              | 2.30  | 3                                          | 3                                   | 2                 |
| 387        | 15.2 | 11610                                            | 2610 | 3300              | 742 | 5805                          | 1305 | 3300              | 742 | 11610                            | 2610 | 3300              | 742 | 4.7                                   | 3.15  | 3.9                                | 2.60  | 4.3                              | 2.86  | 3                                          | 3                                   | 2                 |
| 463        | 18.2 | 13890                                            | 3122 | 3300              | 742 | 6945                          | 1561 | 3300              | 742 | 13890                            | 3122 | 3300              | 742 | 5.6                                   | 3.77  | 4.6                                | 3.11  | 5.1                              | 3.42  | 5                                          | 4                                   | 2                 |
| 540        | 21.3 | 16200                                            | 3642 | 3300              | 742 | 8100                          | 1821 | 3300              | 742 | 16200                            | 3642 | 3300              | 742 | 6.5                                   | 4.39  | 5.4                                | 3.63  | 5.9                              | 3.99  | 5                                          | 4                                   | 2                 |
| 616        | 24.3 | 18480                                            | 4154 | 3300              | 742 | 9240                          | 2077 | 3300              | 742 | 18480                            | 4154 | 3300              | 742 | 7.5                                   | 5.01  | 6.2                                | 4.14  | 6.8                              | 4.55  | 5                                          | 5                                   | 3                 |
| 692        | 27.2 | 20760                                            | 4667 | 3300              | 742 | 10380                         | 2333 | 3300              | 742 | 20760                            | 4667 | 3300              | 742 | 8.4                                   | 5.63  | 6.9                                | 4.65  | 7.6                              | 5.12  | 5                                          | 5                                   | 3                 |
| 768        | 30.2 | 23040                                            | 5179 | 3300              | 742 | 11520                         | 2590 | 3300              | 742 | 23040                            | 5179 | 3300              | 742 | 9.3                                   | 6.25  | 7.7                                | 5.16  | 8.4                              | 5.68  | 7                                          | 6                                   | 3                 |
| 844        | 33.2 | 25320                                            | 5692 | 3300              | 742 | 12660                         | 2846 | 3300              | 742 | 25320                            | 5692 | 3300              | 742 | 10.2                                  | 6.86  | 8.4                                | 5.67  | 9.3                              | 6.24  | 7                                          | 6                                   | 3                 |
| 920        | 36.2 | 27600                                            | 6204 | 3300              | 742 | 13800                         | 3102 | 3300              | 742 | 27600                            | 6204 | 3300              | 742 | 11.1                                  | 7.48  | 9.2                                | 6.18  | 10.1                             | 6.80  | 7                                          | 7                                   | 4                 |
| 996        | 39.2 | 29880                                            | 6717 | 3300              | 742 | 14940                         | 3359 | 3300              | 742 | 29880                            | 6717 | 3300              | 742 | 12.1                                  | 8.10  | 10.0                               | 6.69  | 11.0                             | 7.36  | 7                                          | 7                                   | 4                 |
| 1073       | 42.2 | 32190                                            | 7236 | 3300              | 742 | 16095                         | 3618 | 3300              | 742 | 32190                            | 7236 | 3300              | 742 | 13.0                                  | 8.73  | 10.7                               | 7.21  | 11.8                             | 7.93  | 9                                          | 8                                   | 4                 |
| 1149       | 45.2 | 34470                                            | 7749 | 3300              | 742 | 17235                         | 3874 | 3300              | 742 | 34470                            | 7749 | 3300              | 742 | 13.9                                  | 9.34  | 11.5                               | 7.72  | 12.6                             | 8.49  | 9                                          | 8                                   | 4                 |
| 1149       | 45.2 | 34470                                            | 7749 | 3300              | 742 | 17235                         | 3874 | 3300              | 742 | 34470                            | 7749 | 3300              | 742 | 13.9                                  | 9.34  | 11.5                               | 7.72  | 12.6                             | 8.49  | 9                                          | 8                                   | 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)

|      |      |       |       |      |     |       |      |      |     |       |       |      |     |      |       |      |       |      |       |    |    |   |
|------|------|-------|-------|------|-----|-------|------|------|-----|-------|-------|------|-----|------|-------|------|-------|------|-------|----|----|---|
| 1606 | 63.2 | 48180 | 10831 | 3300 | 742 | 24090 | 5415 | 3300 | 742 | 48180 | 10831 | 3300 | 742 | 19.4 | 13.06 | 16.1 | 10.79 | 17.7 | 11.87 | 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)

|      |      |       |       |      |     |       |      |      |     |       |       |      |     |      |       |      |       |      |       |    |    |   |
|------|------|-------|-------|------|-----|-------|------|------|-----|-------|-------|------|-----|------|-------|------|-------|------|-------|----|----|---|
| 1986 | 78.2 | 59580 | 13394 | 3300 | 742 | 29790 | 6697 | 3300 | 742 | 59580 | 13394 | 3300 | 742 | 24.0 | 16.15 | 19.9 | 13.35 | 21.8 | 14.68 | 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 234.0 mm (9.21 in).

Belts up to 234.0 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: 152.0 mm (6.00 in); Return: 304.0 mm (12.00 in).

uni Flex SNB WT R2.3 – PBT pins

| Belt width |      | Permissible tensile force<br>(Belt/pin material) |      |                   |     |                      |      |                   |     |                      |      |                   |     | Belt weight<br>(Belt/pin material) |       |        |       |           |       | *Min No.<br>drive<br>sprocket<br>per shaft | Number of wear<br>strips (Min. No.) |                   |
|------------|------|--------------------------------------------------|------|-------------------|-----|----------------------|------|-------------------|-----|----------------------|------|-------------------|-----|------------------------------------|-------|--------|-------|-----------|-------|--------------------------------------------|-------------------------------------|-------------------|
|            |      | POM-D/PBT                                        |      |                   |     | PP/PBT               |      |                   |     | PA6.6/PBT            |      |                   |     | POM-D/PBT                          |       | PP/PBT |       | PA6.6/PBT |       |                                            | **Carry<br>(pcs)                    | **Return<br>(pcs) |
|            |      | Straight<br>sections                             |      | Curve<br>sections |     | Straight<br>sections |      | Curve<br>sections |     | Straight<br>sections |      | Curve<br>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 |                                            |                                     |                   |
| 235        | 9.3  | 7050                                             | 1585 | 1000              | 225 | 3525                 | 792  | 1000              | 225 | 7050                 | 1585 | 1000              | 225 | 1.6                                | 1.09  | 1.1    | 0.76  | 1.4       | 0.92  | 2                                          | 2                                   | 2                 |
| 311        | 12.2 | 9330                                             | 2097 | 1000              | 225 | 4665                 | 1049 | 1000              | 225 | 9330                 | 2097 | 1000              | 225 | 2.1                                | 1.44  | 1.5    | 1.00  | 1.8       | 1.21  | 3                                          | 3                                   | 2                 |
| 387        | 15.2 | 11610                                            | 2610 | 1000              | 225 | 5805                 | 1305 | 1000              | 225 | 11610                | 2610 | 1000              | 225 | 2.7                                | 1.79  | 1.9    | 1.25  | 2.2       | 1.51  | 3                                          | 3                                   | 2                 |
| 463        | 18.2 | 13890                                            | 3122 | 1000              | 225 | 6945                 | 1561 | 1000              | 225 | 13890                | 3122 | 1000              | 225 | 3.2                                | 2.15  | 2.2    | 1.49  | 2.7       | 1.80  | 5                                          | 4                                   | 2                 |
| 540        | 21.3 | 16200                                            | 3642 | 1000              | 225 | 8100                 | 1821 | 1000              | 225 | 16200                | 3642 | 1000              | 225 | 3.7                                | 2.50  | 2.6    | 1.74  | 3.1       | 2.10  | 5                                          | 4                                   | 2                 |
| 616        | 24.3 | 18480                                            | 4154 | 1000              | 225 | 9240                 | 2077 | 1000              | 225 | 18480                | 4154 | 1000              | 225 | 4.3                                | 2.86  | 3.0    | 1.99  | 3.6       | 2.40  | 5                                          | 5                                   | 3                 |
| 692        | 27.2 | 20760                                            | 4667 | 1000              | 225 | 10380                | 2333 | 1000              | 225 | 20760                | 4667 | 1000              | 225 | 4.8                                | 3.21  | 3.3    | 2.23  | 4.0       | 2.70  | 5                                          | 5                                   | 3                 |
| 768        | 30.2 | 23040                                            | 5179 | 1000              | 225 | 11520                | 2590 | 1000              | 225 | 23040                | 5179 | 1000              | 225 | 5.3                                | 3.56  | 3.7    | 2.48  | 4.5       | 2.99  | 7                                          | 6                                   | 3                 |
| 844        | 33.2 | 25320                                            | 5692 | 1000              | 225 | 12660                | 2846 | 1000              | 225 | 25320                | 5692 | 1000              | 225 | 5.8                                | 3.91  | 4.1    | 2.72  | 4.9       | 3.29  | 7                                          | 6                                   | 3                 |
| 920        | 36.2 | 27600                                            | 6204 | 1000              | 225 | 13800                | 3102 | 1000              | 225 | 27600                | 6204 | 1000              | 225 | 6.3                                | 4.27  | 4.4    | 2.97  | 5.3       | 3.59  | 7                                          | 7                                   | 4                 |
| 996        | 39.2 | 29880                                            | 6717 | 1000              | 225 | 14940                | 3359 | 1000              | 225 | 29880                | 6717 | 1000              | 225 | 6.9                                | 4.62  | 4.8    | 3.21  | 5.8       | 3.88  | 7                                          | 7                                   | 4                 |
| 1073       | 42.2 | 32190                                            | 7236 | 1000              | 225 | 16095                | 3618 | 1000              | 225 | 32190                | 7236 | 1000              | 225 | 7.4                                | 4.98  | 5.2    | 3.46  | 6.2       | 4.18  | 9                                          | 8                                   | 4                 |
| 1149       | 45.2 | 34470                                            | 7749 | 1000              | 225 | 17235                | 3874 | 1000              | 225 | 34470                | 7749 | 1000              | 225 | 7.9                                | 5.33  | 5.5    | 3.71  | 6.7       | 4.48  | 9                                          | 8                                   | 4                 |
| 1225       | 48.2 | 36750                                            | 8261 | 1000              | 225 | 18375                | 4131 | 1000              | 225 | 36750                | 8261 | 1000              | 225 | 8.5                                | 5.68  | 5.9    | 3.95  | 7.1       | 4.77  | 9                                          | 9                                   | 5                 |

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).

|      |      |       |       |      |     |       |      |      |     |       |       |      |     |      |      |     |      |     |      |    |    |   |
|------|------|-------|-------|------|-----|-------|------|------|-----|-------|-------|------|-----|------|------|-----|------|-----|------|----|----|---|
| 1606 | 63.2 | 48180 | 10831 | 1000 | 225 | 24090 | 5415 | 1000 | 225 | 48180 | 10831 | 1000 | 225 | 11.1 | 7.45 | 7.7 | 5.18 | 9.3 | 6.26 | 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).

|      |      |       |       |      |     |       |      |      |     |       |       |      |     |      |      |     |      |      |      |    |    |   |
|------|------|-------|-------|------|-----|-------|------|------|-----|-------|-------|------|-----|------|------|-----|------|------|------|----|----|---|
| 1986 | 78.2 | 59580 | 13394 | 1000 | 225 | 29790 | 6697 | 1000 | 225 | 59580 | 13394 | 1000 | 225 | 13.7 | 9.21 | 9.5 | 6.41 | 11.5 | 7.74 | 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 234.0 mm (9.21 in).

Belts up to 234.0 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: 152.0 mm (6.00 in); Return: 304.0 mm (12.00 in).

## uni Flex SNB WT R2.3 – SS pins

| Belt width |      | Permissible tensile force<br>(Belt/pin material) |      |                   |     |                               |      |                   |     |                                  |      |                   |     | Belt weight<br>(Belt/pin material)    |       |                                    |       |                                       |       | *Min No.<br>drive<br>sprocket<br>per shaft | Number of wear<br>strips (Min. No.) |                   |
|------------|------|--------------------------------------------------|------|-------------------|-----|-------------------------------|------|-------------------|-----|----------------------------------|------|-------------------|-----|---------------------------------------|-------|------------------------------------|-------|---------------------------------------|-------|--------------------------------------------|-------------------------------------|-------------------|
|            |      | POM-D/SS<br>+Reinforcement links                 |      |                   |     | PP/SS<br>+Reinforcement links |      |                   |     | PA6.6/SS<br>+Reinforcement links |      |                   |     | POM-D/SS+<br>Reinforce-<br>ment links |       | PP/SS+<br>Reinforce-<br>ment links |       | PA6.6/SS+<br>Reinforce-<br>ment links |       |                                            | **Carry<br>(pcs)                    | **Return<br>(pcs) |
|            |      | Straight<br>sections                             |      | Curve<br>sections |     | Straight<br>sections          |      | Curve<br>sections |     | Straight<br>sections             |      | Curve<br>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 |                                            |                                     |                   |
| 235        | 9.3  | 7050                                             | 1585 | 3300              | 742 | 3525                          | 792  | 3300              | 742 | 7050                             | 1585 | 3300              | 742 | 2.8                                   | 1.91  | 2.4                                | 1.58  | 2.6                                   | 1.74  | 2                                          | 2                                   | 2                 |
| 311        | 12.2 | 9330                                             | 2097 | 3300              | 742 | 4665                          | 1049 | 3300              | 742 | 9330                             | 2097 | 3300              | 742 | 3.8                                   | 2.53  | 3.1                                | 2.09  | 3.4                                   | 2.30  | 3                                          | 3                                   | 2                 |
| 387        | 15.2 | 11610                                            | 2610 | 3300              | 742 | 5805                          | 1305 | 3300              | 742 | 11610                            | 2610 | 3300              | 742 | 4.7                                   | 3.15  | 3.9                                | 2.60  | 4.3                                   | 2.86  | 3                                          | 3                                   | 2                 |
| 463        | 18.2 | 13890                                            | 3122 | 3300              | 742 | 6945                          | 1561 | 3300              | 742 | 13890                            | 3122 | 3300              | 742 | 5.6                                   | 3.77  | 4.6                                | 3.11  | 5.1                                   | 3.42  | 5                                          | 4                                   | 2                 |
| 540        | 21.3 | 16200                                            | 3642 | 3300              | 742 | 8100                          | 1821 | 3300              | 742 | 16200                            | 3642 | 3300              | 742 | 6.5                                   | 4.39  | 5.4                                | 3.63  | 5.9                                   | 3.99  | 5                                          | 4                                   | 2                 |
| 616        | 24.3 | 18480                                            | 4154 | 3300              | 742 | 9240                          | 2077 | 3300              | 742 | 18480                            | 4154 | 3300              | 742 | 7.5                                   | 5.01  | 6.2                                | 4.14  | 6.8                                   | 4.55  | 5                                          | 5                                   | 3                 |
| 692        | 27.2 | 20760                                            | 4667 | 3300              | 742 | 10380                         | 2333 | 3300              | 742 | 20760                            | 4667 | 3300              | 742 | 8.4                                   | 5.63  | 6.9                                | 4.65  | 7.6                                   | 5.12  | 5                                          | 5                                   | 3                 |
| 768        | 30.2 | 23040                                            | 5179 | 3300              | 742 | 11520                         | 2590 | 3300              | 742 | 23040                            | 5179 | 3300              | 742 | 9.3                                   | 6.25  | 7.7                                | 5.16  | 8.4                                   | 5.68  | 7                                          | 6                                   | 3                 |
| 844        | 33.2 | 25320                                            | 5692 | 3300              | 742 | 12660                         | 2846 | 3300              | 742 | 25320                            | 5692 | 3300              | 742 | 10.2                                  | 6.86  | 8.4                                | 5.67  | 9.3                                   | 6.24  | 7                                          | 6                                   | 3                 |
| 920        | 36.2 | 27600                                            | 6204 | 3300              | 742 | 13800                         | 3102 | 3300              | 742 | 27600                            | 6204 | 3300              | 742 | 11.1                                  | 7.48  | 9.2                                | 6.18  | 10.1                                  | 6.80  | 7                                          | 7                                   | 4                 |
| 996        | 39.2 | 29880                                            | 6717 | 3300              | 742 | 14940                         | 3359 | 3300              | 742 | 29880                            | 6717 | 3300              | 742 | 12.1                                  | 8.10  | 10.0                               | 6.69  | 11.0                                  | 7.36  | 7                                          | 7                                   | 4                 |
| 1073       | 42.2 | 32190                                            | 7236 | 3300              | 742 | 16095                         | 3618 | 3300              | 742 | 32190                            | 7236 | 3300              | 742 | 13.0                                  | 8.73  | 10.7                               | 7.21  | 11.8                                  | 7.93  | 9                                          | 8                                   | 4                 |
| 1149       | 45.2 | 34470                                            | 7749 | 3300              | 742 | 17235                         | 3874 | 3300              | 742 | 34470                            | 7749 | 3300              | 742 | 13.9                                  | 9.34  | 11.5                               | 7.72  | 12.6                                  | 8.49  | 9                                          | 8                                   | 4                 |
| 1225       | 48.2 | 36750                                            | 8261 | 3300              | 742 | 18375                         | 4131 | 3300              | 742 | 36750                            | 8261 | 3300              | 742 | 14.8                                  | 9.96  | 12.3                               | 8.23  | 13.5                                  | 9.06  | 9                                          | 9                                   | 5                 |

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).

|      |      |       |       |      |     |       |      |      |     |       |       |      |     |      |       |      |       |      |       |    |    |   |
|------|------|-------|-------|------|-----|-------|------|------|-----|-------|-------|------|-----|------|-------|------|-------|------|-------|----|----|---|
| 1606 | 63.2 | 48180 | 10831 | 3300 | 742 | 24090 | 5415 | 3300 | 742 | 48180 | 10831 | 3300 | 742 | 19.4 | 13.06 | 16.1 | 10.79 | 17.7 | 11.87 | 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).

|      |      |       |       |      |     |       |      |      |     |       |       |      |     |      |       |      |       |      |       |    |    |   |
|------|------|-------|-------|------|-----|-------|------|------|-----|-------|-------|------|-----|------|-------|------|-------|------|-------|----|----|---|
| 1986 | 78.2 | 59580 | 13394 | 3300 | 742 | 29790 | 6697 | 3300 | 742 | 59580 | 13394 | 3300 | 742 | 24.0 | 16.15 | 19.9 | 13.35 | 21.8 | 14.68 | 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.

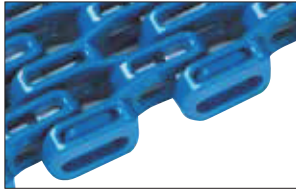
Outer modules are always in PA6.6 on belts wider than 234.0 mm (9.21 in).

Belts up to 234.0 mm (9.21 in) in width is only available in PA6.6.

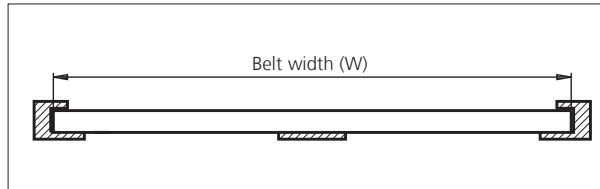
\*Max. Load per Drive Sprocket. Belt material: POM-D 1000 N (225 lbf). PP 850 N (191 lbf). PA6.6 1000 N (225 lbf).

\*\*Max. Spacing between wear strips. Carry: 152.0 mm (6 in); Return: 304.0 mm (12 in).

## Belt Tracking og Control Systems



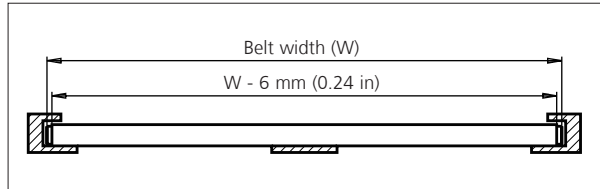
**uni Flex SNB L R2.3**  
Standard



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.



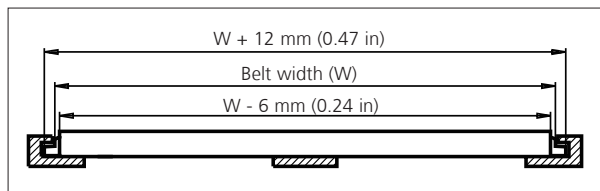
**Wearpart**



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.



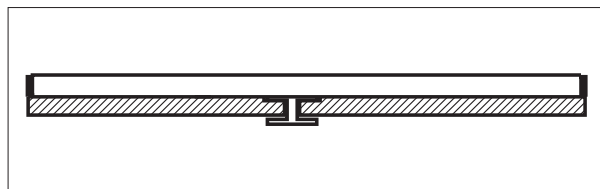
**O-Tab**



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)



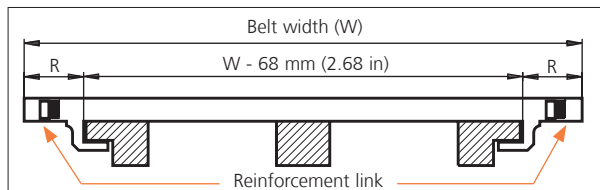
**I-Tab**



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).



**S-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).

| 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).

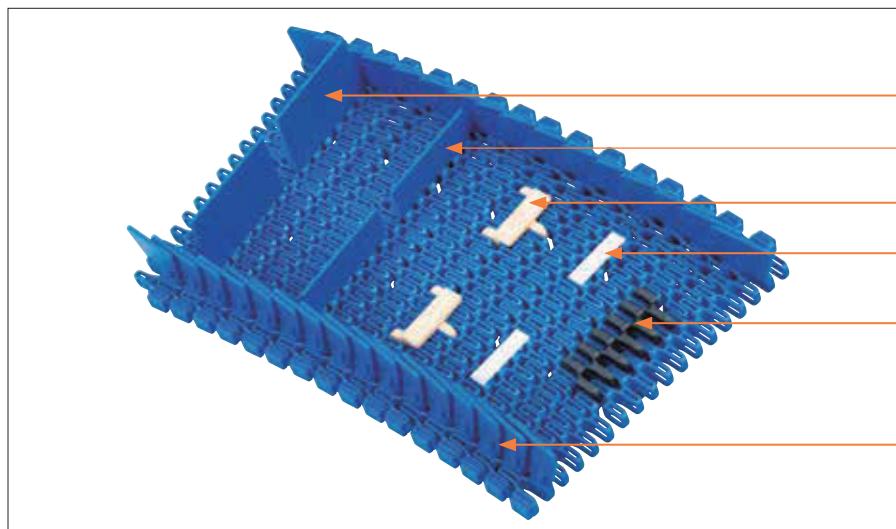
When using square shafts, please verify that the diagonal does not exceed max. diameter.

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

✓ Standard + Optional

- Unavailable

## Accessories



- Click on Flight 50.8 mm (2.00 in)
- Click on Flight 25.4 mm (1.00 in)
- Rubber Support: Made-To-Order
- Click on Flight Low: Made-To-Order
- Rubber Top
- Side Guard

## Accessories

### Side Guard / Standard

| Type       | Belt material & color                                                                                                                                             | Height |      |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|------|
|            |                                                                                                                                                                   | mm     | in   |
| Side Guard | PP-I <span style="background-color: #0056b3; color: white; padding: 0 2px;">B</span> <span style="background-color: white; color: black; padding: 0 2px;"></span> | 30.0   | 1.18 |

## Accessories

### Flight / Standard

| Type                 | Belt material & color                                                                                                                                              | Link size | Height |      | Width |      |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|--------|------|-------|------|
|                      |                                                                                                                                                                    |           | mm     | in   | mm    | in   |
| Click on Flight Flat | PA6.6 <span style="background-color: #0056b3; color: white; padding: 0 2px;">B</span> <span style="background-color: white; color: black; padding: 0 2px;"></span> | K300      | 25.4   | 1.00 | 75.9  | 2.99 |
|                      | PP <span style="background-color: #0056b3; color: white; padding: 0 2px;">B</span> <span style="background-color: white; color: black; padding: 0 2px;"></span>    |           | 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 <span style="background-color: #f0f0f0; border: 1px solid black; padding: 0 2px;">N</span>    | 4.0 | 0.16 | 43.0  | 1.69 | 14.0   | 0.55 |
| Click on Flight Low | POM-D <span style="background-color: #f0f0f0; border: 1px solid black; padding: 0 2px;">N</span> | 4.0 | 0.16 | 42.0  | 1.65 | 10.5   | 0.41 |

## Accessories

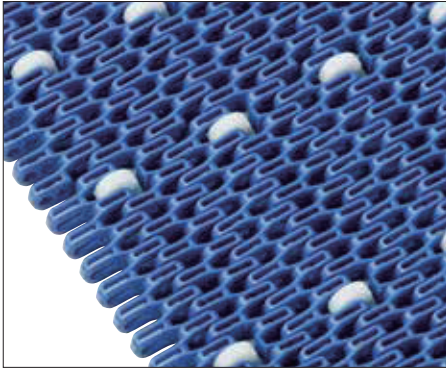
### Minimum Indents (I)

| 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 |

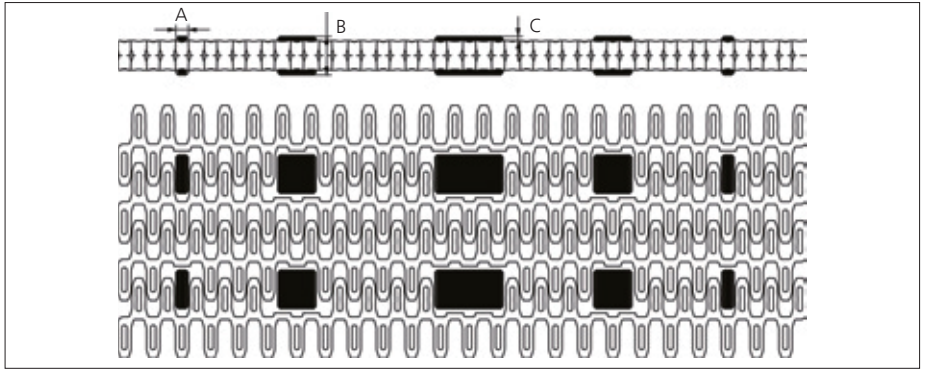
\* Even distance between Click on Flight rows

\*\* Odd distance between Click on Flight rows

## Made-To-Order Selection



**uni Flex SNB with Rollers**  
 $\varnothing 17 \times 5.5 \text{ mm}$  ( $\varnothing 0.67 \times 0.22 \text{ in}$ )



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

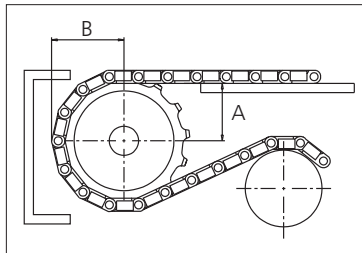
| Type    | Roller material & color                                                                 | A    |      | B    |      | C   |      |
|---------|-----------------------------------------------------------------------------------------|------|------|------|------|-----|------|
|         |                                                                                         | mm   | in   | mm   | in   | mm  | in   |
| Plastic | POM-D  | 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 |  PA6 |
|--------------|------------|----|------|------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|------|------|------------------|------|----------------|------|--------------|------|-------------|------|-------------|------|--------------------|--------------------|-----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
|              | Pilot Bore | in | 0.75 | 0.79 | 0.98                                                                                | 1.00                                                                                | 1.18                                                                                | 1.25                                                                                | 1.50                                                                                | 1.57                                                                                | 2.36 | 2.50 |                  |      |                |      |              |      |             |      |             |      |                    |                    |                                                                                         |                                                                                         |
|              |            | 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          |      |                    |                    |                                                                                         |                                                                                         |
| 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).

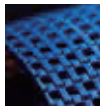
Max. load per sprocket shown does not take bore size into account.  
 Please also ensure that sufficient size shaft is chosen for corresponding load.  
 For correct sprocket position: See uni Assembly Instructions for uni Flex ASB.  
 For more detailed sprocket information, contact Customer Service.



Conveyor Belts



Seamless Belts



Modular Belts



Timing Belts



Transmission Belts

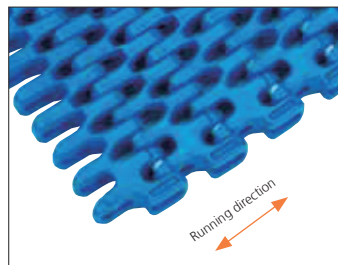


Fabrication & service

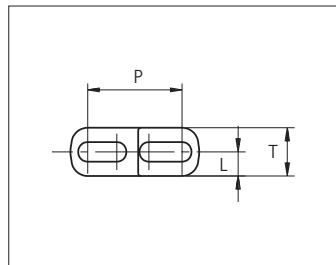
Expert advice, quality solutions and local service for all your belting needs  
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# Plastic Modular Belt

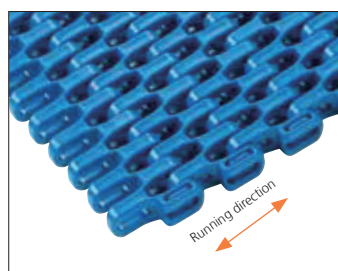
Series **uni Flex SNB**



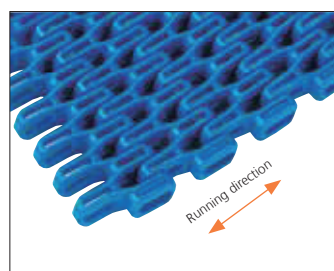
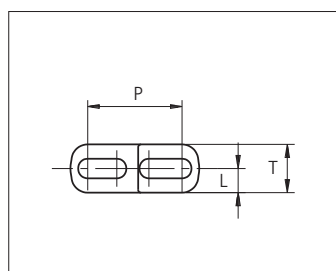
**uni Flex SNB CR R1.6**  
Surface Opening: 47%



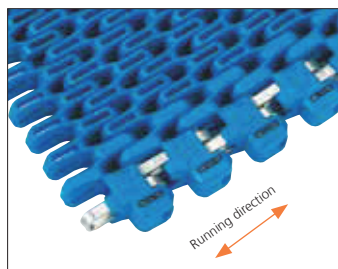
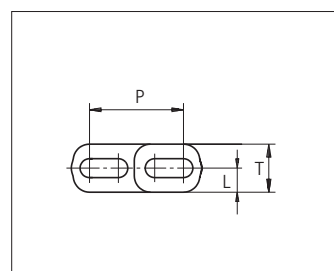
Sideflexing belt  
Nominal pitch: 25.4 mm (1.00 in)  
Surface type: Flat  
Surface opening: 47%/55%  
Backflex radius: 25.0 mm (0.98 in)  
Pin diameter: 5.0 mm (0.20 in)  
Min. inside radius: R1.6 x belt width. R2.3 x belt width



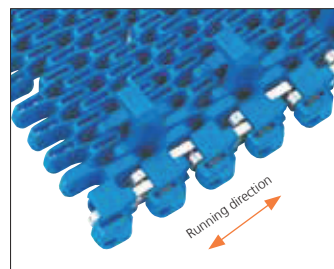
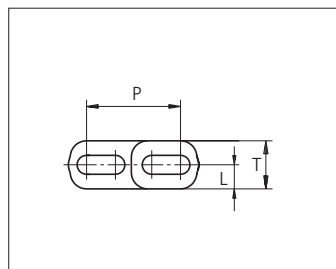
**uni Flex SNB C R2.3**  
Surface Opening: 47%



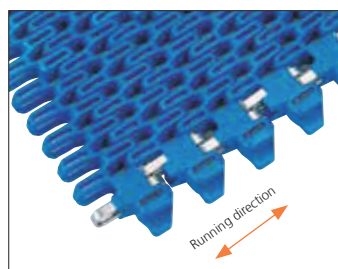
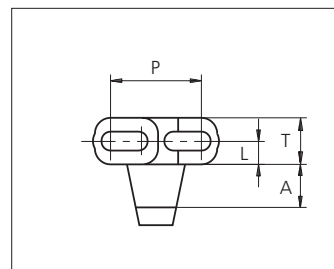
**uni Flex SNB L R2.3**  
Surface Opening: 55%



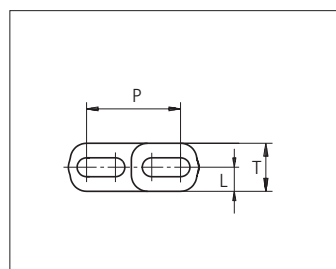
**uni Flex SNB W R2.3**  
Surface Opening: 55%



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



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

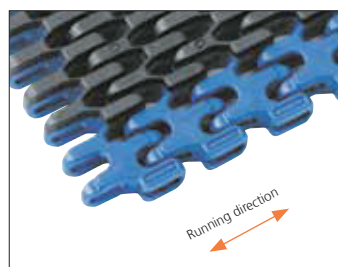


|                       | mm   | in   |          | mm   | in   |
|-----------------------|------|------|----------|------|------|
| <b>P</b><br>(Nominal) | 25.4 | 1.00 | <b>L</b> | 6.5  | 0.26 |
| <b>A</b>              | 12.0 | 0.47 | <b>T</b> | 13.0 | 0.51 |

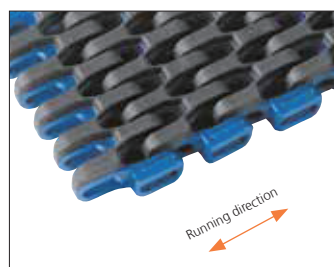
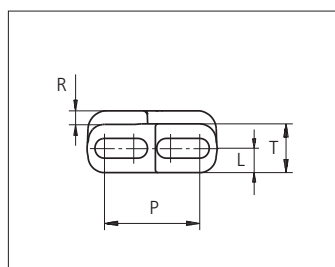
STANDARD

SIDE FLEXING

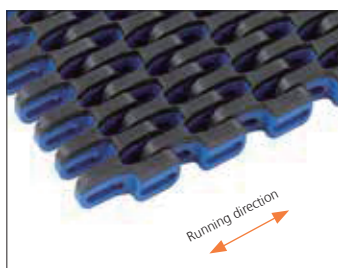
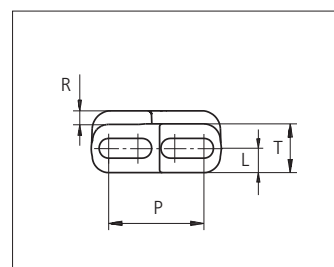
PITCH 25.4 MM/1.00 IN



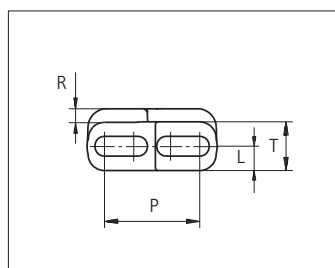
**uni Flex SNB CR Rubber Top R1.6**  
Surface Opening: 47%



**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   |
|--------------------|------|------|----------|------|------|
| <b>P (Nominal)</b> | 25.4 | 1.00 | <b>R</b> | 3.0  | 0.12 |
| <b>L</b>           | 6.5  | 0.26 | <b>T</b> | 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 |
|---------------------------------------------------------------------------------------------------------------------------|---------------------------|--------------------------|
| <b>uni Flex SNB CR R1.6</b><br><b>uni Flex SNB C R2.3</b><br><b>uni Flex SNB L R2.3*</b>                                  | POM-D                     | PBT                      |
|                                                                                                                           | PP                        |                          |
|                                                                                                                           | PA6.6                     |                          |
| <b>uni Flex SNB C R2.3</b>                                                                                                | POM-D                     | SS304                    |
| <b>uni Flex SNB W</b><br><b>uni Flex SNB WO</b>                                                                           | PA6.6                     |                          |
| <b>uni Flex SNB WT</b>                                                                                                    | PA6.6                     | SS304                    |
|                                                                                                                           |                           | PBT                      |
| <b>uni Flex SNB CR Rubber Top R1.6</b><br><b>uni Flex SNB CI Rubber Top R2.3</b><br><b>uni Flex SNB C Rubber Top R2.3</b> | PP  + 03                  | PBT                      |
|                                                                                                                           | PP  + 03                  |                          |

#### Standard materials and colors

Lockingplates PP B  
Wearpart and O-Tab PA6.6 B

For high speed or load abrasive applications:

Wearpart and O-Tab POM-DK

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

Alternative pin materials: PA6.6 N

## uni Flex SNB CR R1.6

| Belt width |      | Permissible tensile force<br>(Belt/pin material) |      |                   |     |                      |      |                   |     |                      |      |                   |     | Belt weight<br>(Belt/pin material) |       |        |       |           |       | *Min No.<br>drive<br>sprocket<br>per shaft | Number of wear<br>strips (Min. No.) |                   |
|------------|------|--------------------------------------------------|------|-------------------|-----|----------------------|------|-------------------|-----|----------------------|------|-------------------|-----|------------------------------------|-------|--------|-------|-----------|-------|--------------------------------------------|-------------------------------------|-------------------|
|            |      | POM-D/PBT                                        |      |                   |     | PP/PBT               |      |                   |     | PA6.6/PBT            |      |                   |     | POM-D<br>/PBT                      |       | PP/PBT |       | PA6.6/PBT |       |                                            | **Carry<br>(pcs)                    | **Return<br>(pcs) |
|            |      | Straight<br>sections                             |      | Curve<br>sections |     | Straight<br>sections |      | Curve<br>sections |     | Straight<br>sections |      | Curve<br>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 |                                            |                                     |                   |
| 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: 152.0 mm (6.00 in); Return: 304.0 mm (12.00 in).

## uni Flex SNB C R2.3 / uni Flex SNB L R2.3

| Belt width |      | Permissible tensile force<br>(Belt/pin material) |      |                   |     |                      |      |                   |     |                      |      |                   |     | Belt weight<br>(Belt/pin material) |       |        |       |           |       | *Min No.<br>drive<br>sprocket<br>per shaft | Number of wear<br>strips (Min. No.) |                   |
|------------|------|--------------------------------------------------|------|-------------------|-----|----------------------|------|-------------------|-----|----------------------|------|-------------------|-----|------------------------------------|-------|--------|-------|-----------|-------|--------------------------------------------|-------------------------------------|-------------------|
|            |      | POM-D/PBT                                        |      |                   |     | PP/PBT               |      |                   |     | PA6.6/PBT            |      |                   |     |                                    |       | PP/PBT |       | PA6.6/PBT |       |                                            | **Carry<br>(pcs)                    | **Return<br>(pcs) |
|            |      | Straight<br>sections                             |      | Curve<br>sections |     | Straight<br>sections |      | Curve<br>sections |     | Straight<br>sections |      | Curve<br>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 |                                            |                                     |                   |
| 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: 152.0 mm (6.00 in); Return: 304.0 mm (12.00 in)

uni Flex SNB W R2.3 / uni Flex SNB WO R2.3

| Belt width |      | Permissible tensile force<br>(Belt/pin material) |      |                   |     |                               |      |                   |     |                                  |      |                   |     | Belt weight<br>(Belt/pin material)    |       |                                    |       |                                  |       | *Min No.<br>drive<br>sprocket<br>per shaft | Number of wear<br>strips (Min. No.) |                   |
|------------|------|--------------------------------------------------|------|-------------------|-----|-------------------------------|------|-------------------|-----|----------------------------------|------|-------------------|-----|---------------------------------------|-------|------------------------------------|-------|----------------------------------|-------|--------------------------------------------|-------------------------------------|-------------------|
|            |      | POM-D/SS+<br>Reinforcement links                 |      |                   |     | PP/SS+<br>Reinforcement links |      |                   |     | PA6.6/SS+<br>Reinforcement links |      |                   |     | POM-D/SS+<br>Reinforce-<br>ment links |       | PP/SS+<br>Reinforce-<br>ment links |       | PA6.6/SS+<br>Reinforcement links |       |                                            | **Carry<br>(pcs)                    | **Return<br>(pcs) |
|            |      | Straight<br>sections                             |      | Curve<br>sections |     | Straight<br>sections          |      | Curve<br>sections |     | Straight<br>sections             |      | Curve<br>sections |     | kg/m                                  | lb/ft | kg/m                               | lb/ft | kg/m                             | lb/ft |                                            |                                     |                   |
| mm         | in   | N                                                | lbf  | N                 | lbf | N                             | lbf  | N                 | lbf | N                                | lbf  | N                 | lbf |                                       |       |                                    |       |                                  |       | kg/m                                       | lb/ft                               | kg/m              |
| 235        | 9.3  | 7050                                             | 1585 | 3300              | 742 | 3525                          | 792  | 3300              | 742 | 7050                             | 1585 | 3300              | 742 | 2.8                                   | 1.91  | 2.4                                | 1.58  | 2.6                              | 1.74  | 2                                          | 2                                   | 2                 |
| 311        | 12.2 | 9330                                             | 2097 | 3300              | 742 | 4665                          | 1049 | 3300              | 742 | 9330                             | 2097 | 3300              | 742 | 3.8                                   | 2.53  | 3.1                                | 2.09  | 3.4                              | 2.30  | 3                                          | 3                                   | 2                 |
| 387        | 15.2 | 11610                                            | 2610 | 3300              | 742 | 5805                          | 1305 | 3300              | 742 | 11610                            | 2610 | 3300              | 742 | 4.7                                   | 3.15  | 3.9                                | 2.60  | 4.3                              | 2.86  | 3                                          | 3                                   | 2                 |
| 463        | 18.2 | 13890                                            | 3122 | 3300              | 742 | 6945                          | 1561 | 3300              | 742 | 13890                            | 3122 | 3300              | 742 | 5.6                                   | 3.77  | 4.6                                | 3.11  | 5.1                              | 3.42  | 5                                          | 4                                   | 2                 |
| 540        | 21.3 | 16200                                            | 3642 | 3300              | 742 | 8100                          | 1821 | 3300              | 742 | 16200                            | 3642 | 3300              | 742 | 6.5                                   | 4.39  | 5.4                                | 3.63  | 5.9                              | 3.99  | 5                                          | 4                                   | 2                 |
| 616        | 24.3 | 18480                                            | 4154 | 3300              | 742 | 9240                          | 2077 | 3300              | 742 | 18480                            | 4154 | 3300              | 742 | 7.5                                   | 5.01  | 6.2                                | 4.14  | 6.8                              | 4.55  | 5                                          | 5                                   | 3                 |
| 692        | 27.2 | 20760                                            | 4667 | 3300              | 742 | 10380                         | 2333 | 3300              | 742 | 20760                            | 4667 | 3300              | 742 | 8.4                                   | 5.63  | 6.9                                | 4.65  | 7.6                              | 5.12  | 5                                          | 5                                   | 3                 |
| 768        | 30.2 | 23040                                            | 5179 | 3300              | 742 | 11520                         | 2590 | 3300              | 742 | 23040                            | 5179 | 3300              | 742 | 9.3                                   | 6.25  | 7.7                                | 5.16  | 8.4                              | 5.68  | 7                                          | 6                                   | 3                 |
| 844        | 33.2 | 25320                                            | 5692 | 3300              | 742 | 12660                         | 2846 | 3300              | 742 | 25320                            | 5692 | 3300              | 742 | 10.2                                  | 6.86  | 8.4                                | 5.67  | 9.3                              | 6.24  | 7                                          | 6                                   | 3                 |
| 920        | 36.2 | 27600                                            | 6204 | 3300              | 742 | 13800                         | 3102 | 3300              | 742 | 27600                            | 6204 | 3300              | 742 | 11.1                                  | 7.48  | 9.2                                | 6.18  | 10.1                             | 6.80  | 7                                          | 7                                   | 4                 |
| 996        | 39.2 | 29880                                            | 6717 | 3300              | 742 | 14940                         | 3359 | 3300              | 742 | 29880                            | 6717 | 3300              | 742 | 12.1                                  | 8.10  | 10.0                               | 6.69  | 11.0                             | 7.36  | 7                                          | 7                                   | 4                 |
| 1073       | 42.2 | 32190                                            | 7236 | 3300              | 742 | 16095                         | 3618 | 3300              | 742 | 32190                            | 7236 | 3300              | 742 | 13.0                                  | 8.73  | 10.7                               | 7.21  | 11.8                             | 7.93  | 9                                          | 8                                   | 4                 |
| 1149       | 45.2 | 34470                                            | 7749 | 3300              | 742 | 17235                         | 3874 | 3300              | 742 | 34470                            | 7749 | 3300              | 742 | 13.9                                  | 9.34  | 11.5                               | 7.72  | 12.6                             | 8.49  | 9                                          | 8                                   | 4                 |
| 1149       | 45.2 | 34470                                            | 7749 | 3300              | 742 | 17235                         | 3874 | 3300              | 742 | 34470                            | 7749 | 3300              | 742 | 13.9                                  | 9.34  | 11.5                               | 7.72  | 12.6                             | 8.49  | 9                                          | 8                                   | 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)

|      |      |       |       |      |     |       |      |      |     |       |       |      |     |      |       |      |       |      |       |    |    |   |
|------|------|-------|-------|------|-----|-------|------|------|-----|-------|-------|------|-----|------|-------|------|-------|------|-------|----|----|---|
| 1606 | 63.2 | 48180 | 10831 | 3300 | 742 | 24090 | 5415 | 3300 | 742 | 48180 | 10831 | 3300 | 742 | 19.4 | 13.06 | 16.1 | 10.79 | 17.7 | 11.87 | 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)

|      |      |       |       |      |     |       |      |      |     |       |       |      |     |      |       |      |       |      |       |    |    |   |
|------|------|-------|-------|------|-----|-------|------|------|-----|-------|-------|------|-----|------|-------|------|-------|------|-------|----|----|---|
| 1986 | 78.2 | 59580 | 13394 | 3300 | 742 | 29790 | 6697 | 3300 | 742 | 59580 | 13394 | 3300 | 742 | 24.0 | 16.15 | 19.9 | 13.35 | 21.8 | 14.68 | 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 234.0 mm (9.21 in).

Belts up to 234.0 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: 152.0 mm (6.00 in); Return: 304.0 mm (12.00 in).

uni Flex SNB WT R2.3 – PBT pins

| Belt width |      | Permissible tensile force<br>(Belt/pin material) |      |                   |     |                      |      |                   |     |                      |      |                   |     | Belt weight<br>(Belt/pin material) |       |        |       |           |       |                  |                   | *Min No.<br>drive<br>sprocket<br>per shaft | Number of wear<br>strips (Min. No.) |  |
|------------|------|--------------------------------------------------|------|-------------------|-----|----------------------|------|-------------------|-----|----------------------|------|-------------------|-----|------------------------------------|-------|--------|-------|-----------|-------|------------------|-------------------|--------------------------------------------|-------------------------------------|--|
|            |      | POM-D/PBT                                        |      |                   |     | PP/PBT               |      |                   |     | PA6.6/PBT            |      |                   |     | POM-D/PBT                          |       | PP/PBT |       | PA6.6/PBT |       | **Carry<br>(pcs) | **Return<br>(pcs) |                                            |                                     |  |
|            |      | Straight<br>sections                             |      | Curve<br>sections |     | Straight<br>sections |      | Curve<br>sections |     | Straight<br>sections |      | Curve<br>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 |                  |                   |                                            |                                     |  |
| 235        | 9.3  | 7050                                             | 1585 | 1000              | 225 | 3525                 | 792  | 1000              | 225 | 7050                 | 1585 | 1000              | 225 | 1.6                                | 1.09  | 1.1    | 0.76  | 1.4       | 0.92  | 2                | 2                 | 2                                          |                                     |  |
| 311        | 12.2 | 9330                                             | 2097 | 1000              | 225 | 4665                 | 1049 | 1000              | 225 | 9330                 | 2097 | 1000              | 225 | 2.1                                | 1.44  | 1.5    | 1.00  | 1.8       | 1.21  | 3                | 3                 | 2                                          |                                     |  |
| 387        | 15.2 | 11610                                            | 2610 | 1000              | 225 | 5805                 | 1305 | 1000              | 225 | 11610                | 2610 | 1000              | 225 | 2.7                                | 1.79  | 1.9    | 1.25  | 2.2       | 1.51  | 3                | 3                 | 2                                          |                                     |  |
| 463        | 18.2 | 13890                                            | 3122 | 1000              | 225 | 6945                 | 1561 | 1000              | 225 | 13890                | 3122 | 1000              | 225 | 3.2                                | 2.15  | 2.2    | 1.49  | 2.7       | 1.80  | 5                | 4                 | 2                                          |                                     |  |
| 540        | 21.3 | 16200                                            | 3642 | 1000              | 225 | 8100                 | 1821 | 1000              | 225 | 16200                | 3642 | 1000              | 225 | 3.7                                | 2.50  | 2.6    | 1.74  | 3.1       | 2.10  | 5                | 4                 | 2                                          |                                     |  |
| 616        | 24.3 | 18480                                            | 4154 | 1000              | 225 | 9240                 | 2077 | 1000              | 225 | 18480                | 4154 | 1000              | 225 | 4.3                                | 2.86  | 3.0    | 1.99  | 3.6       | 2.40  | 5                | 5                 | 3                                          |                                     |  |
| 692        | 27.2 | 20760                                            | 4667 | 1000              | 225 | 10380                | 2333 | 1000              | 225 | 20760                | 4667 | 1000              | 225 | 4.8                                | 3.21  | 3.3    | 2.23  | 4.0       | 2.70  | 5                | 5                 | 3                                          |                                     |  |
| 768        | 30.2 | 23040                                            | 5179 | 1000              | 225 | 11520                | 2590 | 1000              | 225 | 23040                | 5179 | 1000              | 225 | 5.3                                | 3.56  | 3.7    | 2.48  | 4.5       | 2.99  | 7                | 6                 | 3                                          |                                     |  |
| 844        | 33.2 | 25320                                            | 5692 | 1000              | 225 | 12660                | 2846 | 1000              | 225 | 25320                | 5692 | 1000              | 225 | 5.8                                | 3.91  | 4.1    | 2.72  | 4.9       | 3.29  | 7                | 6                 | 3                                          |                                     |  |
| 920        | 36.2 | 27600                                            | 6204 | 1000              | 225 | 13800                | 3102 | 1000              | 225 | 27600                | 6204 | 1000              | 225 | 6.3                                | 4.27  | 4.4    | 2.97  | 5.3       | 3.59  | 7                | 7                 | 4                                          |                                     |  |
| 996        | 39.2 | 29880                                            | 6717 | 1000              | 225 | 14940                | 3359 | 1000              | 225 | 29880                | 6717 | 1000              | 225 | 6.9                                | 4.62  | 4.8    | 3.21  | 5.8       | 3.88  | 7                | 7                 | 4                                          |                                     |  |
| 1073       | 42.2 | 32190                                            | 7236 | 1000              | 225 | 16095                | 3618 | 1000              | 225 | 32190                | 7236 | 1000              | 225 | 7.4                                | 4.98  | 5.2    | 3.46  | 6.2       | 4.18  | 9                | 8                 | 4                                          |                                     |  |
| 1149       | 45.2 | 34470                                            | 7749 | 1000              | 225 | 17235                | 3874 | 1000              | 225 | 34470                | 7749 | 1000              | 225 | 7.9                                | 5.33  | 5.5    | 3.71  | 6.7       | 4.48  | 9                | 8                 | 4                                          |                                     |  |
| 1225       | 48.2 | 36750                                            | 8261 | 1000              | 225 | 18375                | 4131 | 1000              | 225 | 36750                | 8261 | 1000              | 225 | 8.5                                | 5.68  | 5.9    | 3.95  | 7.1       | 4.77  | 9                | 9                 | 5                                          |                                     |  |

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).

|      |      |       |       |      |     |       |      |      |     |       |       |      |     |      |      |     |      |     |      |    |    |   |
|------|------|-------|-------|------|-----|-------|------|------|-----|-------|-------|------|-----|------|------|-----|------|-----|------|----|----|---|
| 1606 | 63.2 | 48180 | 10831 | 1000 | 225 | 24090 | 5415 | 1000 | 225 | 48180 | 10831 | 1000 | 225 | 11.1 | 7.45 | 7.7 | 5.18 | 9.3 | 6.26 | 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).

|      |      |       |       |      |     |       |      |      |     |       |       |      |     |      |      |     |      |      |      |    |    |   |
|------|------|-------|-------|------|-----|-------|------|------|-----|-------|-------|------|-----|------|------|-----|------|------|------|----|----|---|
| 1986 | 78.2 | 59580 | 13394 | 1000 | 225 | 29790 | 6697 | 1000 | 225 | 59580 | 13394 | 1000 | 225 | 13.7 | 9.21 | 9.5 | 6.41 | 11.5 | 7.74 | 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 234.0 mm (9.21 in).

Belts up to 234.0 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: 152.0 mm (6.00 in); Return: 304.0 mm (12.00 in).

## uni Flex SNB WT R2.3 – SS pins

| Belt width |      | Permissible tensile force<br>(Belt/pin material) |      |                   |     |                               |      |                   |     |                                  |      |                   |     | Belt weight<br>(Belt/pin material)    |       |                                    |       |                                       |       | *Min No.<br>drive<br>sprocket<br>per shaft | Number of wear<br>strips (Min. No.) |                   |
|------------|------|--------------------------------------------------|------|-------------------|-----|-------------------------------|------|-------------------|-----|----------------------------------|------|-------------------|-----|---------------------------------------|-------|------------------------------------|-------|---------------------------------------|-------|--------------------------------------------|-------------------------------------|-------------------|
|            |      | POM-D/SS<br>+Reinforcement links                 |      |                   |     | PP/SS<br>+Reinforcement links |      |                   |     | PA6.6/SS<br>+Reinforcement links |      |                   |     | POM-D/SS+<br>Reinforce-<br>ment links |       | PP/SS+<br>Reinforce-<br>ment links |       | PA6.6/SS+<br>Reinforce-<br>ment links |       |                                            | **Carry<br>(pcs)                    | **Return<br>(pcs) |
|            |      | Straight<br>sections                             |      | Curve<br>sections |     | Straight<br>sections          |      | Curve<br>sections |     | Straight<br>sections             |      | Curve<br>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 |                                            |                                     |                   |
| 235        | 9.3  | 7050                                             | 1585 | 3300              | 742 | 3525                          | 792  | 3300              | 742 | 7050                             | 1585 | 3300              | 742 | 2.8                                   | 1.91  | 2.4                                | 1.58  | 2.6                                   | 1.74  | 2                                          | 2                                   | 2                 |
| 311        | 12.2 | 9330                                             | 2097 | 3300              | 742 | 4665                          | 1049 | 3300              | 742 | 9330                             | 2097 | 3300              | 742 | 3.8                                   | 2.53  | 3.1                                | 2.09  | 3.4                                   | 2.30  | 3                                          | 3                                   | 2                 |
| 387        | 15.2 | 11610                                            | 2610 | 3300              | 742 | 5805                          | 1305 | 3300              | 742 | 11610                            | 2610 | 3300              | 742 | 4.7                                   | 3.15  | 3.9                                | 2.60  | 4.3                                   | 2.86  | 3                                          | 3                                   | 2                 |
| 463        | 18.2 | 13890                                            | 3122 | 3300              | 742 | 6945                          | 1561 | 3300              | 742 | 13890                            | 3122 | 3300              | 742 | 5.6                                   | 3.77  | 4.6                                | 3.11  | 5.1                                   | 3.42  | 5                                          | 4                                   | 2                 |
| 540        | 21.3 | 16200                                            | 3642 | 3300              | 742 | 8100                          | 1821 | 3300              | 742 | 16200                            | 3642 | 3300              | 742 | 6.5                                   | 4.39  | 5.4                                | 3.63  | 5.9                                   | 3.99  | 5                                          | 4                                   | 2                 |
| 616        | 24.3 | 18480                                            | 4154 | 3300              | 742 | 9240                          | 2077 | 3300              | 742 | 18480                            | 4154 | 3300              | 742 | 7.5                                   | 5.01  | 6.2                                | 4.14  | 6.8                                   | 4.55  | 5                                          | 5                                   | 3                 |
| 692        | 27.2 | 20760                                            | 4667 | 3300              | 742 | 10380                         | 2333 | 3300              | 742 | 20760                            | 4667 | 3300              | 742 | 8.4                                   | 5.63  | 6.9                                | 4.65  | 7.6                                   | 5.12  | 5                                          | 5                                   | 3                 |
| 768        | 30.2 | 23040                                            | 5179 | 3300              | 742 | 11520                         | 2590 | 3300              | 742 | 23040                            | 5179 | 3300              | 742 | 9.3                                   | 6.25  | 7.7                                | 5.16  | 8.4                                   | 5.68  | 7                                          | 6                                   | 3                 |
| 844        | 33.2 | 25320                                            | 5692 | 3300              | 742 | 12660                         | 2846 | 3300              | 742 | 25320                            | 5692 | 3300              | 742 | 10.2                                  | 6.86  | 8.4                                | 5.67  | 9.3                                   | 6.24  | 7                                          | 6                                   | 3                 |
| 920        | 36.2 | 27600                                            | 6204 | 3300              | 742 | 13800                         | 3102 | 3300              | 742 | 27600                            | 6204 | 3300              | 742 | 11.1                                  | 7.48  | 9.2                                | 6.18  | 10.1                                  | 6.80  | 7                                          | 7                                   | 4                 |
| 996        | 39.2 | 29880                                            | 6717 | 3300              | 742 | 14940                         | 3359 | 3300              | 742 | 29880                            | 6717 | 3300              | 742 | 12.1                                  | 8.10  | 10.0                               | 6.69  | 11.0                                  | 7.36  | 7                                          | 7                                   | 4                 |
| 1073       | 42.2 | 32190                                            | 7236 | 3300              | 742 | 16095                         | 3618 | 3300              | 742 | 32190                            | 7236 | 3300              | 742 | 13.0                                  | 8.73  | 10.7                               | 7.21  | 11.8                                  | 7.93  | 9                                          | 8                                   | 4                 |
| 1149       | 45.2 | 34470                                            | 7749 | 3300              | 742 | 17235                         | 3874 | 3300              | 742 | 34470                            | 7749 | 3300              | 742 | 13.9                                  | 9.34  | 11.5                               | 7.72  | 12.6                                  | 8.49  | 9                                          | 8                                   | 4                 |
| 1225       | 48.2 | 36750                                            | 8261 | 3300              | 742 | 18375                         | 4131 | 3300              | 742 | 36750                            | 8261 | 3300              | 742 | 14.8                                  | 9.96  | 12.3                               | 8.23  | 13.5                                  | 9.06  | 9                                          | 9                                   | 5                 |

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).

|      |      |       |       |      |     |       |      |      |     |       |       |      |     |      |       |      |       |      |       |    |    |   |
|------|------|-------|-------|------|-----|-------|------|------|-----|-------|-------|------|-----|------|-------|------|-------|------|-------|----|----|---|
| 1606 | 63.2 | 48180 | 10831 | 3300 | 742 | 24090 | 5415 | 3300 | 742 | 48180 | 10831 | 3300 | 742 | 19.4 | 13.06 | 16.1 | 10.79 | 17.7 | 11.87 | 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).

|      |      |       |       |      |     |       |      |      |     |       |       |      |     |      |       |      |       |      |       |    |    |   |
|------|------|-------|-------|------|-----|-------|------|------|-----|-------|-------|------|-----|------|-------|------|-------|------|-------|----|----|---|
| 1986 | 78.2 | 59580 | 13394 | 3300 | 742 | 29790 | 6697 | 3300 | 742 | 59580 | 13394 | 3300 | 742 | 24.0 | 16.15 | 19.9 | 13.35 | 21.8 | 14.68 | 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.

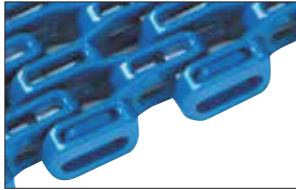
Outer modules are always in PA6.6 on belts wider than 234.0 mm (9.21 in).

Belts up to 234.0 mm (9.21 in) in width is only available in PA6.6.

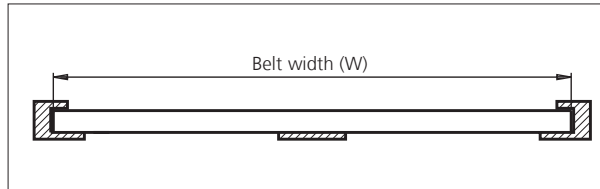
\*Max. Load per Drive Sprocket. Belt material: POM-D 1000 N (225 lbf). PP 850 N (191 lbf). PA6.6 1000 N (225 lbf).

\*\*Max. Spacing between wear strips. Carry: 152.0 mm (6 in); Return: 304.0 mm (12 in).

## Belt Tracking og Control Systems



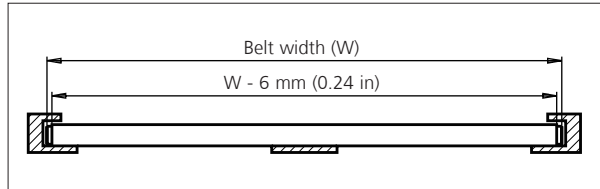
**uni Flex SNB L R2.3**  
Standard



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.



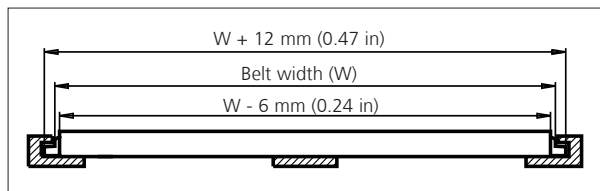
**Wearpart**



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.



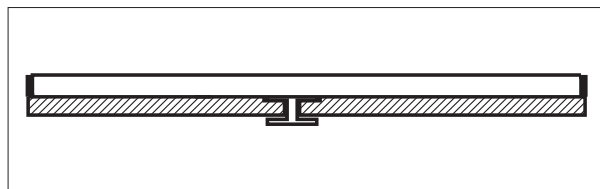
**O-Tab**



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).



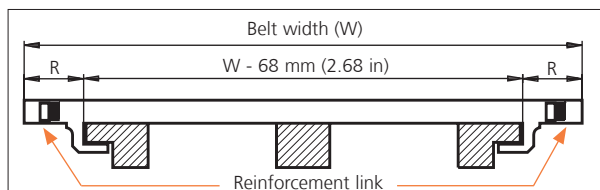
**I-Tab**



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).



**S-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).

| 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).

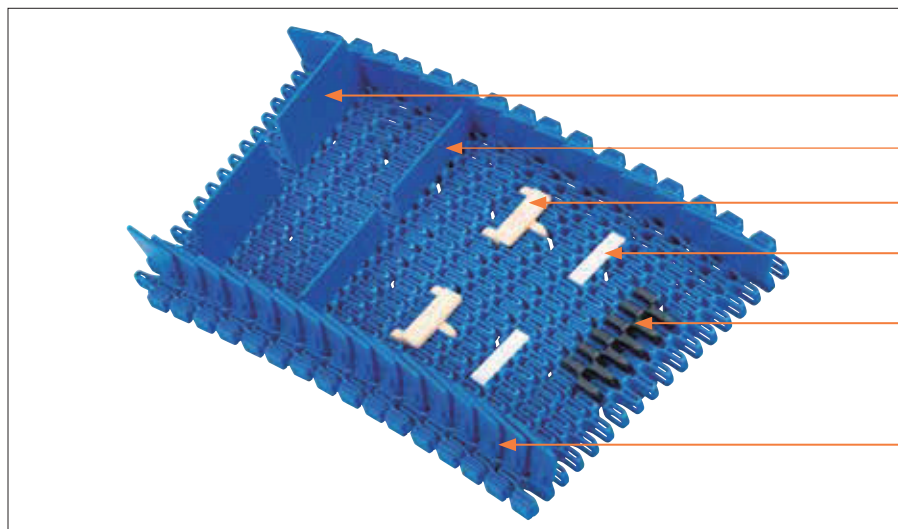
When using square shafts, please verify that the diagonal does not exceed max. diameter.

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

✓ *Standard* + *Optional*

- *Unavailable*

## Accessories



- Click on Flight 50.8 mm (2.00 in)
- Click on Flight 25.4 mm (1.00 in)
- Rubber Support: Made-To-Order
- Click on Flight Low: Made-To-Order
- Rubber Top
- Side Guard

## Accessories

### Side Guard / Standard

| Type       | Belt material & color                                                                                                                                             | Height |      |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|------|
|            |                                                                                                                                                                   | mm     | in   |
| Side Guard | PP-I <span style="background-color: #0056b3; color: white; padding: 0 2px;">B</span> <span style="background-color: white; color: black; padding: 0 2px;"></span> | 30.0   | 1.18 |

## Accessories

### Flight / Standard

| Type                 | Belt material & color                                                                                                                                              | Link size | Height |      | Width |      |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|--------|------|-------|------|
|                      |                                                                                                                                                                    |           | mm     | in   | mm    | in   |
| Click on Flight Flat | PA6.6 <span style="background-color: #0056b3; color: white; padding: 0 2px;">B</span> <span style="background-color: white; color: black; padding: 0 2px;"></span> | K300      | 25.4   | 1.00 | 75.9  | 2.99 |
|                      | PP <span style="background-color: #0056b3; color: white; padding: 0 2px;">B</span> <span style="background-color: white; color: black; padding: 0 2px;"></span>    |           | 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 <span style="background-color: #ffff00; border: 1px solid black; padding: 0 2px;">N</span>    | 4.0 | 0.16 | 43.0  | 1.69 | 14.0   | 0.55 |
| Click on Flight Low | POM-D <span style="background-color: #ffff00; border: 1px solid black; padding: 0 2px;">N</span> | 4.0 | 0.16 | 42.0  | 1.65 | 10.5   | 0.41 |

## Accessories

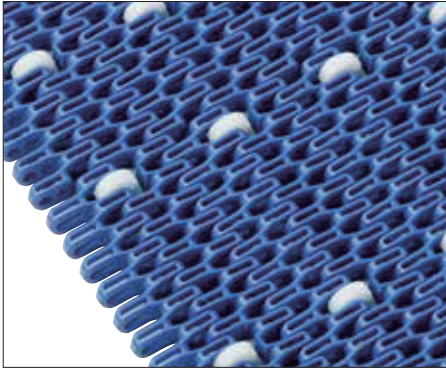
### Minimum Indents (I)

| 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 |

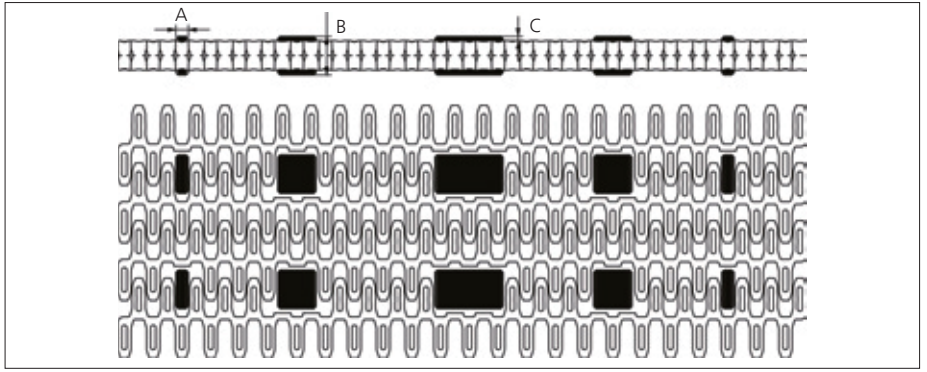
\* Even distance between Click on Flight rows

\*\* Odd distance between Click on Flight rows

## Made-To-Order Selection



**uni Flex SNB with Rollers**  
 $\varnothing 17 \times 5.5 \text{ mm}$  ( $\varnothing 0.67 \times 0.22 \text{ in}$ )



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

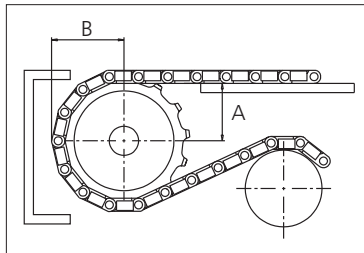
| Type    | Roller material & color                                                                 | A    |      | B    |      | C   |      |
|---------|-----------------------------------------------------------------------------------------|------|------|------|------|-----|------|
|         |                                                                                         | mm   | in   | mm   | in   | mm  | in   |
| Plastic | POM-D  | 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 |  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   |             |      |                    |                    |                                                                                         |                                                                                         |  |
| 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).

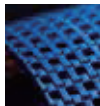
Max. load per sprocket shown does not take bore size into account.  
 Please also ensure that sufficient size shaft is chosen for corresponding load.  
 For correct sprocket position: See uni Assembly Instructions for uni Flex ASB.  
 For more detailed sprocket information, contact Customer Service.



Conveyor Belts



Seamless Belts



Modular Belts



Timing Belts



Transmission Belts

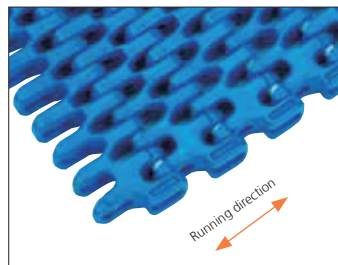


Fabrication & service

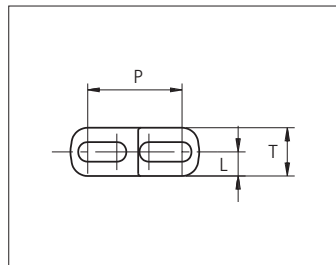
Expert advice, quality solutions and local service for all your belting needs  
[www.unichains.com](http://www.unichains.com)

# Plastic Modular Belt

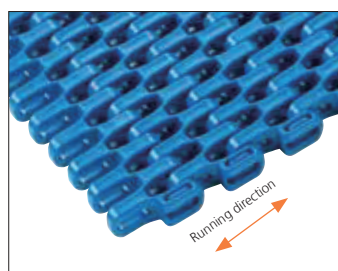
Series **uni Flex SNB**



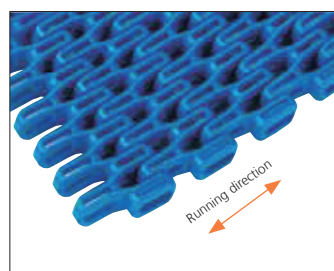
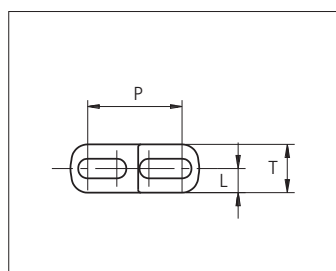
**uni Flex SNB CR R1.6**  
Surface Opening: 47%



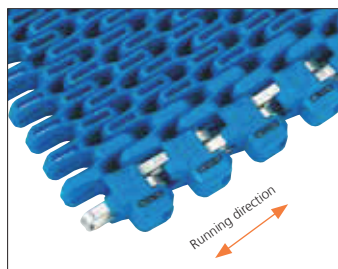
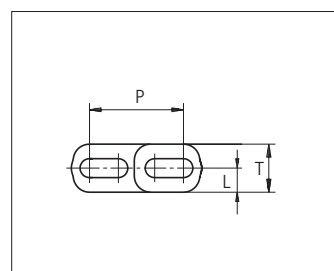
Sideflexing belt  
Nominal pitch: 25.4 mm (1.00 in)  
Surface type: Flat  
Surface opening: 47%/55%  
Backflex radius: 25.0 mm (0.98 in)  
Pin diameter: 5.0 mm (0.20 in)  
Min. inside radius: R1.6 x belt width. R2.3 x belt width



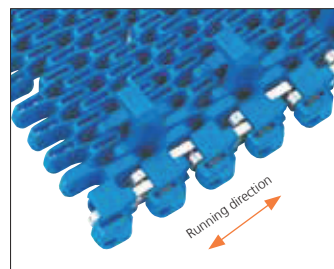
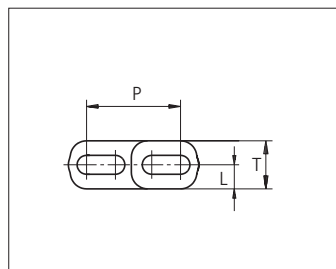
**uni Flex SNB C R2.3**  
Surface Opening: 47%



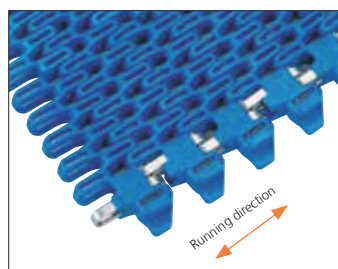
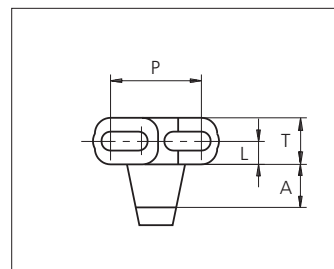
**uni Flex SNB L R2.3**  
Surface Opening: 55%



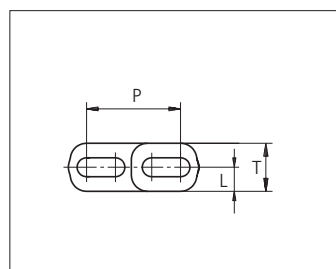
**uni Flex SNB W R2.3**  
Surface Opening: 55%



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



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

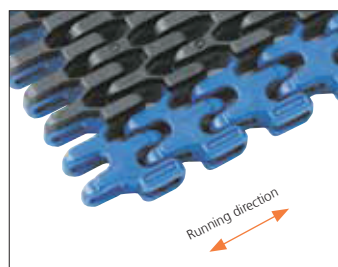


|                       | mm   | in   |          | mm   | in   |
|-----------------------|------|------|----------|------|------|
| <b>P</b><br>(Nominal) | 25.4 | 1.00 | <b>L</b> | 6.5  | 0.26 |
| <b>A</b>              | 12.0 | 0.47 | <b>T</b> | 13.0 | 0.51 |

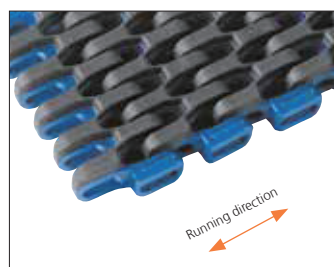
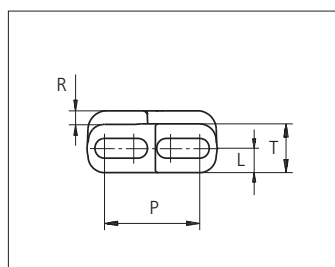
STANDARD

SIDE FLEXING

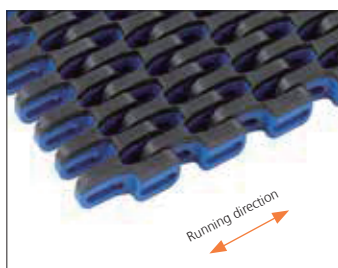
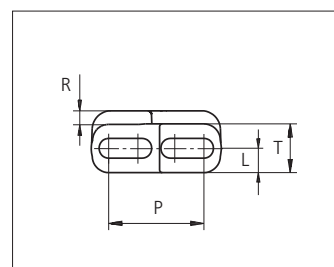
PITCH 25.4 MM/1.00 IN



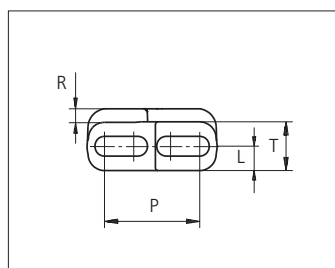
**uni Flex SNB CR Rubber Top R1.6**  
Surface Opening: 47%



**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   |
|--------------------|------|------|----------|------|------|
| <b>P (Nominal)</b> | 25.4 | 1.00 | <b>R</b> | 3.0  | 0.12 |
| <b>L</b>           | 6.5  | 0.26 | <b>T</b> | 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                                                                                                                                                                                                                                                                                                                                              |
|---------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>uni Flex SNB CR R1.6</b><br><b>uni Flex SNB C R2.3</b><br><b>uni Flex SNB L R2.3*</b>                                  | POM-D                                                                                          |  PBT                                                                                                                                                                                            |
|                                                                                                                           | PP                                                                                            |                                                                                                                                                                                                                                                                                                                                                                       |
|                                                                                                                           | PA6.6                                                                                        |                                                                                                                                                                                                                                                                                                                                                                       |
| <b>uni Flex SNB C R2.3</b>                                                                                                | POM-D                                                                                        |  SS304<br> SS304<br> PBT  |
| <b>uni Flex SNB W</b><br><b>uni Flex SNB WO</b>                                                                           | PA6.6                                                                                        |                                                                                                                                                                                                                                                                                                                                                                       |
| <b>uni Flex SNB WT</b>                                                                                                    | PA6.6                                                                                        |                                                                                                                                                                                                                                                                                                                                                                       |
| <b>uni Flex SNB CR Rubber Top R1.6</b><br><b>uni Flex SNB CI Rubber Top R2.3</b><br><b>uni Flex SNB C Rubber Top R2.3</b> | PP  + 03  |  PBT                                                                                                                                                                                            |
|                                                                                                                           | PP  + 03  |                                                                                                                                                                                                                                                                                                                                                                       |

#### Standard materials and colors

Lockingplates PP    
Wearpart and O-Tab PA6.6  

For high speed or load abrasive applications:

Wearpart and O-Tab POM-DK 

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

Alternative pin materials:  PA6.6  

## uni Flex SNB CR R1.6

| Belt width |      | Permissible tensile force<br>(Belt/pin material) |      |                   |     |                      |      |                   |     |                      |      |                   |     | Belt weight<br>(Belt/pin material) |       |        |       |           |       | *Min No.<br>drive<br>sprocket<br>per shaft | Number of wear<br>strips (Min. No.) |                   |
|------------|------|--------------------------------------------------|------|-------------------|-----|----------------------|------|-------------------|-----|----------------------|------|-------------------|-----|------------------------------------|-------|--------|-------|-----------|-------|--------------------------------------------|-------------------------------------|-------------------|
|            |      | POM-D/PBT                                        |      |                   |     | PP/PBT               |      |                   |     | PA6.6/PBT            |      |                   |     | POM-D<br>/PBT                      |       | PP/PBT |       | PA6.6/PBT |       |                                            | **Carry<br>(pcs)                    | **Return<br>(pcs) |
|            |      | Straight<br>sections                             |      | Curve<br>sections |     | Straight<br>sections |      | Curve<br>sections |     | Straight<br>sections |      | Curve<br>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 |                                            |                                     |                   |
| 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: 152.0 mm (6.00 in); Return: 304.0 mm (12.00 in).

## uni Flex SNB C R2.3 / uni Flex SNB L R2.3

| Belt width |      | Permissible tensile force<br>(Belt/pin material) |      |                   |     |                      |      |                   |     |                      |      |                   |     | Belt weight<br>(Belt/pin material) |       |        |       |           |       | *Min No.<br>drive<br>sprocket<br>per shaft | Number of wear<br>strips (Min. No.) |                   |
|------------|------|--------------------------------------------------|------|-------------------|-----|----------------------|------|-------------------|-----|----------------------|------|-------------------|-----|------------------------------------|-------|--------|-------|-----------|-------|--------------------------------------------|-------------------------------------|-------------------|
|            |      | POM-D/PBT                                        |      |                   |     | PP/PBT               |      |                   |     | PA6.6/PBT            |      |                   |     |                                    |       | PP/PBT |       | PA6.6/PBT |       |                                            | **Carry<br>(pcs)                    | **Return<br>(pcs) |
|            |      | Straight<br>sections                             |      | Curve<br>sections |     | Straight<br>sections |      | Curve<br>sections |     | Straight<br>sections |      | Curve<br>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 |                                            |                                     |                   |
| 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: 152.0 mm (6.00 in); Return: 304.0 mm (12.00 in)

uni Flex SNB W R2.3 / uni Flex SNB WO R2.3

| Belt width |      | Permissible tensile force<br>(Belt/pin material) |      |                   |     |                               |      |                   |     |                                  |      |                   |     | Belt weight<br>(Belt/pin material)    |       |                                    |       |                                  |       | *Min No.<br>drive<br>sprocket<br>per shaft | Number of wear<br>strips (Min. No.) |                   |
|------------|------|--------------------------------------------------|------|-------------------|-----|-------------------------------|------|-------------------|-----|----------------------------------|------|-------------------|-----|---------------------------------------|-------|------------------------------------|-------|----------------------------------|-------|--------------------------------------------|-------------------------------------|-------------------|
|            |      | POM-D/SS+<br>Reinforcement links                 |      |                   |     | PP/SS+<br>Reinforcement links |      |                   |     | PA6.6/SS+<br>Reinforcement links |      |                   |     | POM-D/SS+<br>Reinforce-<br>ment links |       | PP/SS+<br>Reinforce-<br>ment links |       | PA6.6/SS+<br>Reinforcement links |       |                                            | **Carry<br>(pcs)                    | **Return<br>(pcs) |
|            |      | Straight<br>sections                             |      | Curve<br>sections |     | Straight<br>sections          |      | Curve<br>sections |     | Straight<br>sections             |      | Curve<br>sections |     | kg/m lb/ft                            |       | kg/m lb/ft                         |       | kg/m lb/ft                       |       |                                            |                                     |                   |
| 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 |                                            |                                     |                   |
| 235        | 9.3  | 7050                                             | 1585 | 3300              | 742 | 3525                          | 792  | 3300              | 742 | 7050                             | 1585 | 3300              | 742 | 2.8                                   | 1.91  | 2.4                                | 1.58  | 2.6                              | 1.74  | 2                                          | 2                                   | 2                 |
| 311        | 12.2 | 9330                                             | 2097 | 3300              | 742 | 4665                          | 1049 | 3300              | 742 | 9330                             | 2097 | 3300              | 742 | 3.8                                   | 2.53  | 3.1                                | 2.09  | 3.4                              | 2.30  | 3                                          | 3                                   | 2                 |
| 387        | 15.2 | 11610                                            | 2610 | 3300              | 742 | 5805                          | 1305 | 3300              | 742 | 11610                            | 2610 | 3300              | 742 | 4.7                                   | 3.15  | 3.9                                | 2.60  | 4.3                              | 2.86  | 3                                          | 3                                   | 2                 |
| 463        | 18.2 | 13890                                            | 3122 | 3300              | 742 | 6945                          | 1561 | 3300              | 742 | 13890                            | 3122 | 3300              | 742 | 5.6                                   | 3.77  | 4.6                                | 3.11  | 5.1                              | 3.42  | 5                                          | 4                                   | 2                 |
| 540        | 21.3 | 16200                                            | 3642 | 3300              | 742 | 8100                          | 1821 | 3300              | 742 | 16200                            | 3642 | 3300              | 742 | 6.5                                   | 4.39  | 5.4                                | 3.63  | 5.9                              | 3.99  | 5                                          | 4                                   | 2                 |
| 616        | 24.3 | 18480                                            | 4154 | 3300              | 742 | 9240                          | 2077 | 3300              | 742 | 18480                            | 4154 | 3300              | 742 | 7.5                                   | 5.01  | 6.2                                | 4.14  | 6.8                              | 4.55  | 5                                          | 5                                   | 3                 |
| 692        | 27.2 | 20760                                            | 4667 | 3300              | 742 | 10380                         | 2333 | 3300              | 742 | 20760                            | 4667 | 3300              | 742 | 8.4                                   | 5.63  | 6.9                                | 4.65  | 7.6                              | 5.12  | 5                                          | 5                                   | 3                 |
| 768        | 30.2 | 23040                                            | 5179 | 3300              | 742 | 11520                         | 2590 | 3300              | 742 | 23040                            | 5179 | 3300              | 742 | 9.3                                   | 6.25  | 7.7                                | 5.16  | 8.4                              | 5.68  | 7                                          | 6                                   | 3                 |
| 844        | 33.2 | 25320                                            | 5692 | 3300              | 742 | 12660                         | 2846 | 3300              | 742 | 25320                            | 5692 | 3300              | 742 | 10.2                                  | 6.86  | 8.4                                | 5.67  | 9.3                              | 6.24  | 7                                          | 6                                   | 3                 |
| 920        | 36.2 | 27600                                            | 6204 | 3300              | 742 | 13800                         | 3102 | 3300              | 742 | 27600                            | 6204 | 3300              | 742 | 11.1                                  | 7.48  | 9.2                                | 6.18  | 10.1                             | 6.80  | 7                                          | 7                                   | 4                 |
| 996        | 39.2 | 29880                                            | 6717 | 3300              | 742 | 14940                         | 3359 | 3300              | 742 | 29880                            | 6717 | 3300              | 742 | 12.1                                  | 8.10  | 10.0                               | 6.69  | 11.0                             | 7.36  | 7                                          | 7                                   | 4                 |
| 1073       | 42.2 | 32190                                            | 7236 | 3300              | 742 | 16095                         | 3618 | 3300              | 742 | 32190                            | 7236 | 3300              | 742 | 13.0                                  | 8.73  | 10.7                               | 7.21  | 11.8                             | 7.93  | 9                                          | 8                                   | 4                 |
| 1149       | 45.2 | 34470                                            | 7749 | 3300              | 742 | 17235                         | 3874 | 3300              | 742 | 34470                            | 7749 | 3300              | 742 | 13.9                                  | 9.34  | 11.5                               | 7.72  | 12.6                             | 8.49  | 9                                          | 8                                   | 4                 |
| 1149       | 45.2 | 34470                                            | 7749 | 3300              | 742 | 17235                         | 3874 | 3300              | 742 | 34470                            | 7749 | 3300              | 742 | 13.9                                  | 9.34  | 11.5                               | 7.72  | 12.6                             | 8.49  | 9                                          | 8                                   | 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)

|      |      |       |       |      |     |       |      |      |     |       |       |      |     |      |       |      |       |      |       |    |    |   |
|------|------|-------|-------|------|-----|-------|------|------|-----|-------|-------|------|-----|------|-------|------|-------|------|-------|----|----|---|
| 1606 | 63.2 | 48180 | 10831 | 3300 | 742 | 24090 | 5415 | 3300 | 742 | 48180 | 10831 | 3300 | 742 | 19.4 | 13.06 | 16.1 | 10.79 | 17.7 | 11.87 | 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)

|      |      |       |       |      |     |       |      |      |     |       |       |      |     |      |       |      |       |      |       |    |    |   |
|------|------|-------|-------|------|-----|-------|------|------|-----|-------|-------|------|-----|------|-------|------|-------|------|-------|----|----|---|
| 1986 | 78.2 | 59580 | 13394 | 3300 | 742 | 29790 | 6697 | 3300 | 742 | 59580 | 13394 | 3300 | 742 | 24.0 | 16.15 | 19.9 | 13.35 | 21.8 | 14.68 | 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 234.0 mm (9.21 in).

Belts up to 234.0 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: 152.0 mm (6.00 in); Return: 304.0 mm (12.00 in).

uni Flex SNB WT R2.3 – PBT pins

| Belt width |      | Permissible tensile force<br>(Belt/pin material) |      |                   |     |                      |      |                   |     |                      |      |                   |     | Belt weight<br>(Belt/pin material) |       |        |       |           |       |                  |                   | *Min No.<br>drive<br>sprocket<br>per shaft | Number of wear<br>strips (Min. No.) |  |
|------------|------|--------------------------------------------------|------|-------------------|-----|----------------------|------|-------------------|-----|----------------------|------|-------------------|-----|------------------------------------|-------|--------|-------|-----------|-------|------------------|-------------------|--------------------------------------------|-------------------------------------|--|
|            |      | POM-D/PBT                                        |      |                   |     | PP/PBT               |      |                   |     | PA6.6/PBT            |      |                   |     | POM-D/PBT                          |       | PP/PBT |       | PA6.6/PBT |       | **Carry<br>(pcs) | **Return<br>(pcs) |                                            |                                     |  |
|            |      | Straight<br>sections                             |      | Curve<br>sections |     | Straight<br>sections |      | Curve<br>sections |     | Straight<br>sections |      | Curve<br>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 |                  |                   |                                            |                                     |  |
| 235        | 9.3  | 7050                                             | 1585 | 1000              | 225 | 3525                 | 792  | 1000              | 225 | 7050                 | 1585 | 1000              | 225 | 1.6                                | 1.09  | 1.1    | 0.76  | 1.4       | 0.92  | 2                | 2                 | 2                                          |                                     |  |
| 311        | 12.2 | 9330                                             | 2097 | 1000              | 225 | 4665                 | 1049 | 1000              | 225 | 9330                 | 2097 | 1000              | 225 | 2.1                                | 1.44  | 1.5    | 1.00  | 1.8       | 1.21  | 3                | 3                 | 2                                          |                                     |  |
| 387        | 15.2 | 11610                                            | 2610 | 1000              | 225 | 5805                 | 1305 | 1000              | 225 | 11610                | 2610 | 1000              | 225 | 2.7                                | 1.79  | 1.9    | 1.25  | 2.2       | 1.51  | 3                | 3                 | 2                                          |                                     |  |
| 463        | 18.2 | 13890                                            | 3122 | 1000              | 225 | 6945                 | 1561 | 1000              | 225 | 13890                | 3122 | 1000              | 225 | 3.2                                | 2.15  | 2.2    | 1.49  | 2.7       | 1.80  | 5                | 4                 | 2                                          |                                     |  |
| 540        | 21.3 | 16200                                            | 3642 | 1000              | 225 | 8100                 | 1821 | 1000              | 225 | 16200                | 3642 | 1000              | 225 | 3.7                                | 2.50  | 2.6    | 1.74  | 3.1       | 2.10  | 5                | 4                 | 2                                          |                                     |  |
| 616        | 24.3 | 18480                                            | 4154 | 1000              | 225 | 9240                 | 2077 | 1000              | 225 | 18480                | 4154 | 1000              | 225 | 4.3                                | 2.86  | 3.0    | 1.99  | 3.6       | 2.40  | 5                | 5                 | 3                                          |                                     |  |
| 692        | 27.2 | 20760                                            | 4667 | 1000              | 225 | 10380                | 2333 | 1000              | 225 | 20760                | 4667 | 1000              | 225 | 4.8                                | 3.21  | 3.3    | 2.23  | 4.0       | 2.70  | 5                | 5                 | 3                                          |                                     |  |
| 768        | 30.2 | 23040                                            | 5179 | 1000              | 225 | 11520                | 2590 | 1000              | 225 | 23040                | 5179 | 1000              | 225 | 5.3                                | 3.56  | 3.7    | 2.48  | 4.5       | 2.99  | 7                | 6                 | 3                                          |                                     |  |
| 844        | 33.2 | 25320                                            | 5692 | 1000              | 225 | 12660                | 2846 | 1000              | 225 | 25320                | 5692 | 1000              | 225 | 5.8                                | 3.91  | 4.1    | 2.72  | 4.9       | 3.29  | 7                | 6                 | 3                                          |                                     |  |
| 920        | 36.2 | 27600                                            | 6204 | 1000              | 225 | 13800                | 3102 | 1000              | 225 | 27600                | 6204 | 1000              | 225 | 6.3                                | 4.27  | 4.4    | 2.97  | 5.3       | 3.59  | 7                | 7                 | 4                                          |                                     |  |
| 996        | 39.2 | 29880                                            | 6717 | 1000              | 225 | 14940                | 3359 | 1000              | 225 | 29880                | 6717 | 1000              | 225 | 6.9                                | 4.62  | 4.8    | 3.21  | 5.8       | 3.88  | 7                | 7                 | 4                                          |                                     |  |
| 1073       | 42.2 | 32190                                            | 7236 | 1000              | 225 | 16095                | 3618 | 1000              | 225 | 32190                | 7236 | 1000              | 225 | 7.4                                | 4.98  | 5.2    | 3.46  | 6.2       | 4.18  | 9                | 8                 | 4                                          |                                     |  |
| 1149       | 45.2 | 34470                                            | 7749 | 1000              | 225 | 17235                | 3874 | 1000              | 225 | 34470                | 7749 | 1000              | 225 | 7.9                                | 5.33  | 5.5    | 3.71  | 6.7       | 4.48  | 9                | 8                 | 4                                          |                                     |  |
| 1225       | 48.2 | 36750                                            | 8261 | 1000              | 225 | 18375                | 4131 | 1000              | 225 | 36750                | 8261 | 1000              | 225 | 8.5                                | 5.68  | 5.9    | 3.95  | 7.1       | 4.77  | 9                | 9                 | 5                                          |                                     |  |

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).

|      |      |       |       |      |     |       |      |      |     |       |       |      |     |      |      |     |      |     |      |    |    |   |
|------|------|-------|-------|------|-----|-------|------|------|-----|-------|-------|------|-----|------|------|-----|------|-----|------|----|----|---|
| 1606 | 63.2 | 48180 | 10831 | 1000 | 225 | 24090 | 5415 | 1000 | 225 | 48180 | 10831 | 1000 | 225 | 11.1 | 7.45 | 7.7 | 5.18 | 9.3 | 6.26 | 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).

|      |      |       |       |      |     |       |      |      |     |       |       |      |     |      |      |     |      |      |      |    |    |   |
|------|------|-------|-------|------|-----|-------|------|------|-----|-------|-------|------|-----|------|------|-----|------|------|------|----|----|---|
| 1986 | 78.2 | 59580 | 13394 | 1000 | 225 | 29790 | 6697 | 1000 | 225 | 59580 | 13394 | 1000 | 225 | 13.7 | 9.21 | 9.5 | 6.41 | 11.5 | 7.74 | 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 234.0 mm (9.21 in).

Belts up to 234.0 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: 152.0 mm (6.00 in); Return: 304.0 mm (12.00 in).

## uni Flex SNB WT R2.3 – SS pins

| Belt width |      | Permissible tensile force<br>(Belt/pin material) |      |                   |     |                               |      |                   |     |                                  |      |                   |     | Belt weight<br>(Belt/pin material)    |       |                                    |       |                                       |       | *Min No.<br>drive<br>sprocket<br>per shaft | Number of wear<br>strips (Min. No.) |                   |
|------------|------|--------------------------------------------------|------|-------------------|-----|-------------------------------|------|-------------------|-----|----------------------------------|------|-------------------|-----|---------------------------------------|-------|------------------------------------|-------|---------------------------------------|-------|--------------------------------------------|-------------------------------------|-------------------|
|            |      | POM-D/SS<br>+Reinforcement links                 |      |                   |     | PP/SS<br>+Reinforcement links |      |                   |     | PA6.6/SS<br>+Reinforcement links |      |                   |     | POM-D/SS+<br>Reinforce-<br>ment links |       | PP/SS+<br>Reinforce-<br>ment links |       | PA6.6/SS+<br>Reinforce-<br>ment links |       |                                            | **Carry<br>(pcs)                    | **Return<br>(pcs) |
|            |      | Straight<br>sections                             |      | Curve<br>sections |     | Straight<br>sections          |      | Curve<br>sections |     | Straight<br>sections             |      | Curve<br>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 |                                            |                                     |                   |
| 235        | 9.3  | 7050                                             | 1585 | 3300              | 742 | 3525                          | 792  | 3300              | 742 | 7050                             | 1585 | 3300              | 742 | 2.8                                   | 1.91  | 2.4                                | 1.58  | 2.6                                   | 1.74  | 2                                          | 2                                   | 2                 |
| 311        | 12.2 | 9330                                             | 2097 | 3300              | 742 | 4665                          | 1049 | 3300              | 742 | 9330                             | 2097 | 3300              | 742 | 3.8                                   | 2.53  | 3.1                                | 2.09  | 3.4                                   | 2.30  | 3                                          | 3                                   | 2                 |
| 387        | 15.2 | 11610                                            | 2610 | 3300              | 742 | 5805                          | 1305 | 3300              | 742 | 11610                            | 2610 | 3300              | 742 | 4.7                                   | 3.15  | 3.9                                | 2.60  | 4.3                                   | 2.86  | 3                                          | 3                                   | 2                 |
| 463        | 18.2 | 13890                                            | 3122 | 3300              | 742 | 6945                          | 1561 | 3300              | 742 | 13890                            | 3122 | 3300              | 742 | 5.6                                   | 3.77  | 4.6                                | 3.11  | 5.1                                   | 3.42  | 5                                          | 4                                   | 2                 |
| 540        | 21.3 | 16200                                            | 3642 | 3300              | 742 | 8100                          | 1821 | 3300              | 742 | 16200                            | 3642 | 3300              | 742 | 6.5                                   | 4.39  | 5.4                                | 3.63  | 5.9                                   | 3.99  | 5                                          | 4                                   | 2                 |
| 616        | 24.3 | 18480                                            | 4154 | 3300              | 742 | 9240                          | 2077 | 3300              | 742 | 18480                            | 4154 | 3300              | 742 | 7.5                                   | 5.01  | 6.2                                | 4.14  | 6.8                                   | 4.55  | 5                                          | 5                                   | 3                 |
| 692        | 27.2 | 20760                                            | 4667 | 3300              | 742 | 10380                         | 2333 | 3300              | 742 | 20760                            | 4667 | 3300              | 742 | 8.4                                   | 5.63  | 6.9                                | 4.65  | 7.6                                   | 5.12  | 5                                          | 5                                   | 3                 |
| 768        | 30.2 | 23040                                            | 5179 | 3300              | 742 | 11520                         | 2590 | 3300              | 742 | 23040                            | 5179 | 3300              | 742 | 9.3                                   | 6.25  | 7.7                                | 5.16  | 8.4                                   | 5.68  | 7                                          | 6                                   | 3                 |
| 844        | 33.2 | 25320                                            | 5692 | 3300              | 742 | 12660                         | 2846 | 3300              | 742 | 25320                            | 5692 | 3300              | 742 | 10.2                                  | 6.86  | 8.4                                | 5.67  | 9.3                                   | 6.24  | 7                                          | 6                                   | 3                 |
| 920        | 36.2 | 27600                                            | 6204 | 3300              | 742 | 13800                         | 3102 | 3300              | 742 | 27600                            | 6204 | 3300              | 742 | 11.1                                  | 7.48  | 9.2                                | 6.18  | 10.1                                  | 6.80  | 7                                          | 7                                   | 4                 |
| 996        | 39.2 | 29880                                            | 6717 | 3300              | 742 | 14940                         | 3359 | 3300              | 742 | 29880                            | 6717 | 3300              | 742 | 12.1                                  | 8.10  | 10.0                               | 6.69  | 11.0                                  | 7.36  | 7                                          | 7                                   | 4                 |
| 1073       | 42.2 | 32190                                            | 7236 | 3300              | 742 | 16095                         | 3618 | 3300              | 742 | 32190                            | 7236 | 3300              | 742 | 13.0                                  | 8.73  | 10.7                               | 7.21  | 11.8                                  | 7.93  | 9                                          | 8                                   | 4                 |
| 1149       | 45.2 | 34470                                            | 7749 | 3300              | 742 | 17235                         | 3874 | 3300              | 742 | 34470                            | 7749 | 3300              | 742 | 13.9                                  | 9.34  | 11.5                               | 7.72  | 12.6                                  | 8.49  | 9                                          | 8                                   | 4                 |
| 1225       | 48.2 | 36750                                            | 8261 | 3300              | 742 | 18375                         | 4131 | 3300              | 742 | 36750                            | 8261 | 3300              | 742 | 14.8                                  | 9.96  | 12.3                               | 8.23  | 13.5                                  | 9.06  | 9                                          | 9                                   | 5                 |

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).

|      |      |       |       |      |     |       |      |      |     |       |       |      |     |      |       |      |       |      |       |    |    |   |
|------|------|-------|-------|------|-----|-------|------|------|-----|-------|-------|------|-----|------|-------|------|-------|------|-------|----|----|---|
| 1606 | 63.2 | 48180 | 10831 | 3300 | 742 | 24090 | 5415 | 3300 | 742 | 48180 | 10831 | 3300 | 742 | 19.4 | 13.06 | 16.1 | 10.79 | 17.7 | 11.87 | 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).

|      |      |       |       |      |     |       |      |      |     |       |       |      |     |      |       |      |       |      |       |    |    |   |
|------|------|-------|-------|------|-----|-------|------|------|-----|-------|-------|------|-----|------|-------|------|-------|------|-------|----|----|---|
| 1986 | 78.2 | 59580 | 13394 | 3300 | 742 | 29790 | 6697 | 3300 | 742 | 59580 | 13394 | 3300 | 742 | 24.0 | 16.15 | 19.9 | 13.35 | 21.8 | 14.68 | 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.

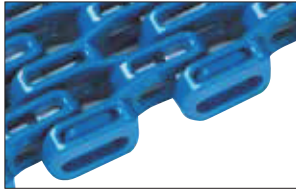
Outer modules are always in PA6.6 on belts wider than 234.0 mm (9.21 in).

Belts up to 234.0 mm (9.21 in) in width is only available in PA6.6.

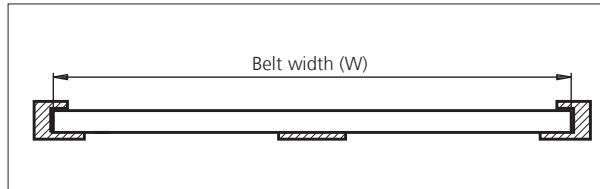
\*Max. Load per Drive Sprocket. Belt material: POM-D 1000 N (225 lbf). PP 850 N (191 lbf). PA6.6 1000 N (225 lbf).

\*\*Max. Spacing between wear strips. Carry: 152.0 mm (6 in); Return: 304.0 mm (12 in).

## Belt Tracking og Control Systems



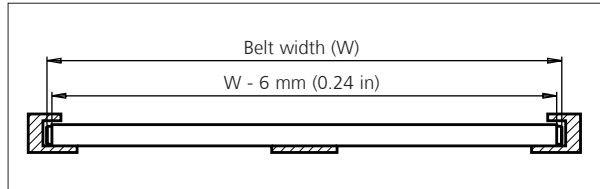
**uni Flex SNB L R2.3**  
Standard



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.



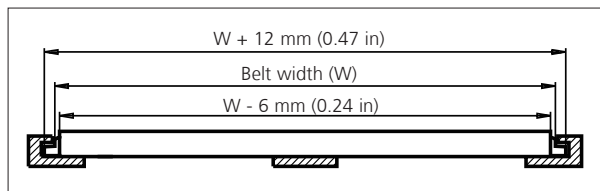
**Wearpart**



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.



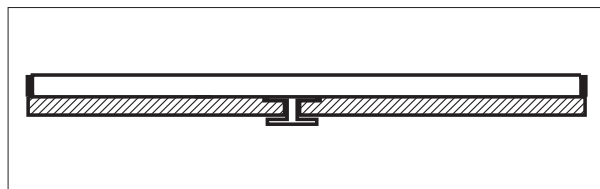
**O-Tab**



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).



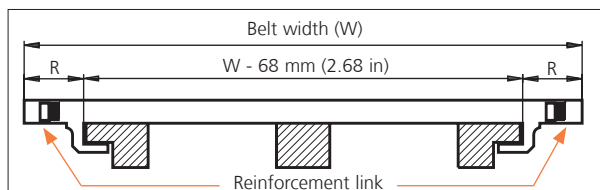
**I-Tab**



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).



**S-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).

| 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).

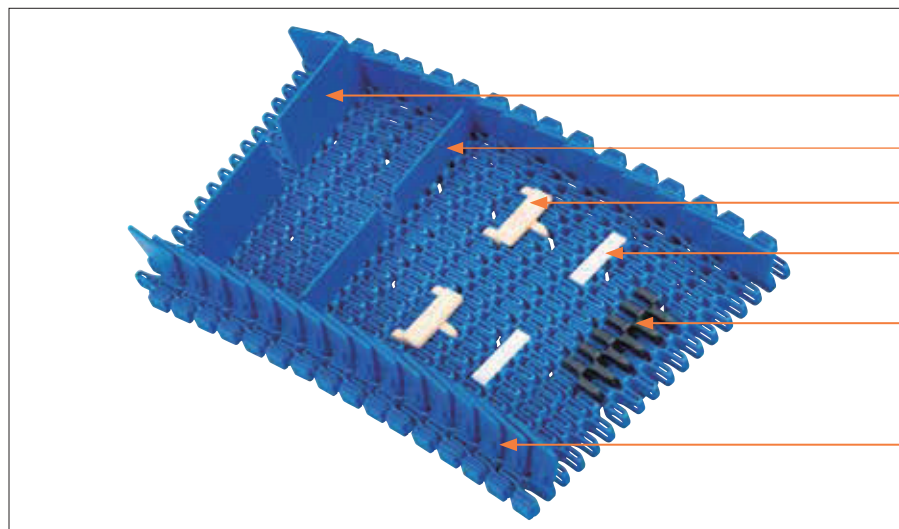
When using square shafts, please verify that the diagonal does not exceed max. diameter.

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

✓ *Standard* + *Optional*

- *Unavailable*

## Accessories



- Click on Flight 50.8 mm (2.00 in)
- Click on Flight 25.4 mm (1.00 in)
- Rubber Support: Made-To-Order
- Click on Flight Low: Made-To-Order
- Rubber Top
- Side Guard

## Accessories

### Side Guard / Standard

| Type       | Belt material & color                                                                                                                                             | Height |      |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|------|
|            |                                                                                                                                                                   | mm     | in   |
| Side Guard | PP-I <span style="background-color: #0056b3; color: white; padding: 0 2px;">B</span> <span style="background-color: white; color: black; padding: 0 2px;"></span> | 30.0   | 1.18 |

## Accessories

### Flight / Standard

| Type                 | Belt material & color                                                                                                                                              | Link size | Height |      | Width |      |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|--------|------|-------|------|
|                      |                                                                                                                                                                    |           | mm     | in   | mm    | in   |
| Click on Flight Flat | PA6.6 <span style="background-color: #0056b3; color: white; padding: 0 2px;">B</span> <span style="background-color: white; color: black; padding: 0 2px;"></span> | K300      | 25.4   | 1.00 | 75.9  | 2.99 |
|                      | PP <span style="background-color: #0056b3; color: white; padding: 0 2px;">B</span> <span style="background-color: white; color: black; padding: 0 2px;"></span>    |           | 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 <span style="background-color: #ffff00; border: 1px solid black; padding: 0 2px;">N</span>    | 4.0 | 0.16 | 43.0  | 1.69 | 14.0   | 0.55 |
| Click on Flight Low | POM-D <span style="background-color: #ffff00; border: 1px solid black; padding: 0 2px;">N</span> | 4.0 | 0.16 | 42.0  | 1.65 | 10.5   | 0.41 |

## Accessories

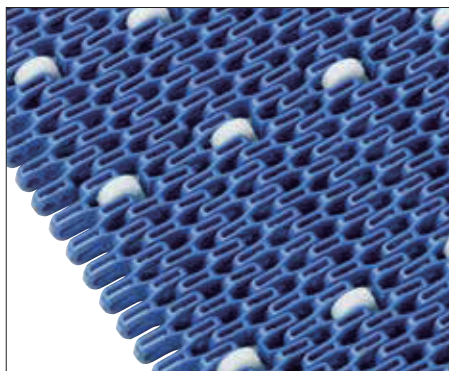
### Minimum Indents (I)

| 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 |

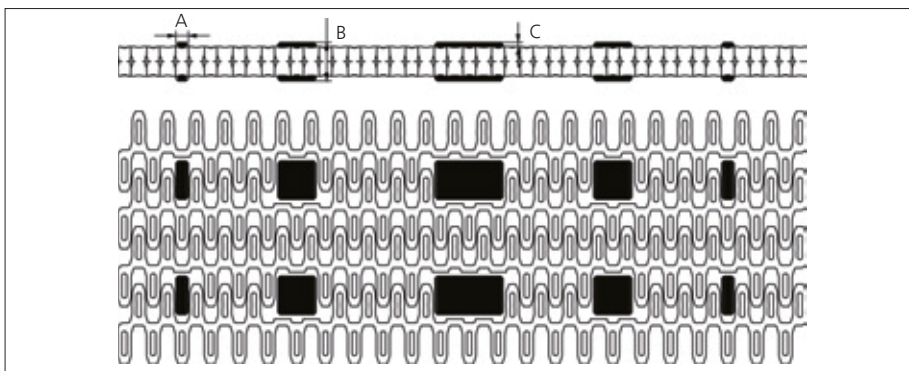
\* Even distance between Click on Flight rows

\*\* Odd distance between Click on Flight rows

## Made-To-Order Selection



**uni Flex SNB with Rollers**  
 $\varnothing 17 \times 5.5 \text{ mm}$  ( $\varnothing 0.67 \times 0.22 \text{ in}$ )



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

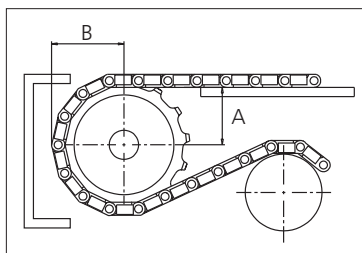
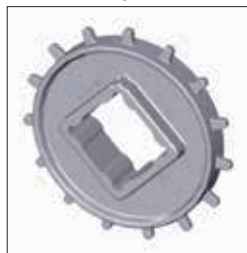
| Type    | Roller material & color | A    |      | B    |      | C   |      |
|---------|-------------------------|------|------|------|------|-----|------|
|         |                         | mm   | in   | mm   | in   | mm  | in   |
| Plastic | POM-D                   | 5.5  | 0.22 | 17.0 | 0.67 | 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 | <div><div></div></div><br>PAG | <div><div></div></div><br>PAG |
|--------------|------------|----|------|------|-------------|-------------|-------------|-------------|-------------|------|------|------|-------|------------------|-------|----------------|------|--------------|------|-------------|------|-------------|---|--------------------|--------------------|-------------------------------|-------------------------------|
|              | 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         | in | 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   |             |   |                    |                    |                               |                               |
| Z09          | x          |    |      |      | <div></div> | <div></div> | <div></div> | <div></div> |             |      |      |      | 73.8  | 2.91             | 74.3  | 2.93           | 56.8 | 2.24         | 28.4 | 1.12        | 43.5 | 1.71        | x |                    | x                  |                               |                               |
| Z10          | x          |    |      |      | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> |      |      |      | 82.2  | 3.24             | 82.2  | 3.24           | 65.2 | 2.57         | 32.6 | 1.28        | 47.5 | 1.87        | x |                    | x                  |                               |                               |
| Z12          | x          |    |      |      |             | <div></div> | <div></div> | <div></div> | <div></div> |      |      |      | 98.8  | 3.89             | 98.1  | 3.86           | 70.0 | 2.76         | 40.9 | 1.61        | 55.5 | 2.19        | x |                    | x                  |                               |                               |
| Z15          | x          |    |      |      |             | <div></div> | <div></div> | <div></div> | <div></div> |      |      |      | 123.5 | 4.86             | 122.2 | 4.81           | 70.0 | 2.76         | 53.2 | 2.09        | 67.5 | 2.66        | x |                    | x                  |                               |                               |
| Z18          | x          |    |      |      |             |             | <div></div> | <div></div> | <div></div> |      |      |      | 148.1 | 5.83             | 146.3 | 5.76           | 70.0 | 2.76         | 65.5 | 2.58        | 79.6 | 3.13        | x |                    | x                  |                               |                               |
| Z19          | x          |    |      |      |             |             | <div></div> | <div></div> | <div></div> |      |      |      | 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.

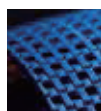
For more detailed sprocket information, contact Customer Service.



Conveyor Belts



Seamless Belts



Modular Belts



Timing Belts



Transmission Belts

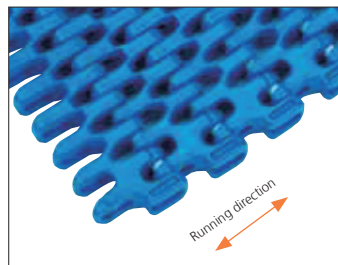


Fabrication & service

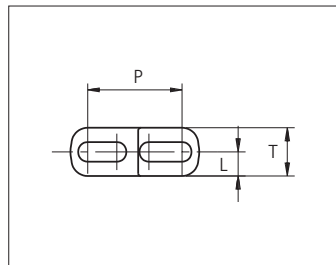
Expert advice, quality solutions  
 and local service  
 for all your belting needs  
[www.unichains.com](http://www.unichains.com)

# Plastic Modular Belt

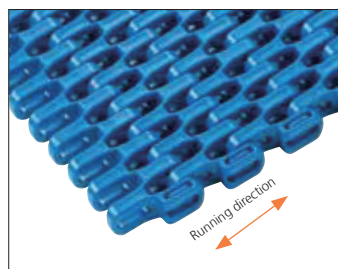
Series **uni Flex SNB**



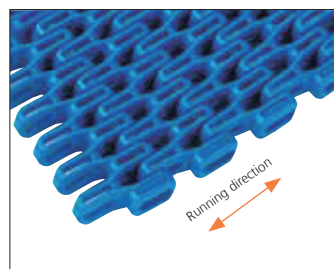
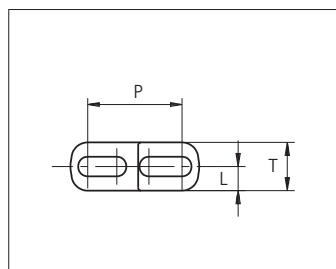
**uni Flex SNB CR R1.6**  
Surface Opening: 47%



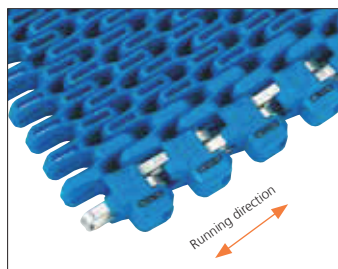
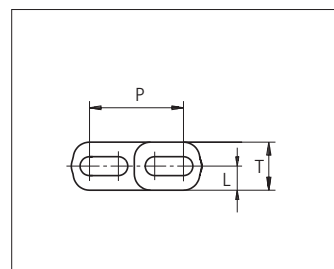
Sideflexing belt  
Nominal pitch: 25.4 mm (1.00 in)  
Surface type: Flat  
Surface opening: 47%/55%  
Backflex radius: 25.0 mm (0.98 in)  
Pin diameter: 5.0 mm (0.20 in)  
Min. inside radius: R1.6 x belt width. R2.3 x belt width



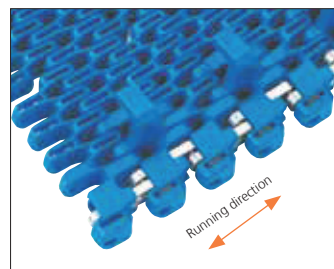
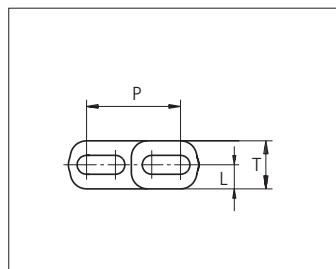
**uni Flex SNB C R2.3**  
Surface Opening: 47%



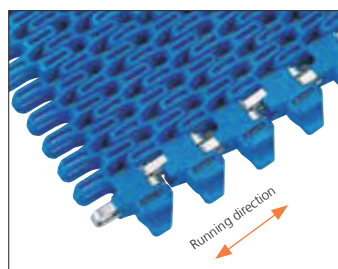
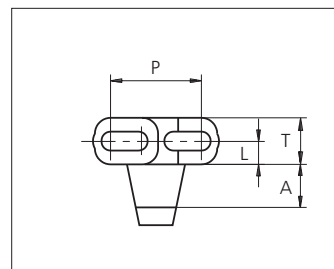
**uni Flex SNB L R2.3**  
Surface Opening: 55%



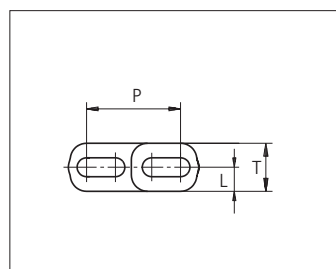
**uni Flex SNB W R2.3**  
Surface Opening: 55%



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



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

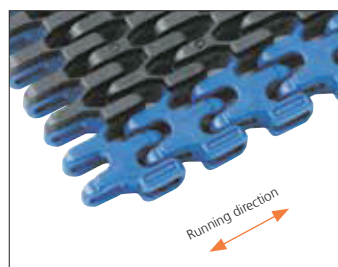


|                       | mm   | in   |          | mm   | in   |
|-----------------------|------|------|----------|------|------|
| <b>P</b><br>(Nominal) | 25.4 | 1.00 | <b>L</b> | 6.5  | 0.26 |
| <b>A</b>              | 12.0 | 0.47 | <b>T</b> | 13.0 | 0.51 |

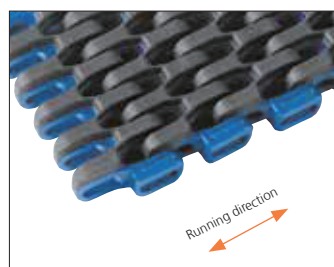
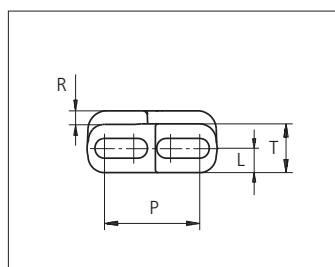
STANDARD

SIDE FLEXING

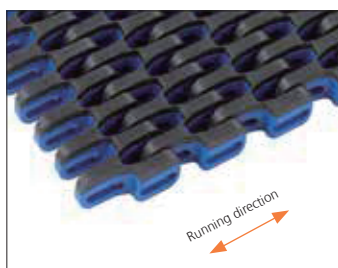
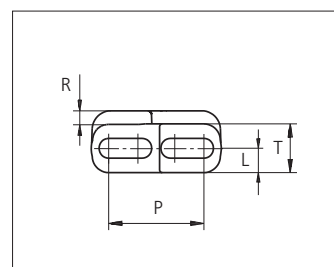
PITCH 25.4 MM/1.00 IN



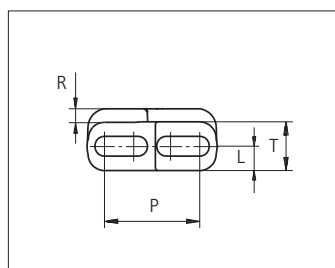
**uni Flex SNB CR Rubber Top R1.6**  
Surface Opening: 47%



**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   |
|-----------------------|------|------|----------|------|------|
| <b>P</b><br>(Nominal) | 25.4 | 1.00 | <b>R</b> | 3.0  | 0.12 |
| <b>L</b>              | 6.5  | 0.26 | <b>T</b> | 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                                                                                                                                                                                                                                                                                                                                              |
|---------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>uni Flex SNB CR R1.6</b><br><b>uni Flex SNB C R2.3</b><br><b>uni Flex SNB L R2.3*</b>                                  | POM-D                                                                                          |  PBT                                                                                                                                                                                            |
|                                                                                                                           | PP                                                                                            |                                                                                                                                                                                                                                                                                                                                                                       |
|                                                                                                                           | PA6.6                                                                                        |                                                                                                                                                                                                                                                                                                                                                                       |
| <b>uni Flex SNB C R2.3</b>                                                                                                | POM-D                                                                                        |  SS304<br> SS304<br> PBT  |
| <b>uni Flex SNB W</b><br><b>uni Flex SNB WO</b>                                                                           | PA6.6                                                                                        |                                                                                                                                                                                                                                                                                                                                                                       |
| <b>uni Flex SNB WT</b>                                                                                                    | PA6.6                                                                                        |                                                                                                                                                                                                                                                                                                                                                                       |
| <b>uni Flex SNB CR Rubber Top R1.6</b><br><b>uni Flex SNB CI Rubber Top R2.3</b><br><b>uni Flex SNB C Rubber Top R2.3</b> | PP  + 03  |  PBT                                                                                                                                                                                            |
|                                                                                                                           | PP  + 03  |                                                                                                                                                                                                                                                                                                                                                                       |

#### Standard materials and colors

Lockingplates PP    
Wearpart and O-Tab PA6.6  

For high speed or load abrasive applications:

Wearpart and O-Tab POM-DK 

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

Alternative pin materials:  PA6.6  

## uni Flex SNB CR R1.6

| Belt width |      | Permissible tensile force<br>(Belt/pin material) |      |                   |     |                      |      |                   |     |                      |      |                   |     | Belt weight<br>(Belt/pin material) |       |        |       |           |       | *Min No.<br>drive<br>sprocket<br>per shaft | Number of wear<br>strips (Min. No.) |                   |
|------------|------|--------------------------------------------------|------|-------------------|-----|----------------------|------|-------------------|-----|----------------------|------|-------------------|-----|------------------------------------|-------|--------|-------|-----------|-------|--------------------------------------------|-------------------------------------|-------------------|
|            |      | POM-D/PBT                                        |      |                   |     | PP/PBT               |      |                   |     | PA6.6/PBT            |      |                   |     | POM-D<br>/PBT                      |       | PP/PBT |       | PA6.6/PBT |       |                                            | **Carry<br>(pcs)                    | **Return<br>(pcs) |
|            |      | Straight<br>sections                             |      | Curve<br>sections |     | Straight<br>sections |      | Curve<br>sections |     | Straight<br>sections |      | Curve<br>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 |                                            |                                     |                   |
| 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: 152.0 mm (6.00 in); Return: 304.0 mm (12.00 in).

## uni Flex SNB C R2.3 / uni Flex SNB L R2.3

| Belt width |      | Permissible tensile force<br>(Belt/pin material) |      |                   |     |                      |      |                   |     |                      |      |                   |     | Belt weight<br>(Belt/pin material) |       |        |       |           |       | *Min No.<br>drive<br>sprocket<br>per shaft | Number of wear<br>strips (Min. No.) |                   |
|------------|------|--------------------------------------------------|------|-------------------|-----|----------------------|------|-------------------|-----|----------------------|------|-------------------|-----|------------------------------------|-------|--------|-------|-----------|-------|--------------------------------------------|-------------------------------------|-------------------|
|            |      | POM-D/PBT                                        |      |                   |     | PP/PBT               |      |                   |     | PA6.6/PBT            |      |                   |     |                                    |       | PP/PBT |       | PA6.6/PBT |       |                                            | **Carry<br>(pcs)                    | **Return<br>(pcs) |
|            |      | Straight<br>sections                             |      | Curve<br>sections |     | Straight<br>sections |      | Curve<br>sections |     | Straight<br>sections |      | Curve<br>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 |                                            |                                     |                   |
| 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: 152.0 mm (6.00 in); Return: 304.0 mm (12.00 in)

uni Flex SNB W R2.3 / uni Flex SNB WO R2.3

| Belt width |      | Permissible tensile force<br>(Belt/pin material) |      |                   |     |                               |      |                   |     |                                  |      |                   |     | Belt weight<br>(Belt/pin material)    |       |                                    |       |                                       |       | *Min No.<br>drive<br>sprocket<br>per shaft | Number of wear<br>strips (Min. No.) |                   |
|------------|------|--------------------------------------------------|------|-------------------|-----|-------------------------------|------|-------------------|-----|----------------------------------|------|-------------------|-----|---------------------------------------|-------|------------------------------------|-------|---------------------------------------|-------|--------------------------------------------|-------------------------------------|-------------------|
|            |      | POM-D/SS+<br>Reinforcement links                 |      |                   |     | PP/SS+<br>Reinforcement links |      |                   |     | PA6.6/SS+<br>Reinforcement links |      |                   |     | POM-D/SS+<br>Reinforce-<br>ment links |       | PP/SS+<br>Reinforce-<br>ment links |       | PA6.6/SS+<br>Reinforce-<br>ment links |       |                                            | **Carry<br>(pcs)                    | **Return<br>(pcs) |
|            |      | Straight<br>sections                             |      | Curve<br>sections |     | Straight<br>sections          |      | Curve<br>sections |     | Straight<br>sections             |      | Curve<br>sections |     | kg/m lb/ft                            |       | kg/m lb/ft                         |       | kg/m lb/ft                            |       |                                            |                                     |                   |
| 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 |                                            |                                     |                   |
| 235        | 9.3  | 7050                                             | 1585 | 3300              | 742 | 3525                          | 792  | 3300              | 742 | 7050                             | 1585 | 3300              | 742 | 2.8                                   | 1.91  | 2.4                                | 1.58  | 2.6                                   | 1.74  | 2                                          | 2                                   | 2                 |
| 311        | 12.2 | 9330                                             | 2097 | 3300              | 742 | 4665                          | 1049 | 3300              | 742 | 9330                             | 2097 | 3300              | 742 | 3.8                                   | 2.53  | 3.1                                | 2.09  | 3.4                                   | 2.30  | 3                                          | 3                                   | 2                 |
| 387        | 15.2 | 11610                                            | 2610 | 3300              | 742 | 5805                          | 1305 | 3300              | 742 | 11610                            | 2610 | 3300              | 742 | 4.7                                   | 3.15  | 3.9                                | 2.60  | 4.3                                   | 2.86  | 3                                          | 3                                   | 2                 |
| 463        | 18.2 | 13890                                            | 3122 | 3300              | 742 | 6945                          | 1561 | 3300              | 742 | 13890                            | 3122 | 3300              | 742 | 5.6                                   | 3.77  | 4.6                                | 3.11  | 5.1                                   | 3.42  | 5                                          | 4                                   | 2                 |
| 540        | 21.3 | 16200                                            | 3642 | 3300              | 742 | 8100                          | 1821 | 3300              | 742 | 16200                            | 3642 | 3300              | 742 | 6.5                                   | 4.39  | 5.4                                | 3.63  | 5.9                                   | 3.99  | 5                                          | 4                                   | 2                 |
| 616        | 24.3 | 18480                                            | 4154 | 3300              | 742 | 9240                          | 2077 | 3300              | 742 | 18480                            | 4154 | 3300              | 742 | 7.5                                   | 5.01  | 6.2                                | 4.14  | 6.8                                   | 4.55  | 5                                          | 5                                   | 3                 |
| 692        | 27.2 | 20760                                            | 4667 | 3300              | 742 | 10380                         | 2333 | 3300              | 742 | 20760                            | 4667 | 3300              | 742 | 8.4                                   | 5.63  | 6.9                                | 4.65  | 7.6                                   | 5.12  | 5                                          | 5                                   | 3                 |
| 768        | 30.2 | 23040                                            | 5179 | 3300              | 742 | 11520                         | 2590 | 3300              | 742 | 23040                            | 5179 | 3300              | 742 | 9.3                                   | 6.25  | 7.7                                | 5.16  | 8.4                                   | 5.68  | 7                                          | 6                                   | 3                 |
| 844        | 33.2 | 25320                                            | 5692 | 3300              | 742 | 12660                         | 2846 | 3300              | 742 | 25320                            | 5692 | 3300              | 742 | 10.2                                  | 6.86  | 8.4                                | 5.67  | 9.3                                   | 6.24  | 7                                          | 6                                   | 3                 |
| 920        | 36.2 | 27600                                            | 6204 | 3300              | 742 | 13800                         | 3102 | 3300              | 742 | 27600                            | 6204 | 3300              | 742 | 11.1                                  | 7.48  | 9.2                                | 6.18  | 10.1                                  | 6.80  | 7                                          | 7                                   | 4                 |
| 996        | 39.2 | 29880                                            | 6717 | 3300              | 742 | 14940                         | 3359 | 3300              | 742 | 29880                            | 6717 | 3300              | 742 | 12.1                                  | 8.10  | 10.0                               | 6.69  | 11.0                                  | 7.36  | 7                                          | 7                                   | 4                 |
| 1073       | 42.2 | 32190                                            | 7236 | 3300              | 742 | 16095                         | 3618 | 3300              | 742 | 32190                            | 7236 | 3300              | 742 | 13.0                                  | 8.73  | 10.7                               | 7.21  | 11.8                                  | 7.93  | 9                                          | 8                                   | 4                 |
| 1149       | 45.2 | 34470                                            | 7749 | 3300              | 742 | 17235                         | 3874 | 3300              | 742 | 34470                            | 7749 | 3300              | 742 | 13.9                                  | 9.34  | 11.5                               | 7.72  | 12.6                                  | 8.49  | 9                                          | 8                                   | 4                 |
| 1149       | 45.2 | 34470                                            | 7749 | 3300              | 742 | 17235                         | 3874 | 3300              | 742 | 34470                            | 7749 | 3300              | 742 | 13.9                                  | 9.34  | 11.5                               | 7.72  | 12.6                                  | 8.49  | 9                                          | 8                                   | 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)

|      |      |       |       |      |     |       |      |      |     |       |       |      |     |      |       |      |       |      |       |    |    |   |
|------|------|-------|-------|------|-----|-------|------|------|-----|-------|-------|------|-----|------|-------|------|-------|------|-------|----|----|---|
| 1606 | 63.2 | 48180 | 10831 | 3300 | 742 | 24090 | 5415 | 3300 | 742 | 48180 | 10831 | 3300 | 742 | 19.4 | 13.06 | 16.1 | 10.79 | 17.7 | 11.87 | 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)

|      |      |       |       |      |     |       |      |      |     |       |       |      |     |      |       |      |       |      |       |    |    |   |
|------|------|-------|-------|------|-----|-------|------|------|-----|-------|-------|------|-----|------|-------|------|-------|------|-------|----|----|---|
| 1986 | 78.2 | 59580 | 13394 | 3300 | 742 | 29790 | 6697 | 3300 | 742 | 59580 | 13394 | 3300 | 742 | 24.0 | 16.15 | 19.9 | 13.35 | 21.8 | 14.68 | 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 234.0 mm (9.21 in).

Belts up to 234.0 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: 152.0 mm (6.00 in); Return: 304.0 mm (12.00 in).

uni Flex SNB WT R2.3 – PBT pins

| Belt width |      | Permissible tensile force<br>(Belt/pin material) |      |                   |     |                      |      |                   |     |                      |      |                   |     | Belt weight<br>(Belt/pin material) |       |        |       |           |       |                  |                   | *Min No.<br>drive<br>sprocket<br>per shaft | Number of wear<br>strips (Min. No.) |  |
|------------|------|--------------------------------------------------|------|-------------------|-----|----------------------|------|-------------------|-----|----------------------|------|-------------------|-----|------------------------------------|-------|--------|-------|-----------|-------|------------------|-------------------|--------------------------------------------|-------------------------------------|--|
|            |      | POM-D/PBT                                        |      |                   |     | PP/PBT               |      |                   |     | PA6.6/PBT            |      |                   |     | POM-D/PBT                          |       | PP/PBT |       | PA6.6/PBT |       | **Carry<br>(pcs) | **Return<br>(pcs) |                                            |                                     |  |
|            |      | Straight<br>sections                             |      | Curve<br>sections |     | Straight<br>sections |      | Curve<br>sections |     | Straight<br>sections |      | Curve<br>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 |                  |                   |                                            |                                     |  |
| 235        | 9.3  | 7050                                             | 1585 | 1000              | 225 | 3525                 | 792  | 1000              | 225 | 7050                 | 1585 | 1000              | 225 | 1.6                                | 1.09  | 1.1    | 0.76  | 1.4       | 0.92  | 2                | 2                 | 2                                          |                                     |  |
| 311        | 12.2 | 9330                                             | 2097 | 1000              | 225 | 4665                 | 1049 | 1000              | 225 | 9330                 | 2097 | 1000              | 225 | 2.1                                | 1.44  | 1.5    | 1.00  | 1.8       | 1.21  | 3                | 3                 | 2                                          |                                     |  |
| 387        | 15.2 | 11610                                            | 2610 | 1000              | 225 | 5805                 | 1305 | 1000              | 225 | 11610                | 2610 | 1000              | 225 | 2.7                                | 1.79  | 1.9    | 1.25  | 2.2       | 1.51  | 3                | 3                 | 2                                          |                                     |  |
| 463        | 18.2 | 13890                                            | 3122 | 1000              | 225 | 6945                 | 1561 | 1000              | 225 | 13890                | 3122 | 1000              | 225 | 3.2                                | 2.15  | 2.2    | 1.49  | 2.7       | 1.80  | 5                | 4                 | 2                                          |                                     |  |
| 540        | 21.3 | 16200                                            | 3642 | 1000              | 225 | 8100                 | 1821 | 1000              | 225 | 16200                | 3642 | 1000              | 225 | 3.7                                | 2.50  | 2.6    | 1.74  | 3.1       | 2.10  | 5                | 4                 | 2                                          |                                     |  |
| 616        | 24.3 | 18480                                            | 4154 | 1000              | 225 | 9240                 | 2077 | 1000              | 225 | 18480                | 4154 | 1000              | 225 | 4.3                                | 2.86  | 3.0    | 1.99  | 3.6       | 2.40  | 5                | 5                 | 3                                          |                                     |  |
| 692        | 27.2 | 20760                                            | 4667 | 1000              | 225 | 10380                | 2333 | 1000              | 225 | 20760                | 4667 | 1000              | 225 | 4.8                                | 3.21  | 3.3    | 2.23  | 4.0       | 2.70  | 5                | 5                 | 3                                          |                                     |  |
| 768        | 30.2 | 23040                                            | 5179 | 1000              | 225 | 11520                | 2590 | 1000              | 225 | 23040                | 5179 | 1000              | 225 | 5.3                                | 3.56  | 3.7    | 2.48  | 4.5       | 2.99  | 7                | 6                 | 3                                          |                                     |  |
| 844        | 33.2 | 25320                                            | 5692 | 1000              | 225 | 12660                | 2846 | 1000              | 225 | 25320                | 5692 | 1000              | 225 | 5.8                                | 3.91  | 4.1    | 2.72  | 4.9       | 3.29  | 7                | 6                 | 3                                          |                                     |  |
| 920        | 36.2 | 27600                                            | 6204 | 1000              | 225 | 13800                | 3102 | 1000              | 225 | 27600                | 6204 | 1000              | 225 | 6.3                                | 4.27  | 4.4    | 2.97  | 5.3       | 3.59  | 7                | 7                 | 4                                          |                                     |  |
| 996        | 39.2 | 29880                                            | 6717 | 1000              | 225 | 14940                | 3359 | 1000              | 225 | 29880                | 6717 | 1000              | 225 | 6.9                                | 4.62  | 4.8    | 3.21  | 5.8       | 3.88  | 7                | 7                 | 4                                          |                                     |  |
| 1073       | 42.2 | 32190                                            | 7236 | 1000              | 225 | 16095                | 3618 | 1000              | 225 | 32190                | 7236 | 1000              | 225 | 7.4                                | 4.98  | 5.2    | 3.46  | 6.2       | 4.18  | 9                | 8                 | 4                                          |                                     |  |
| 1149       | 45.2 | 34470                                            | 7749 | 1000              | 225 | 17235                | 3874 | 1000              | 225 | 34470                | 7749 | 1000              | 225 | 7.9                                | 5.33  | 5.5    | 3.71  | 6.7       | 4.48  | 9                | 8                 | 4                                          |                                     |  |
| 1225       | 48.2 | 36750                                            | 8261 | 1000              | 225 | 18375                | 4131 | 1000              | 225 | 36750                | 8261 | 1000              | 225 | 8.5                                | 5.68  | 5.9    | 3.95  | 7.1       | 4.77  | 9                | 9                 | 5                                          |                                     |  |

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).

|      |      |       |       |      |     |       |      |      |     |       |       |      |     |      |      |     |      |     |      |    |    |   |
|------|------|-------|-------|------|-----|-------|------|------|-----|-------|-------|------|-----|------|------|-----|------|-----|------|----|----|---|
| 1606 | 63.2 | 48180 | 10831 | 1000 | 225 | 24090 | 5415 | 1000 | 225 | 48180 | 10831 | 1000 | 225 | 11.1 | 7.45 | 7.7 | 5.18 | 9.3 | 6.26 | 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).

|      |      |       |       |      |     |       |      |      |     |       |       |      |     |      |      |     |      |      |      |    |    |   |
|------|------|-------|-------|------|-----|-------|------|------|-----|-------|-------|------|-----|------|------|-----|------|------|------|----|----|---|
| 1986 | 78.2 | 59580 | 13394 | 1000 | 225 | 29790 | 6697 | 1000 | 225 | 59580 | 13394 | 1000 | 225 | 13.7 | 9.21 | 9.5 | 6.41 | 11.5 | 7.74 | 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 234.0 mm (9.21 in).

Belts up to 234.0 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: 152.0 mm (6.00 in); Return: 304.0 mm (12.00 in).

## uni Flex SNB WT R2.3 – SS pins

| Belt width |      | Permissible tensile force<br>(Belt/pin material) |      |                   |     |                               |      |                   |     |                                  |      |                   |     | Belt weight<br>(Belt/pin material)    |       |                                    |       |                                       |       | *Min No.<br>drive<br>sprocket<br>per shaft | Number of wear<br>strips (Min. No.) |                   |
|------------|------|--------------------------------------------------|------|-------------------|-----|-------------------------------|------|-------------------|-----|----------------------------------|------|-------------------|-----|---------------------------------------|-------|------------------------------------|-------|---------------------------------------|-------|--------------------------------------------|-------------------------------------|-------------------|
|            |      | POM-D/SS<br>+Reinforcement links                 |      |                   |     | PP/SS<br>+Reinforcement links |      |                   |     | PA6.6/SS<br>+Reinforcement links |      |                   |     | POM-D/SS+<br>Reinforce-<br>ment links |       | PP/SS+<br>Reinforce-<br>ment links |       | PA6.6/SS+<br>Reinforce-<br>ment links |       |                                            | **Carry<br>(pcs)                    | **Return<br>(pcs) |
|            |      | Straight<br>sections                             |      | Curve<br>sections |     | Straight<br>sections          |      | Curve<br>sections |     | Straight<br>sections             |      | Curve<br>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 |                                            |                                     |                   |
| 235        | 9.3  | 7050                                             | 1585 | 3300              | 742 | 3525                          | 792  | 3300              | 742 | 7050                             | 1585 | 3300              | 742 | 2.8                                   | 1.91  | 2.4                                | 1.58  | 2.6                                   | 1.74  | 2                                          | 2                                   | 2                 |
| 311        | 12.2 | 9330                                             | 2097 | 3300              | 742 | 4665                          | 1049 | 3300              | 742 | 9330                             | 2097 | 3300              | 742 | 3.8                                   | 2.53  | 3.1                                | 2.09  | 3.4                                   | 2.30  | 3                                          | 3                                   | 2                 |
| 387        | 15.2 | 11610                                            | 2610 | 3300              | 742 | 5805                          | 1305 | 3300              | 742 | 11610                            | 2610 | 3300              | 742 | 4.7                                   | 3.15  | 3.9                                | 2.60  | 4.3                                   | 2.86  | 3                                          | 3                                   | 2                 |
| 463        | 18.2 | 13890                                            | 3122 | 3300              | 742 | 6945                          | 1561 | 3300              | 742 | 13890                            | 3122 | 3300              | 742 | 5.6                                   | 3.77  | 4.6                                | 3.11  | 5.1                                   | 3.42  | 5                                          | 4                                   | 2                 |
| 540        | 21.3 | 16200                                            | 3642 | 3300              | 742 | 8100                          | 1821 | 3300              | 742 | 16200                            | 3642 | 3300              | 742 | 6.5                                   | 4.39  | 5.4                                | 3.63  | 5.9                                   | 3.99  | 5                                          | 4                                   | 2                 |
| 616        | 24.3 | 18480                                            | 4154 | 3300              | 742 | 9240                          | 2077 | 3300              | 742 | 18480                            | 4154 | 3300              | 742 | 7.5                                   | 5.01  | 6.2                                | 4.14  | 6.8                                   | 4.55  | 5                                          | 5                                   | 3                 |
| 692        | 27.2 | 20760                                            | 4667 | 3300              | 742 | 10380                         | 2333 | 3300              | 742 | 20760                            | 4667 | 3300              | 742 | 8.4                                   | 5.63  | 6.9                                | 4.65  | 7.6                                   | 5.12  | 5                                          | 5                                   | 3                 |
| 768        | 30.2 | 23040                                            | 5179 | 3300              | 742 | 11520                         | 2590 | 3300              | 742 | 23040                            | 5179 | 3300              | 742 | 9.3                                   | 6.25  | 7.7                                | 5.16  | 8.4                                   | 5.68  | 7                                          | 6                                   | 3                 |
| 844        | 33.2 | 25320                                            | 5692 | 3300              | 742 | 12660                         | 2846 | 3300              | 742 | 25320                            | 5692 | 3300              | 742 | 10.2                                  | 6.86  | 8.4                                | 5.67  | 9.3                                   | 6.24  | 7                                          | 6                                   | 3                 |
| 920        | 36.2 | 27600                                            | 6204 | 3300              | 742 | 13800                         | 3102 | 3300              | 742 | 27600                            | 6204 | 3300              | 742 | 11.1                                  | 7.48  | 9.2                                | 6.18  | 10.1                                  | 6.80  | 7                                          | 7                                   | 4                 |
| 996        | 39.2 | 29880                                            | 6717 | 3300              | 742 | 14940                         | 3359 | 3300              | 742 | 29880                            | 6717 | 3300              | 742 | 12.1                                  | 8.10  | 10.0                               | 6.69  | 11.0                                  | 7.36  | 7                                          | 7                                   | 4                 |
| 1073       | 42.2 | 32190                                            | 7236 | 3300              | 742 | 16095                         | 3618 | 3300              | 742 | 32190                            | 7236 | 3300              | 742 | 13.0                                  | 8.73  | 10.7                               | 7.21  | 11.8                                  | 7.93  | 9                                          | 8                                   | 4                 |
| 1149       | 45.2 | 34470                                            | 7749 | 3300              | 742 | 17235                         | 3874 | 3300              | 742 | 34470                            | 7749 | 3300              | 742 | 13.9                                  | 9.34  | 11.5                               | 7.72  | 12.6                                  | 8.49  | 9                                          | 8                                   | 4                 |
| 1225       | 48.2 | 36750                                            | 8261 | 3300              | 742 | 18375                         | 4131 | 3300              | 742 | 36750                            | 8261 | 3300              | 742 | 14.8                                  | 9.96  | 12.3                               | 8.23  | 13.5                                  | 9.06  | 9                                          | 9                                   | 5                 |

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).

|      |      |       |       |      |     |       |      |      |     |       |       |      |     |      |       |      |       |      |       |    |    |   |
|------|------|-------|-------|------|-----|-------|------|------|-----|-------|-------|------|-----|------|-------|------|-------|------|-------|----|----|---|
| 1606 | 63.2 | 48180 | 10831 | 3300 | 742 | 24090 | 5415 | 3300 | 742 | 48180 | 10831 | 3300 | 742 | 19.4 | 13.06 | 16.1 | 10.79 | 17.7 | 11.87 | 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).

|      |      |       |       |      |     |       |      |      |     |       |       |      |     |      |       |      |       |      |       |    |    |   |
|------|------|-------|-------|------|-----|-------|------|------|-----|-------|-------|------|-----|------|-------|------|-------|------|-------|----|----|---|
| 1986 | 78.2 | 59580 | 13394 | 3300 | 742 | 29790 | 6697 | 3300 | 742 | 59580 | 13394 | 3300 | 742 | 24.0 | 16.15 | 19.9 | 13.35 | 21.8 | 14.68 | 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.

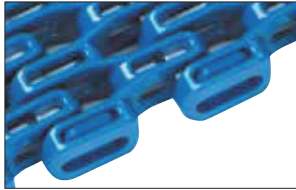
Outer modules are always in PA6.6 on belts wider than 234.0 mm (9.21 in).

Belts up to 234.0 mm (9.21 in) in width is only available in PA6.6.

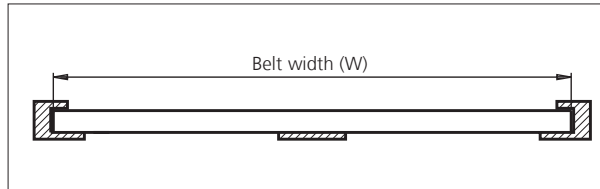
\*Max. Load per Drive Sprocket. Belt material: POM-D 1000 N (225 lbf). PP 850 N (191 lbf). PA6.6 1000 N (225 lbf).

\*\*Max. Spacing between wear strips. Carry: 152.0 mm (6 in); Return: 304.0 mm (12 in).

## Belt Tracking og Control Systems



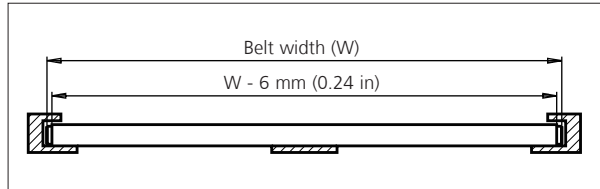
**uni Flex SNB L R2.3**  
Standard



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.



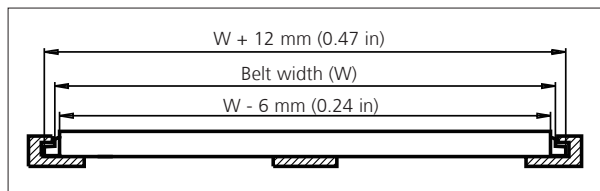
**Wearpart**



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.



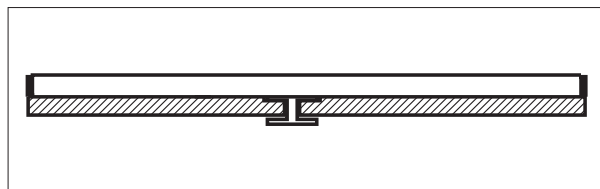
**O-Tab**



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)



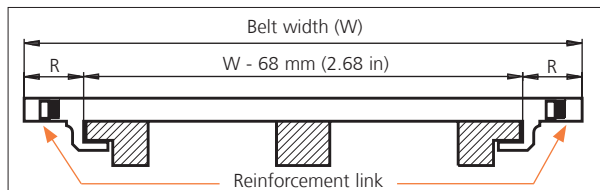
**I-Tab**



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).



**S-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.  
 $R = 34.0 \text{ mm (1.34 in)}$

| 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).

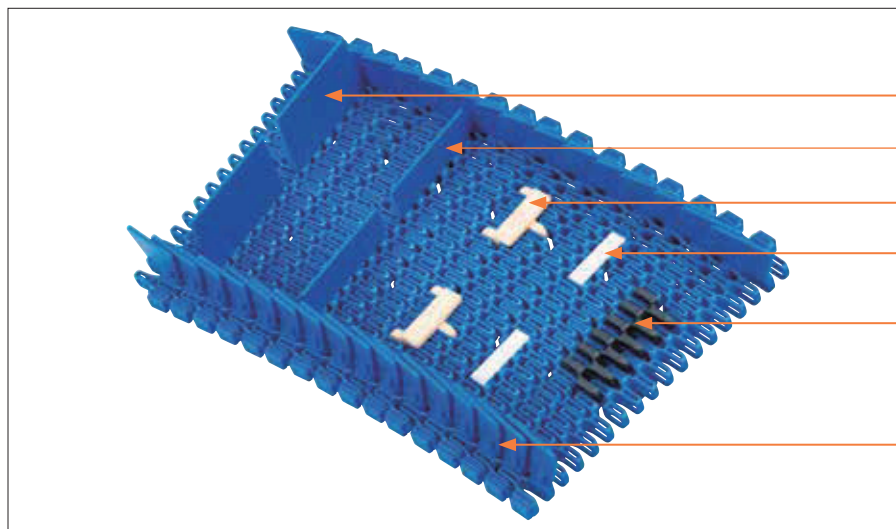
When using square shafts, please verify that the diagonal does not exceed max. diameter.

Example: Sprocket  $z = 10$ : Max. shaft diameter  $82.2 - 50.8 = \varnothing 31 \text{ mm (3.24 - 2.00 = } \varnothing 1.2 \text{ in)}$ .

✓ *Standard* + *Optional*

- *Unavailable*

## Accessories



- Click on Flight 50.8 mm (2.00 in)
- Click on Flight 25.4 mm (1.00 in)
- Rubber Support: Made-To-Order
- Click on Flight Low: Made-To-Order
- Rubber Top
- Side Guard

## Accessories

### Side Guard / Standard

| Type       | Belt material & color                                                                                                                                             | Height |      |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|------|
|            |                                                                                                                                                                   | mm     | in   |
| Side Guard | PP-I <span style="background-color: #0056b3; color: white; padding: 0 2px;">B</span> <span style="background-color: white; color: black; padding: 0 2px;"></span> | 30.0   | 1.18 |

## Accessories

### Flight / Standard

| Type                 | Belt material & color                                                                                                                                              | Link size | Height |      | Width |      |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|--------|------|-------|------|
|                      |                                                                                                                                                                    |           | mm     | in   | mm    | in   |
| Click on Flight Flat | PA6.6 <span style="background-color: #0056b3; color: white; padding: 0 2px;">B</span> <span style="background-color: white; color: black; padding: 0 2px;"></span> | K300      | 25.4   | 1.00 | 75.9  | 2.99 |
|                      | PP <span style="background-color: #0056b3; color: white; padding: 0 2px;">B</span> <span style="background-color: white; color: black; padding: 0 2px;"></span>    |           | 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 <span style="background-color: #ffff00; border: 1px solid black; padding: 0 2px;">N</span>    | 4.0 | 0.16 | 43.0  | 1.69 | 14.0   | 0.55 |
| Click on Flight Low | POM-D <span style="background-color: #ffff00; border: 1px solid black; padding: 0 2px;">N</span> | 4.0 | 0.16 | 42.0  | 1.65 | 10.5   | 0.41 |

## Accessories

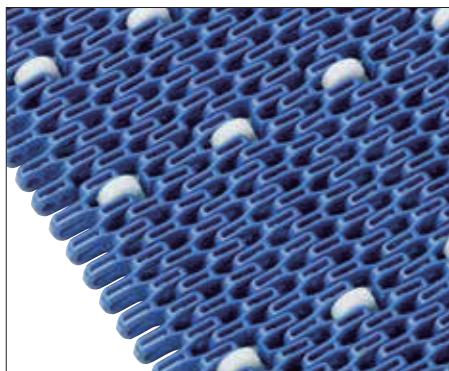
### Minimum Indents (I)

| 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 |

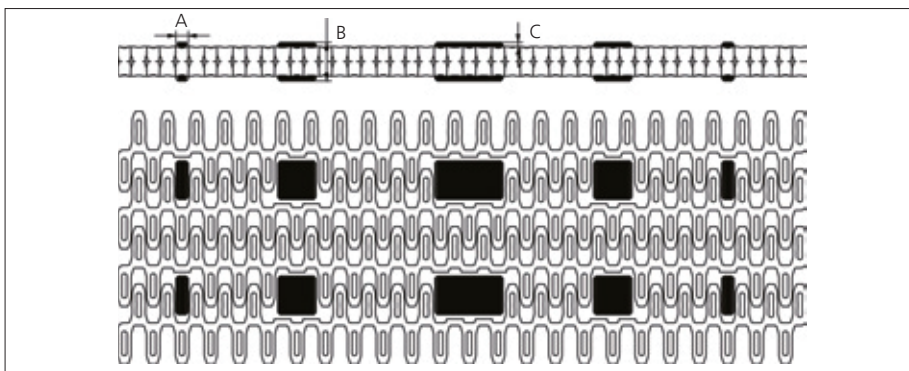
\* Even distance between Click on Flight rows

\*\* 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-Order Materials: POM-D, PP, PA6.6 and Roller Material POM-D.  
 Non standard Roller material and color: See uni Material and Color view.

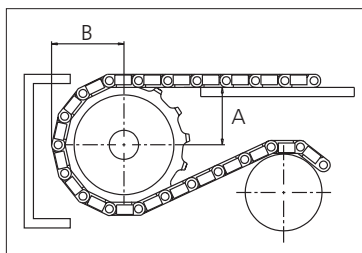
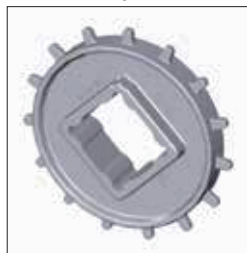
| Type    | Roller material & color | A    |      | B    |      | C   |      |
|---------|-------------------------|------|------|------|------|-----|------|
|         |                         | mm   | in   | mm   | in   | mm  | in   |
| Plastic | POM-D                   | 5.5  | 0.22 | 17.0 | 0.67 | 2.0 | 0.08 |
|         |                         | 17.0 | 0.67 |      |      |     |      |
|         |                         | 30.0 | 1.18 |      |      |     |      |

## Sprocket

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

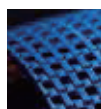
For more detailed sprocket information, contact Customer Service.



Conveyor Belts



Seamless Belts



Modular Belts



Timing Belts



Transmission Belts

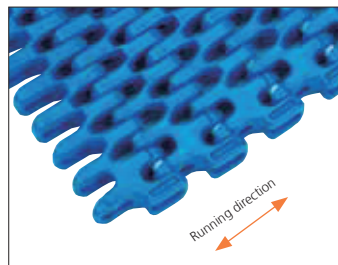


Fabrication & service

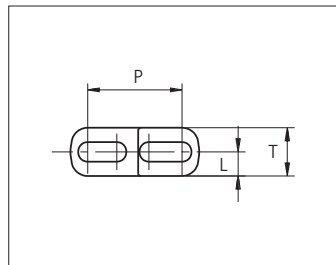
Expert advice, quality solutions and local service for all your belting needs  
[www.unichains.com](http://www.unichains.com)

# Plastic Modular Belt

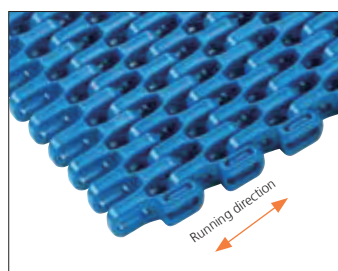
Series **uni Flex SNB**



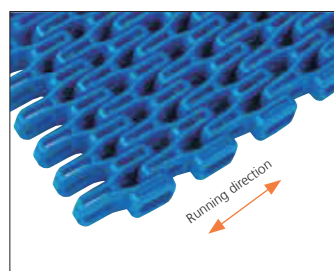
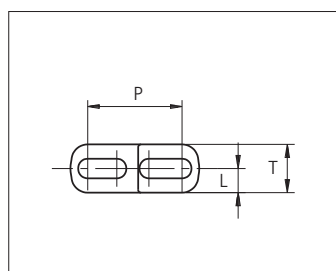
**uni Flex SNB CR R1.6**  
Surface Opening: 47%



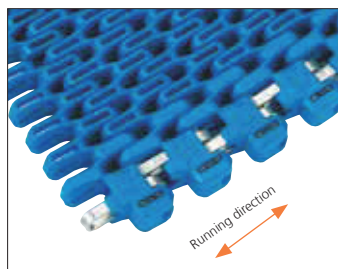
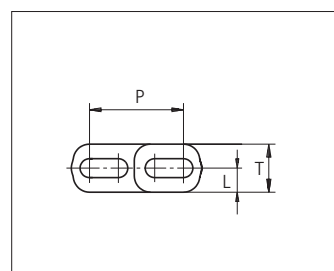
Sideflexing belt  
Nominal pitch: 25.4 mm (1.00 in)  
Surface type: Flat  
Surface opening: 47%/55%  
Backflex radius: 25.0 mm (0.98 in)  
Pin diameter: 5.0 mm (0.20 in)  
Min. inside radius: R1.6 x belt width. R2.3 x belt width



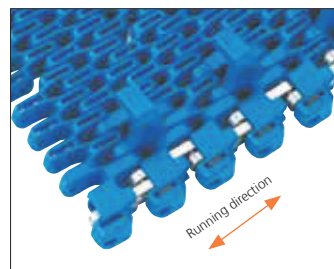
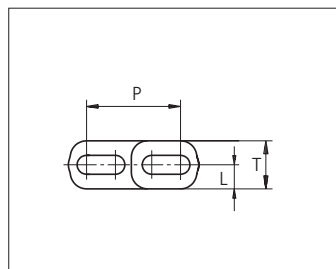
**uni Flex SNB C R2.3**  
Surface Opening: 47%



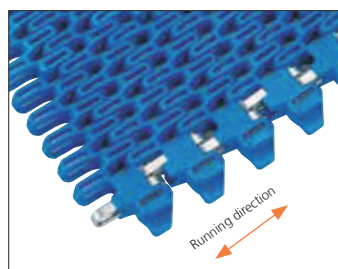
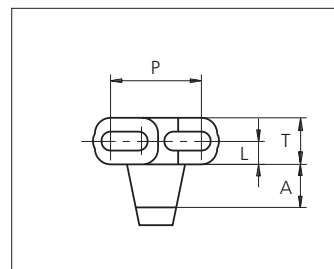
**uni Flex SNB L R2.3**  
Surface Opening: 55%



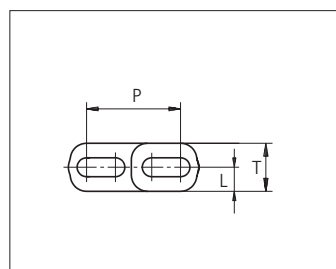
**uni Flex SNB W R2.3**  
Surface Opening: 55%



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



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

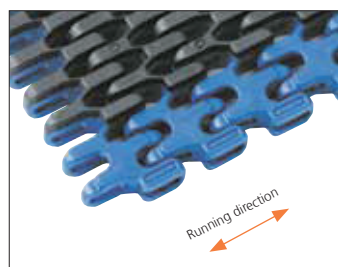


|                       | mm   | in   |          | mm   | in   |
|-----------------------|------|------|----------|------|------|
| <b>P</b><br>(Nominal) | 25.4 | 1.00 | <b>L</b> | 6.5  | 0.26 |
| <b>A</b>              | 12.0 | 0.47 | <b>T</b> | 13.0 | 0.51 |

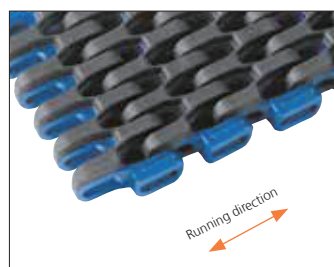
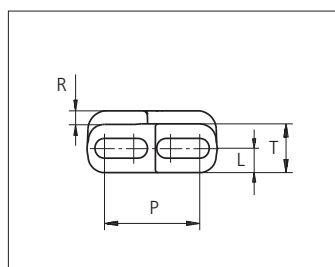
STANDARD

SIDE FLEXING

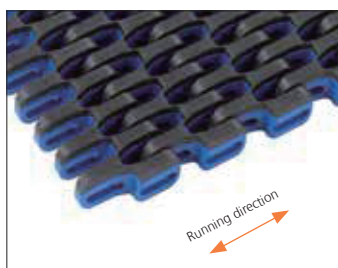
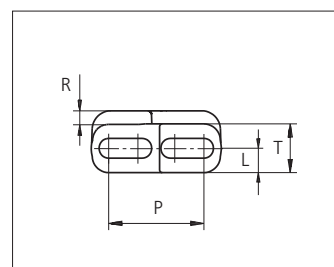
PITCH 25.4 MM/1.00 IN



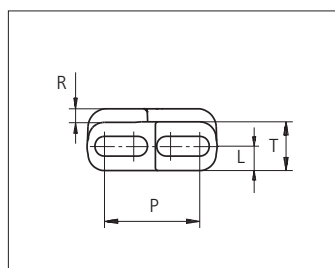
**uni Flex SNB CR Rubber Top R1.6**  
Surface Opening: 47%



**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   |
|--------------------|------|------|----------|------|------|
| <b>P (Nominal)</b> | 25.4 | 1.00 | <b>R</b> | 3.0  | 0.12 |
| <b>L</b>           | 6.5  | 0.26 | <b>T</b> | 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                                                                                                                                                                                                                                                                                                                                              |
|---------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>uni Flex SNB CR R1.6</b><br><b>uni Flex SNB C R2.3</b><br><b>uni Flex SNB L R2.3*</b>                                  | POM-D                                                                                          |  PBT                                                                                                                                                                                            |
|                                                                                                                           | PP                                                                                            |                                                                                                                                                                                                                                                                                                                                                                       |
|                                                                                                                           | PA6.6                                                                                        |                                                                                                                                                                                                                                                                                                                                                                       |
| <b>uni Flex SNB C R2.3</b>                                                                                                | POM-D                                                                                        |  SS304<br> SS304<br> PBT  |
| <b>uni Flex SNB W</b><br><b>uni Flex SNB WO</b>                                                                           | PA6.6                                                                                        |                                                                                                                                                                                                                                                                                                                                                                       |
| <b>uni Flex SNB WT</b>                                                                                                    | PA6.6                                                                                        |                                                                                                                                                                                                                                                                                                                                                                       |
| <b>uni Flex SNB CR Rubber Top R1.6</b><br><b>uni Flex SNB CI Rubber Top R2.3</b><br><b>uni Flex SNB C Rubber Top R2.3</b> | PP  + 03  |  PBT                                                                                                                                                                                            |
|                                                                                                                           | PP  + 03  |                                                                                                                                                                                                                                                                                                                                                                       |

#### Standard materials and colors

Lockingplates PP    
Wearpart and O-Tab PA6.6  

For high speed or load abrasive applications:

Wearpart and O-Tab POM-DK 

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

Alternative pin materials:  PA6.6  

## uni Flex SNB CR R1.6

| Belt width |      | Permissible tensile force<br>(Belt/pin material) |      |                   |     |                      |      |                   |     |                      |      |                   |     | Belt weight<br>(Belt/pin material) |       |        |       |           |       | *Min No.<br>drive<br>sprocket<br>per shaft | Number of wear<br>strips (Min. No.) |                   |
|------------|------|--------------------------------------------------|------|-------------------|-----|----------------------|------|-------------------|-----|----------------------|------|-------------------|-----|------------------------------------|-------|--------|-------|-----------|-------|--------------------------------------------|-------------------------------------|-------------------|
|            |      | POM-D/PBT                                        |      |                   |     | PP/PBT               |      |                   |     | PA6.6/PBT            |      |                   |     | POM-D<br>/PBT                      |       | PP/PBT |       | PA6.6/PBT |       |                                            | **Carry<br>(pcs)                    | **Return<br>(pcs) |
|            |      | Straight<br>sections                             |      | Curve<br>sections |     | Straight<br>sections |      | Curve<br>sections |     | Straight<br>sections |      | Curve<br>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 |                                            |                                     |                   |
| 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: 152.0 mm (6.00 in); Return: 304.0 mm (12.00 in).

## uni Flex SNB C R2.3 / uni Flex SNB L R2.3

| Belt width |      | Permissible tensile force<br>(Belt/pin material) |      |                   |     |                      |      |                   |     |                      |      |                   |     | Belt weight<br>(Belt/pin material) |       |        |       |           |       | *Min No.<br>drive<br>sprocket<br>per shaft | Number of wear<br>strips (Min. No.) |                   |
|------------|------|--------------------------------------------------|------|-------------------|-----|----------------------|------|-------------------|-----|----------------------|------|-------------------|-----|------------------------------------|-------|--------|-------|-----------|-------|--------------------------------------------|-------------------------------------|-------------------|
|            |      | POM-D/PBT                                        |      |                   |     | PP/PBT               |      |                   |     | PA6.6/PBT            |      |                   |     |                                    |       | PP/PBT |       | PA6.6/PBT |       |                                            | **Carry<br>(pcs)                    | **Return<br>(pcs) |
|            |      | Straight<br>sections                             |      | Curve<br>sections |     | Straight<br>sections |      | Curve<br>sections |     | Straight<br>sections |      | Curve<br>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 |                                            |                                     |                   |
| 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: 152.0 mm (6.00 in); Return: 304.0 mm (12.00 in)

uni Flex SNB W R2.3 / uni Flex SNB WO R2.3

| Belt width |      | Permissible tensile force<br>(Belt/pin material) |      |                   |     |                               |      |                   |     |                                  |      |                   |     | Belt weight<br>(Belt/pin material)    |       |                                    |       |                                  |       | *Min No.<br>drive<br>sprocket<br>per shaft | Number of wear<br>strips (Min. No.) |                   |
|------------|------|--------------------------------------------------|------|-------------------|-----|-------------------------------|------|-------------------|-----|----------------------------------|------|-------------------|-----|---------------------------------------|-------|------------------------------------|-------|----------------------------------|-------|--------------------------------------------|-------------------------------------|-------------------|
|            |      | POM-D/SS+<br>Reinforcement links                 |      |                   |     | PP/SS+<br>Reinforcement links |      |                   |     | PA6.6/SS+<br>Reinforcement links |      |                   |     | POM-D/SS+<br>Reinforce-<br>ment links |       | PP/SS+<br>Reinforce-<br>ment links |       | PA6.6/SS+<br>Reinforcement links |       |                                            | **Carry<br>(pcs)                    | **Return<br>(pcs) |
|            |      | Straight<br>sections                             |      | Curve<br>sections |     | Straight<br>sections          |      | Curve<br>sections |     | Straight<br>sections             |      | Curve<br>sections |     | kg/m                                  | lb/ft | kg/m                               | lb/ft | kg/m                             | lb/ft |                                            |                                     |                   |
| mm         | in   | N                                                | lbf  | N                 | lbf | N                             | lbf  | N                 | lbf | N                                | lbf  | N                 | lbf |                                       |       |                                    |       |                                  |       | kg/m                                       | lb/ft                               | kg/m              |
| 235        | 9.3  | 7050                                             | 1585 | 3300              | 742 | 3525                          | 792  | 3300              | 742 | 7050                             | 1585 | 3300              | 742 | 2.8                                   | 1.91  | 2.4                                | 1.58  | 2.6                              | 1.74  | 2                                          | 2                                   | 2                 |
| 311        | 12.2 | 9330                                             | 2097 | 3300              | 742 | 4665                          | 1049 | 3300              | 742 | 9330                             | 2097 | 3300              | 742 | 3.8                                   | 2.53  | 3.1                                | 2.09  | 3.4                              | 2.30  | 3                                          | 3                                   | 2                 |
| 387        | 15.2 | 11610                                            | 2610 | 3300              | 742 | 5805                          | 1305 | 3300              | 742 | 11610                            | 2610 | 3300              | 742 | 4.7                                   | 3.15  | 3.9                                | 2.60  | 4.3                              | 2.86  | 3                                          | 3                                   | 2                 |
| 463        | 18.2 | 13890                                            | 3122 | 3300              | 742 | 6945                          | 1561 | 3300              | 742 | 13890                            | 3122 | 3300              | 742 | 5.6                                   | 3.77  | 4.6                                | 3.11  | 5.1                              | 3.42  | 5                                          | 4                                   | 2                 |
| 540        | 21.3 | 16200                                            | 3642 | 3300              | 742 | 8100                          | 1821 | 3300              | 742 | 16200                            | 3642 | 3300              | 742 | 6.5                                   | 4.39  | 5.4                                | 3.63  | 5.9                              | 3.99  | 5                                          | 4                                   | 2                 |
| 616        | 24.3 | 18480                                            | 4154 | 3300              | 742 | 9240                          | 2077 | 3300              | 742 | 18480                            | 4154 | 3300              | 742 | 7.5                                   | 5.01  | 6.2                                | 4.14  | 6.8                              | 4.55  | 5                                          | 5                                   | 3                 |
| 692        | 27.2 | 20760                                            | 4667 | 3300              | 742 | 10380                         | 2333 | 3300              | 742 | 20760                            | 4667 | 3300              | 742 | 8.4                                   | 5.63  | 6.9                                | 4.65  | 7.6                              | 5.12  | 5                                          | 5                                   | 3                 |
| 768        | 30.2 | 23040                                            | 5179 | 3300              | 742 | 11520                         | 2590 | 3300              | 742 | 23040                            | 5179 | 3300              | 742 | 9.3                                   | 6.25  | 7.7                                | 5.16  | 8.4                              | 5.68  | 7                                          | 6                                   | 3                 |
| 844        | 33.2 | 25320                                            | 5692 | 3300              | 742 | 12660                         | 2846 | 3300              | 742 | 25320                            | 5692 | 3300              | 742 | 10.2                                  | 6.86  | 8.4                                | 5.67  | 9.3                              | 6.24  | 7                                          | 6                                   | 3                 |
| 920        | 36.2 | 27600                                            | 6204 | 3300              | 742 | 13800                         | 3102 | 3300              | 742 | 27600                            | 6204 | 3300              | 742 | 11.1                                  | 7.48  | 9.2                                | 6.18  | 10.1                             | 6.80  | 7                                          | 7                                   | 4                 |
| 996        | 39.2 | 29880                                            | 6717 | 3300              | 742 | 14940                         | 3359 | 3300              | 742 | 29880                            | 6717 | 3300              | 742 | 12.1                                  | 8.10  | 10.0                               | 6.69  | 11.0                             | 7.36  | 7                                          | 7                                   | 4                 |
| 1073       | 42.2 | 32190                                            | 7236 | 3300              | 742 | 16095                         | 3618 | 3300              | 742 | 32190                            | 7236 | 3300              | 742 | 13.0                                  | 8.73  | 10.7                               | 7.21  | 11.8                             | 7.93  | 9                                          | 8                                   | 4                 |
| 1149       | 45.2 | 34470                                            | 7749 | 3300              | 742 | 17235                         | 3874 | 3300              | 742 | 34470                            | 7749 | 3300              | 742 | 13.9                                  | 9.34  | 11.5                               | 7.72  | 12.6                             | 8.49  | 9                                          | 8                                   | 4                 |
| 1149       | 45.2 | 34470                                            | 7749 | 3300              | 742 | 17235                         | 3874 | 3300              | 742 | 34470                            | 7749 | 3300              | 742 | 13.9                                  | 9.34  | 11.5                               | 7.72  | 12.6                             | 8.49  | 9                                          | 8                                   | 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)

|      |      |       |       |      |     |       |      |      |     |       |       |      |     |      |       |      |       |      |       |    |    |   |
|------|------|-------|-------|------|-----|-------|------|------|-----|-------|-------|------|-----|------|-------|------|-------|------|-------|----|----|---|
| 1606 | 63.2 | 48180 | 10831 | 3300 | 742 | 24090 | 5415 | 3300 | 742 | 48180 | 10831 | 3300 | 742 | 19.4 | 13.06 | 16.1 | 10.79 | 17.7 | 11.87 | 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)

|      |      |       |       |      |     |       |      |      |     |       |       |      |     |      |       |      |       |      |       |    |    |   |
|------|------|-------|-------|------|-----|-------|------|------|-----|-------|-------|------|-----|------|-------|------|-------|------|-------|----|----|---|
| 1986 | 78.2 | 59580 | 13394 | 3300 | 742 | 29790 | 6697 | 3300 | 742 | 59580 | 13394 | 3300 | 742 | 24.0 | 16.15 | 19.9 | 13.35 | 21.8 | 14.68 | 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 234.0 mm (9.21 in).

Belts up to 234.0 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: 152.0 mm (6.00 in); Return: 304.0 mm (12.00 in).

uni Flex SNB WT R2.3 – PBT pins

| Belt width |      | Permissible tensile force<br>(Belt/pin material) |      |                   |     |                      |      |                   |     |                      |      |                   |     | Belt weight<br>(Belt/pin material) |       |        |       |           |       |                  |                   | *Min No.<br>drive<br>sprocket<br>per shaft | Number of wear<br>strips (Min. No.) |  |
|------------|------|--------------------------------------------------|------|-------------------|-----|----------------------|------|-------------------|-----|----------------------|------|-------------------|-----|------------------------------------|-------|--------|-------|-----------|-------|------------------|-------------------|--------------------------------------------|-------------------------------------|--|
|            |      | POM-D/PBT                                        |      |                   |     | PP/PBT               |      |                   |     | PA6.6/PBT            |      |                   |     | POM-D/PBT                          |       | PP/PBT |       | PA6.6/PBT |       | **Carry<br>(pcs) | **Return<br>(pcs) |                                            |                                     |  |
|            |      | Straight<br>sections                             |      | Curve<br>sections |     | Straight<br>sections |      | Curve<br>sections |     | Straight<br>sections |      | Curve<br>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 |                  |                   |                                            |                                     |  |
| 235        | 9.3  | 7050                                             | 1585 | 1000              | 225 | 3525                 | 792  | 1000              | 225 | 7050                 | 1585 | 1000              | 225 | 1.6                                | 1.09  | 1.1    | 0.76  | 1.4       | 0.92  | 2                | 2                 | 2                                          |                                     |  |
| 311        | 12.2 | 9330                                             | 2097 | 1000              | 225 | 4665                 | 1049 | 1000              | 225 | 9330                 | 2097 | 1000              | 225 | 2.1                                | 1.44  | 1.5    | 1.00  | 1.8       | 1.21  | 3                | 3                 | 2                                          |                                     |  |
| 387        | 15.2 | 11610                                            | 2610 | 1000              | 225 | 5805                 | 1305 | 1000              | 225 | 11610                | 2610 | 1000              | 225 | 2.7                                | 1.79  | 1.9    | 1.25  | 2.2       | 1.51  | 3                | 3                 | 2                                          |                                     |  |
| 463        | 18.2 | 13890                                            | 3122 | 1000              | 225 | 6945                 | 1561 | 1000              | 225 | 13890                | 3122 | 1000              | 225 | 3.2                                | 2.15  | 2.2    | 1.49  | 2.7       | 1.80  | 5                | 4                 | 2                                          |                                     |  |
| 540        | 21.3 | 16200                                            | 3642 | 1000              | 225 | 8100                 | 1821 | 1000              | 225 | 16200                | 3642 | 1000              | 225 | 3.7                                | 2.50  | 2.6    | 1.74  | 3.1       | 2.10  | 5                | 4                 | 2                                          |                                     |  |
| 616        | 24.3 | 18480                                            | 4154 | 1000              | 225 | 9240                 | 2077 | 1000              | 225 | 18480                | 4154 | 1000              | 225 | 4.3                                | 2.86  | 3.0    | 1.99  | 3.6       | 2.40  | 5                | 5                 | 3                                          |                                     |  |
| 692        | 27.2 | 20760                                            | 4667 | 1000              | 225 | 10380                | 2333 | 1000              | 225 | 20760                | 4667 | 1000              | 225 | 4.8                                | 3.21  | 3.3    | 2.23  | 4.0       | 2.70  | 5                | 5                 | 3                                          |                                     |  |
| 768        | 30.2 | 23040                                            | 5179 | 1000              | 225 | 11520                | 2590 | 1000              | 225 | 23040                | 5179 | 1000              | 225 | 5.3                                | 3.56  | 3.7    | 2.48  | 4.5       | 2.99  | 7                | 6                 | 3                                          |                                     |  |
| 844        | 33.2 | 25320                                            | 5692 | 1000              | 225 | 12660                | 2846 | 1000              | 225 | 25320                | 5692 | 1000              | 225 | 5.8                                | 3.91  | 4.1    | 2.72  | 4.9       | 3.29  | 7                | 6                 | 3                                          |                                     |  |
| 920        | 36.2 | 27600                                            | 6204 | 1000              | 225 | 13800                | 3102 | 1000              | 225 | 27600                | 6204 | 1000              | 225 | 6.3                                | 4.27  | 4.4    | 2.97  | 5.3       | 3.59  | 7                | 7                 | 4                                          |                                     |  |
| 996        | 39.2 | 29880                                            | 6717 | 1000              | 225 | 14940                | 3359 | 1000              | 225 | 29880                | 6717 | 1000              | 225 | 6.9                                | 4.62  | 4.8    | 3.21  | 5.8       | 3.88  | 7                | 7                 | 4                                          |                                     |  |
| 1073       | 42.2 | 32190                                            | 7236 | 1000              | 225 | 16095                | 3618 | 1000              | 225 | 32190                | 7236 | 1000              | 225 | 7.4                                | 4.98  | 5.2    | 3.46  | 6.2       | 4.18  | 9                | 8                 | 4                                          |                                     |  |
| 1149       | 45.2 | 34470                                            | 7749 | 1000              | 225 | 17235                | 3874 | 1000              | 225 | 34470                | 7749 | 1000              | 225 | 7.9                                | 5.33  | 5.5    | 3.71  | 6.7       | 4.48  | 9                | 8                 | 4                                          |                                     |  |
| 1225       | 48.2 | 36750                                            | 8261 | 1000              | 225 | 18375                | 4131 | 1000              | 225 | 36750                | 8261 | 1000              | 225 | 8.5                                | 5.68  | 5.9    | 3.95  | 7.1       | 4.77  | 9                | 9                 | 5                                          |                                     |  |

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).

|      |      |       |       |      |     |       |      |      |     |       |       |      |     |      |      |     |      |     |      |    |    |   |
|------|------|-------|-------|------|-----|-------|------|------|-----|-------|-------|------|-----|------|------|-----|------|-----|------|----|----|---|
| 1606 | 63.2 | 48180 | 10831 | 1000 | 225 | 24090 | 5415 | 1000 | 225 | 48180 | 10831 | 1000 | 225 | 11.1 | 7.45 | 7.7 | 5.18 | 9.3 | 6.26 | 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).

|      |      |       |       |      |     |       |      |      |     |       |       |      |     |      |      |     |      |      |      |    |    |   |
|------|------|-------|-------|------|-----|-------|------|------|-----|-------|-------|------|-----|------|------|-----|------|------|------|----|----|---|
| 1986 | 78.2 | 59580 | 13394 | 1000 | 225 | 29790 | 6697 | 1000 | 225 | 59580 | 13394 | 1000 | 225 | 13.7 | 9.21 | 9.5 | 6.41 | 11.5 | 7.74 | 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 234.0 mm (9.21 in).

Belts up to 234.0 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: 152.0 mm (6.00 in); Return: 304.0 mm (12.00 in).

## uni Flex SNB WT R2.3 – SS pins

| Belt width |      | Permissible tensile force<br>(Belt/pin material) |      |                   |     |                               |      |                   |     |                                  |      |                   |     | Belt weight<br>(Belt/pin material)    |       |                                    |       |                                       |       | *Min No.<br>drive<br>sprocket<br>per shaft | Number of wear<br>strips (Min. No.) |                   |
|------------|------|--------------------------------------------------|------|-------------------|-----|-------------------------------|------|-------------------|-----|----------------------------------|------|-------------------|-----|---------------------------------------|-------|------------------------------------|-------|---------------------------------------|-------|--------------------------------------------|-------------------------------------|-------------------|
|            |      | POM-D/SS<br>+Reinforcement links                 |      |                   |     | PP/SS<br>+Reinforcement links |      |                   |     | PA6.6/SS<br>+Reinforcement links |      |                   |     | POM-D/SS+<br>Reinforce-<br>ment links |       | PP/SS+<br>Reinforce-<br>ment links |       | PA6.6/SS+<br>Reinforce-<br>ment links |       |                                            | **Carry<br>(pcs)                    | **Return<br>(pcs) |
|            |      | Straight<br>sections                             |      | Curve<br>sections |     | Straight<br>sections          |      | Curve<br>sections |     | Straight<br>sections             |      | Curve<br>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 |                                            |                                     |                   |
| 235        | 9.3  | 7050                                             | 1585 | 3300              | 742 | 3525                          | 792  | 3300              | 742 | 7050                             | 1585 | 3300              | 742 | 2.8                                   | 1.91  | 2.4                                | 1.58  | 2.6                                   | 1.74  | 2                                          | 2                                   | 2                 |
| 311        | 12.2 | 9330                                             | 2097 | 3300              | 742 | 4665                          | 1049 | 3300              | 742 | 9330                             | 2097 | 3300              | 742 | 3.8                                   | 2.53  | 3.1                                | 2.09  | 3.4                                   | 2.30  | 3                                          | 3                                   | 2                 |
| 387        | 15.2 | 11610                                            | 2610 | 3300              | 742 | 5805                          | 1305 | 3300              | 742 | 11610                            | 2610 | 3300              | 742 | 4.7                                   | 3.15  | 3.9                                | 2.60  | 4.3                                   | 2.86  | 3                                          | 3                                   | 2                 |
| 463        | 18.2 | 13890                                            | 3122 | 3300              | 742 | 6945                          | 1561 | 3300              | 742 | 13890                            | 3122 | 3300              | 742 | 5.6                                   | 3.77  | 4.6                                | 3.11  | 5.1                                   | 3.42  | 5                                          | 4                                   | 2                 |
| 540        | 21.3 | 16200                                            | 3642 | 3300              | 742 | 8100                          | 1821 | 3300              | 742 | 16200                            | 3642 | 3300              | 742 | 6.5                                   | 4.39  | 5.4                                | 3.63  | 5.9                                   | 3.99  | 5                                          | 4                                   | 2                 |
| 616        | 24.3 | 18480                                            | 4154 | 3300              | 742 | 9240                          | 2077 | 3300              | 742 | 18480                            | 4154 | 3300              | 742 | 7.5                                   | 5.01  | 6.2                                | 4.14  | 6.8                                   | 4.55  | 5                                          | 5                                   | 3                 |
| 692        | 27.2 | 20760                                            | 4667 | 3300              | 742 | 10380                         | 2333 | 3300              | 742 | 20760                            | 4667 | 3300              | 742 | 8.4                                   | 5.63  | 6.9                                | 4.65  | 7.6                                   | 5.12  | 5                                          | 5                                   | 3                 |
| 768        | 30.2 | 23040                                            | 5179 | 3300              | 742 | 11520                         | 2590 | 3300              | 742 | 23040                            | 5179 | 3300              | 742 | 9.3                                   | 6.25  | 7.7                                | 5.16  | 8.4                                   | 5.68  | 7                                          | 6                                   | 3                 |
| 844        | 33.2 | 25320                                            | 5692 | 3300              | 742 | 12660                         | 2846 | 3300              | 742 | 25320                            | 5692 | 3300              | 742 | 10.2                                  | 6.86  | 8.4                                | 5.67  | 9.3                                   | 6.24  | 7                                          | 6                                   | 3                 |
| 920        | 36.2 | 27600                                            | 6204 | 3300              | 742 | 13800                         | 3102 | 3300              | 742 | 27600                            | 6204 | 3300              | 742 | 11.1                                  | 7.48  | 9.2                                | 6.18  | 10.1                                  | 6.80  | 7                                          | 7                                   | 4                 |
| 996        | 39.2 | 29880                                            | 6717 | 3300              | 742 | 14940                         | 3359 | 3300              | 742 | 29880                            | 6717 | 3300              | 742 | 12.1                                  | 8.10  | 10.0                               | 6.69  | 11.0                                  | 7.36  | 7                                          | 7                                   | 4                 |
| 1073       | 42.2 | 32190                                            | 7236 | 3300              | 742 | 16095                         | 3618 | 3300              | 742 | 32190                            | 7236 | 3300              | 742 | 13.0                                  | 8.73  | 10.7                               | 7.21  | 11.8                                  | 7.93  | 9                                          | 8                                   | 4                 |
| 1149       | 45.2 | 34470                                            | 7749 | 3300              | 742 | 17235                         | 3874 | 3300              | 742 | 34470                            | 7749 | 3300              | 742 | 13.9                                  | 9.34  | 11.5                               | 7.72  | 12.6                                  | 8.49  | 9                                          | 8                                   | 4                 |
| 1225       | 48.2 | 36750                                            | 8261 | 3300              | 742 | 18375                         | 4131 | 3300              | 742 | 36750                            | 8261 | 3300              | 742 | 14.8                                  | 9.96  | 12.3                               | 8.23  | 13.5                                  | 9.06  | 9                                          | 9                                   | 5                 |

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).

|      |      |       |       |      |     |       |      |      |     |       |       |      |     |      |       |      |       |      |       |    |    |   |
|------|------|-------|-------|------|-----|-------|------|------|-----|-------|-------|------|-----|------|-------|------|-------|------|-------|----|----|---|
| 1606 | 63.2 | 48180 | 10831 | 3300 | 742 | 24090 | 5415 | 3300 | 742 | 48180 | 10831 | 3300 | 742 | 19.4 | 13.06 | 16.1 | 10.79 | 17.7 | 11.87 | 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).

|      |      |       |       |      |     |       |      |      |     |       |       |      |     |      |       |      |       |      |       |    |    |   |
|------|------|-------|-------|------|-----|-------|------|------|-----|-------|-------|------|-----|------|-------|------|-------|------|-------|----|----|---|
| 1986 | 78.2 | 59580 | 13394 | 3300 | 742 | 29790 | 6697 | 3300 | 742 | 59580 | 13394 | 3300 | 742 | 24.0 | 16.15 | 19.9 | 13.35 | 21.8 | 14.68 | 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.

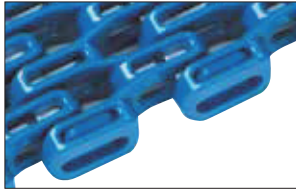
Outer modules are always in PA6.6 on belts wider than 234.0 mm (9.21 in).

Belts up to 234.0 mm (9.21 in) in width is only available in PA6.6.

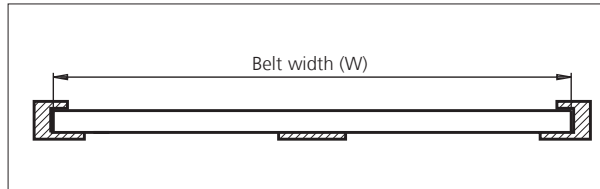
\*Max. Load per Drive Sprocket. Belt material: POM-D 1000 N (225 lbf). PP 850 N (191 lbf). PA6.6 1000 N (225 lbf).

\*\*Max. Spacing between wear strips. Carry: 152.0 mm (6 in); Return: 304.0 mm (12 in).

## Belt Tracking og Control Systems



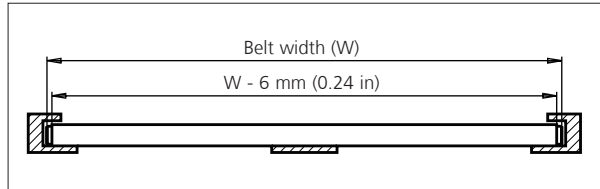
**uni Flex SNB L R2.3**  
Standard



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.



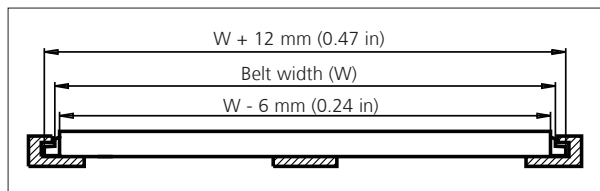
**Wearpart**



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.



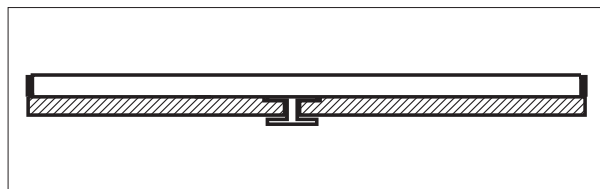
**O-Tab**



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)



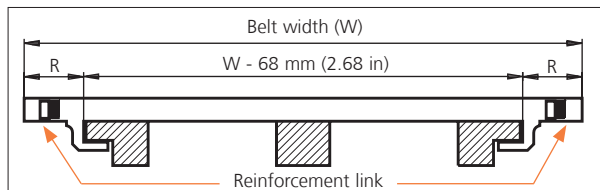
**I-Tab**



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).



**S-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).

| 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).

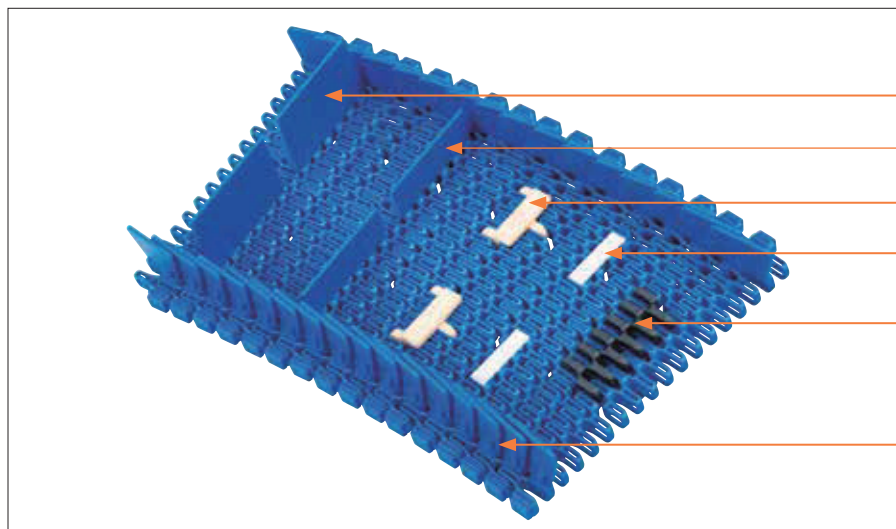
When using square shafts, please verify that the diagonal does not exceed max. diameter.

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

✓ Standard + Optional

- Unavailable

## Accessories



- Click on Flight 50.8 mm (2.00 in)
- Click on Flight 25.4 mm (1.00 in)
- Rubber Support: Made-To-Order
- Click on Flight Low: Made-To-Order
- Rubber Top
- Side Guard

## Accessories

### Side Guard / Standard

| Type       | Belt material & color                                                                                                                                                        | Height |      |
|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|------|
|            |                                                                                                                                                                              | mm     | in   |
| Side Guard | PP-I <span style="background-color: #0056b3; color: white; padding: 0 2px;">B</span> <span style="background-color: white; border: 1px solid black; padding: 0 2px;"></span> | 30.0   | 1.18 |

## Accessories

### Flight / Standard

| Type                 | Belt material & color                                                                                                                                                         | Link size | Height |      | Width |      |
|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|--------|------|-------|------|
|                      |                                                                                                                                                                               |           | mm     | in   | mm    | in   |
| Click on Flight Flat | PA6.6 <span style="background-color: #0056b3; color: white; padding: 0 2px;">B</span> <span style="background-color: white; border: 1px solid black; padding: 0 2px;"></span> | K300      | 25.4   | 1.00 | 75.9  | 2.99 |
|                      | PP <span style="background-color: #0056b3; color: white; padding: 0 2px;">B</span> <span style="background-color: white; border: 1px solid black; padding: 0 2px;"></span>    |           | 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 <span style="background-color: #ffff00; border: 1px solid black; padding: 0 2px;">N</span>    | 4.0 | 0.16 | 43.0  | 1.69 | 14.0   | 0.55 |
| Click on Flight Low | POM-D <span style="background-color: #ffff00; border: 1px solid black; padding: 0 2px;">N</span> | 4.0 | 0.16 | 42.0  | 1.65 | 10.5   | 0.41 |

## Accessories

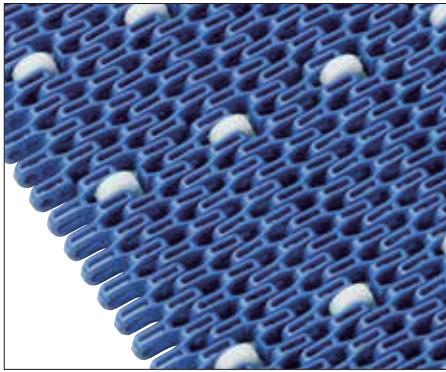
### Minimum Indents (I)

| 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 |

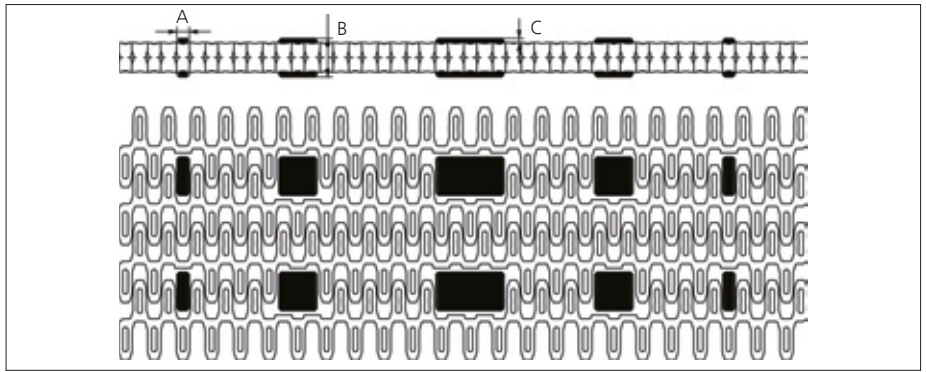
\* Even distance between Click on Flight rows

\*\* Odd distance between Click on Flight rows

## Made-To-Order Selection



**uni Flex SNB with Rollers**  
 $\varnothing 17 \times 5.5 \text{ mm}$  ( $\varnothing 0.67 \times 0.22 \text{ in}$ )



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

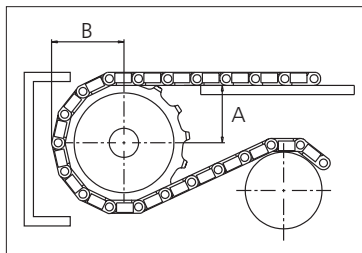
| Type    | Roller material & color                                                                 | A    |      | B    |      | C   |      |
|---------|-----------------------------------------------------------------------------------------|------|------|------|------|-----|------|
|         |                                                                                         | mm   | in   | mm   | in   | mm  | in   |
| Plastic | POM-D  | 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 |  PAG |  PAG |
|--------------|------------|------|------|------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|------|------------------|------|----------------|------|--------------|------|-------------|------|-------------|------|--------------------|--------------------|-----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
|              | Pilot Bore | in   | 0.75 | 0.79 | 0.98                                                                              | 1.00                                                                              | 1.18                                                                                | 1.25                                                                                | 1.50                                                                                | 1.57                                                                                | 2.36                                                                                | 2.50 |                  |      |                |      |              |      |             |      |             |      |                    |                    |                                                                                         |                                                                                         |
|              | 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   |             |      |                    |                    |                                                                                         |                                                                                         |
| 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).

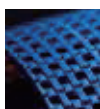
Max. load per sprocket shown does not take bore size into account.  
 Please also ensure that sufficient size shaft is chosen for corresponding load.  
 For correct sprocket position: See uni Assembly Instructions for uni Flex ASB.  
 For more detailed sprocket information, contact Customer Service.



Conveyor Belts



Seamless Belts



Modular Belts



Timing Belts



Transmission Belts

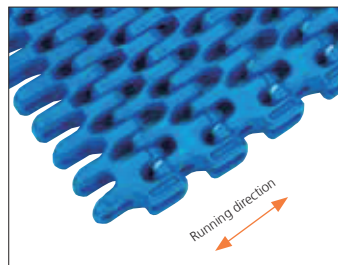


Fabrication & service

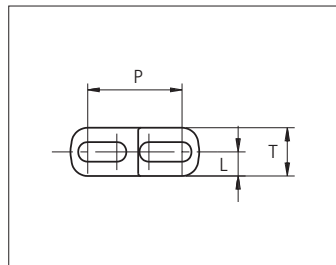
Expert advice, quality solutions and local service for all your belting needs  
[www.unichains.com](http://www.unichains.com)

# Plastic Modular Belt

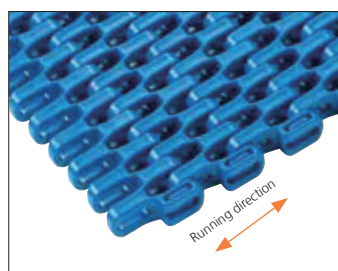
Series **uni Flex SNB**



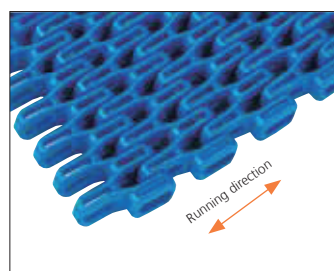
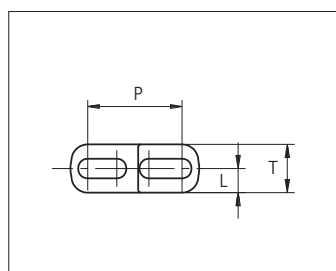
**uni Flex SNB CR R1.6**  
Surface Opening: 47%



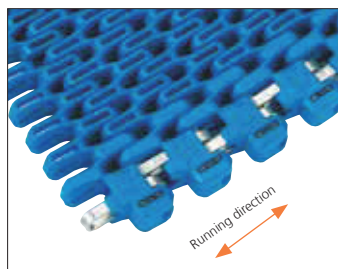
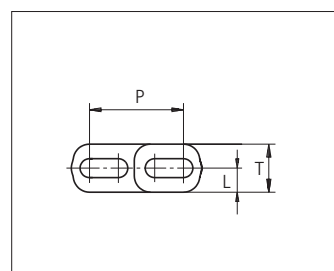
Sideflexing belt  
Nominal pitch: 25.4 mm (1.00 in)  
Surface type: Flat  
Surface opening: 47%/55%  
Backflex radius: 25.0 mm (0.98 in)  
Pin diameter: 5.0 mm (0.20 in)  
Min. inside radius: R1.6 x belt width. R2.3 x belt width



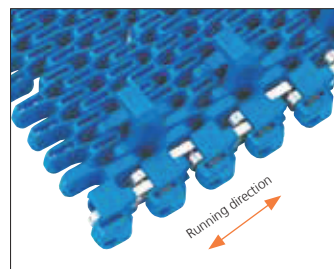
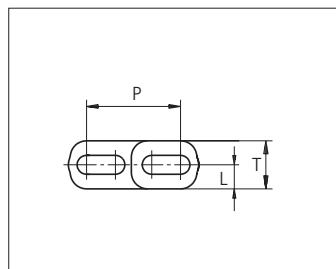
**uni Flex SNB C R2.3**  
Surface Opening: 47%



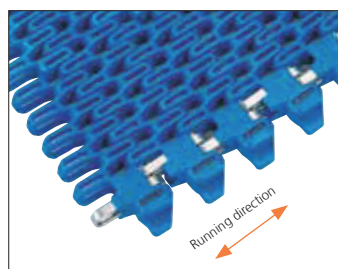
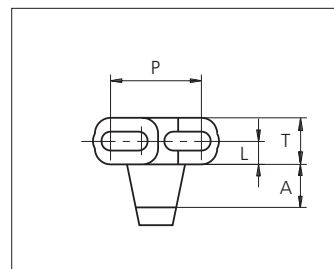
**uni Flex SNB L R2.3**  
Surface Opening: 55%



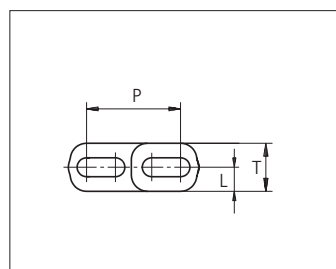
**uni Flex SNB W R2.3**  
Surface Opening: 55%



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



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

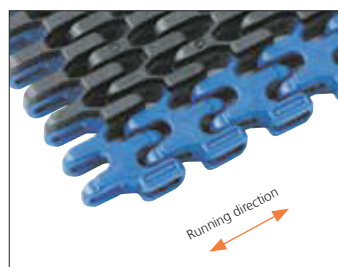


|                       | mm   | in   |          | mm   | in   |
|-----------------------|------|------|----------|------|------|
| <b>P</b><br>(Nominal) | 25.4 | 1.00 | <b>L</b> | 6.5  | 0.26 |
| <b>A</b>              | 12.0 | 0.47 | <b>T</b> | 13.0 | 0.51 |

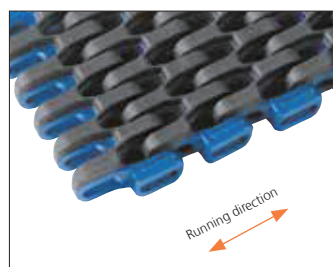
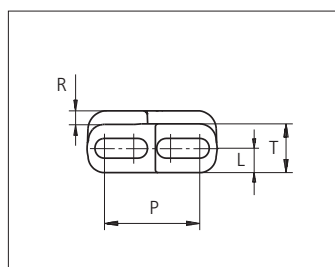
STANDARD

SIDE FLEXING

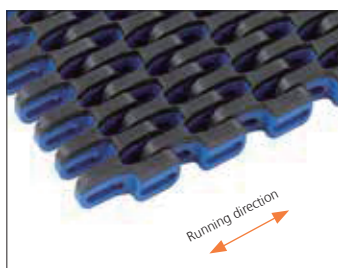
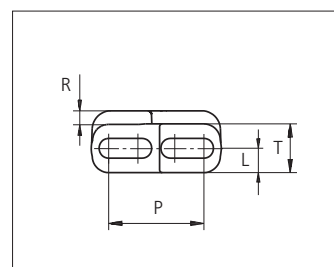
PITCH 25.4 MM/1.00 IN



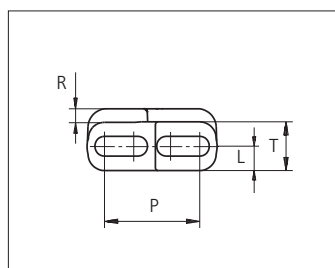
**uni Flex SNB CR Rubber Top R1.6**  
Surface Opening: 47%



**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   |
|-----------------------|------|------|----------|------|------|
| <b>P</b><br>(Nominal) | 25.4 | 1.00 | <b>R</b> | 3.0  | 0.12 |
| <b>L</b>              | 6.5  | 0.26 | <b>T</b> | 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                                                                                                                                                                                                                                                                                                                                              |
|---------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>uni Flex SNB CR R1.6</b><br><b>uni Flex SNB C R2.3</b><br><b>uni Flex SNB L R2.3*</b>                                  | POM-D                                                                                          |  PBT                                                                                                                                                                                            |
|                                                                                                                           | PP                                                                                            |                                                                                                                                                                                                                                                                                                                                                                       |
|                                                                                                                           | PA6.6                                                                                        |                                                                                                                                                                                                                                                                                                                                                                       |
| <b>uni Flex SNB C R2.3</b>                                                                                                | POM-D                                                                                        |  SS304<br> SS304<br> PBT  |
| <b>uni Flex SNB W</b><br><b>uni Flex SNB WO</b>                                                                           | PA6.6                                                                                        |                                                                                                                                                                                                                                                                                                                                                                       |
| <b>uni Flex SNB WT</b>                                                                                                    | PA6.6                                                                                        |                                                                                                                                                                                                                                                                                                                                                                       |
| <b>uni Flex SNB CR Rubber Top R1.6</b><br><b>uni Flex SNB CI Rubber Top R2.3</b><br><b>uni Flex SNB C Rubber Top R2.3</b> | PP  + 03  |  PBT                                                                                                                                                                                            |
|                                                                                                                           | PP  + 03  |                                                                                                                                                                                                                                                                                                                                                                       |

#### Standard materials and colors

Lockingplates PP    
Wearpart and O-Tab PA6.6  

For high speed or load abrasive applications:

Wearpart and O-Tab POM-DK 

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

Alternative pin materials:  PA6.6  

## uni Flex SNB CR R1.6

| Belt width |      | Permissible tensile force<br>(Belt/pin material) |      |                   |     |                      |      |                   |     |                      |      |                   |     | Belt weight<br>(Belt/pin material) |       |        |       |           |       | *Min No.<br>drive<br>sprocket<br>per shaft | Number of wear<br>strips (Min. No.) |                   |
|------------|------|--------------------------------------------------|------|-------------------|-----|----------------------|------|-------------------|-----|----------------------|------|-------------------|-----|------------------------------------|-------|--------|-------|-----------|-------|--------------------------------------------|-------------------------------------|-------------------|
|            |      | POM-D/PBT                                        |      |                   |     | PP/PBT               |      |                   |     | PA6.6/PBT            |      |                   |     | POM-D<br>/PBT                      |       | PP/PBT |       | PA6.6/PBT |       |                                            | **Carry<br>(pcs)                    | **Return<br>(pcs) |
|            |      | Straight<br>sections                             |      | Curve<br>sections |     | Straight<br>sections |      | Curve<br>sections |     | Straight<br>sections |      | Curve<br>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 |                                            |                                     |                   |
| 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: 152.0 mm (6.00 in); Return: 304.0 mm (12.00 in).

## uni Flex SNB C R2.3 / uni Flex SNB L R2.3

| Belt width |      | Permissible tensile force<br>(Belt/pin material) |      |                   |     |                      |      |                   |     |                      |      |                   |     | Belt weight<br>(Belt/pin material) |       |        |       |           |       | *Min No.<br>drive<br>sprocket<br>per shaft | Number of wear<br>strips (Min. No.) |                   |
|------------|------|--------------------------------------------------|------|-------------------|-----|----------------------|------|-------------------|-----|----------------------|------|-------------------|-----|------------------------------------|-------|--------|-------|-----------|-------|--------------------------------------------|-------------------------------------|-------------------|
|            |      | POM-D/PBT                                        |      |                   |     | PP/PBT               |      |                   |     | PA6.6/PBT            |      |                   |     |                                    |       | PP/PBT |       | PA6.6/PBT |       |                                            | **Carry<br>(pcs)                    | **Return<br>(pcs) |
|            |      | Straight<br>sections                             |      | Curve<br>sections |     | Straight<br>sections |      | Curve<br>sections |     | Straight<br>sections |      | Curve<br>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 |                                            |                                     |                   |
| 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: 152.0 mm (6.00 in); Return: 304.0 mm (12.00 in)

uni Flex SNB W R2.3 / uni Flex SNB WO R2.3

| Belt width |      | Permissible tensile force<br>(Belt/pin material) |      |                   |     |                               |      |                   |     |                                  |      |                   |     | Belt weight<br>(Belt/pin material)    |       |                                    |       |                                  |       | *Min No.<br>drive<br>sprocket<br>per shaft | Number of wear<br>strips (Min. No.) |                   |
|------------|------|--------------------------------------------------|------|-------------------|-----|-------------------------------|------|-------------------|-----|----------------------------------|------|-------------------|-----|---------------------------------------|-------|------------------------------------|-------|----------------------------------|-------|--------------------------------------------|-------------------------------------|-------------------|
|            |      | POM-D/SS+<br>Reinforcement links                 |      |                   |     | PP/SS+<br>Reinforcement links |      |                   |     | PA6.6/SS+<br>Reinforcement links |      |                   |     | POM-D/SS+<br>Reinforce-<br>ment links |       | PP/SS+<br>Reinforce-<br>ment links |       | PA6.6/SS+<br>Reinforcement links |       |                                            | **Carry<br>(pcs)                    | **Return<br>(pcs) |
|            |      | Straight<br>sections                             |      | Curve<br>sections |     | Straight<br>sections          |      | Curve<br>sections |     | Straight<br>sections             |      | Curve<br>sections |     | kg/m                                  | lb/ft | kg/m                               | lb/ft | kg/m                             | lb/ft |                                            |                                     |                   |
| mm         | in   | N                                                | lbf  | N                 | lbf | N                             | lbf  | N                 | lbf | N                                | lbf  | N                 | lbf |                                       |       |                                    |       |                                  |       | kg/m                                       | lb/ft                               | kg/m              |
| 235        | 9.3  | 7050                                             | 1585 | 3300              | 742 | 3525                          | 792  | 3300              | 742 | 7050                             | 1585 | 3300              | 742 | 2.8                                   | 1.91  | 2.4                                | 1.58  | 2.6                              | 1.74  | 2                                          | 2                                   | 2                 |
| 311        | 12.2 | 9330                                             | 2097 | 3300              | 742 | 4665                          | 1049 | 3300              | 742 | 9330                             | 2097 | 3300              | 742 | 3.8                                   | 2.53  | 3.1                                | 2.09  | 3.4                              | 2.30  | 3                                          | 3                                   | 2                 |
| 387        | 15.2 | 11610                                            | 2610 | 3300              | 742 | 5805                          | 1305 | 3300              | 742 | 11610                            | 2610 | 3300              | 742 | 4.7                                   | 3.15  | 3.9                                | 2.60  | 4.3                              | 2.86  | 3                                          | 3                                   | 2                 |
| 463        | 18.2 | 13890                                            | 3122 | 3300              | 742 | 6945                          | 1561 | 3300              | 742 | 13890                            | 3122 | 3300              | 742 | 5.6                                   | 3.77  | 4.6                                | 3.11  | 5.1                              | 3.42  | 5                                          | 4                                   | 2                 |
| 540        | 21.3 | 16200                                            | 3642 | 3300              | 742 | 8100                          | 1821 | 3300              | 742 | 16200                            | 3642 | 3300              | 742 | 6.5                                   | 4.39  | 5.4                                | 3.63  | 5.9                              | 3.99  | 5                                          | 4                                   | 2                 |
| 616        | 24.3 | 18480                                            | 4154 | 3300              | 742 | 9240                          | 2077 | 3300              | 742 | 18480                            | 4154 | 3300              | 742 | 7.5                                   | 5.01  | 6.2                                | 4.14  | 6.8                              | 4.55  | 5                                          | 5                                   | 3                 |
| 692        | 27.2 | 20760                                            | 4667 | 3300              | 742 | 10380                         | 2333 | 3300              | 742 | 20760                            | 4667 | 3300              | 742 | 8.4                                   | 5.63  | 6.9                                | 4.65  | 7.6                              | 5.12  | 5                                          | 5                                   | 3                 |
| 768        | 30.2 | 23040                                            | 5179 | 3300              | 742 | 11520                         | 2590 | 3300              | 742 | 23040                            | 5179 | 3300              | 742 | 9.3                                   | 6.25  | 7.7                                | 5.16  | 8.4                              | 5.68  | 7                                          | 6                                   | 3                 |
| 844        | 33.2 | 25320                                            | 5692 | 3300              | 742 | 12660                         | 2846 | 3300              | 742 | 25320                            | 5692 | 3300              | 742 | 10.2                                  | 6.86  | 8.4                                | 5.67  | 9.3                              | 6.24  | 7                                          | 6                                   | 3                 |
| 920        | 36.2 | 27600                                            | 6204 | 3300              | 742 | 13800                         | 3102 | 3300              | 742 | 27600                            | 6204 | 3300              | 742 | 11.1                                  | 7.48  | 9.2                                | 6.18  | 10.1                             | 6.80  | 7                                          | 7                                   | 4                 |
| 996        | 39.2 | 29880                                            | 6717 | 3300              | 742 | 14940                         | 3359 | 3300              | 742 | 29880                            | 6717 | 3300              | 742 | 12.1                                  | 8.10  | 10.0                               | 6.69  | 11.0                             | 7.36  | 7                                          | 7                                   | 4                 |
| 1073       | 42.2 | 32190                                            | 7236 | 3300              | 742 | 16095                         | 3618 | 3300              | 742 | 32190                            | 7236 | 3300              | 742 | 13.0                                  | 8.73  | 10.7                               | 7.21  | 11.8                             | 7.93  | 9                                          | 8                                   | 4                 |
| 1149       | 45.2 | 34470                                            | 7749 | 3300              | 742 | 17235                         | 3874 | 3300              | 742 | 34470                            | 7749 | 3300              | 742 | 13.9                                  | 9.34  | 11.5                               | 7.72  | 12.6                             | 8.49  | 9                                          | 8                                   | 4                 |
| 1149       | 45.2 | 34470                                            | 7749 | 3300              | 742 | 17235                         | 3874 | 3300              | 742 | 34470                            | 7749 | 3300              | 742 | 13.9                                  | 9.34  | 11.5                               | 7.72  | 12.6                             | 8.49  | 9                                          | 8                                   | 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)

|      |      |       |       |      |     |       |      |      |     |       |       |      |     |      |       |      |       |      |       |    |    |   |
|------|------|-------|-------|------|-----|-------|------|------|-----|-------|-------|------|-----|------|-------|------|-------|------|-------|----|----|---|
| 1606 | 63.2 | 48180 | 10831 | 3300 | 742 | 24090 | 5415 | 3300 | 742 | 48180 | 10831 | 3300 | 742 | 19.4 | 13.06 | 16.1 | 10.79 | 17.7 | 11.87 | 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)

|      |      |       |       |      |     |       |      |      |     |       |       |      |     |      |       |      |       |      |       |    |    |   |
|------|------|-------|-------|------|-----|-------|------|------|-----|-------|-------|------|-----|------|-------|------|-------|------|-------|----|----|---|
| 1986 | 78.2 | 59580 | 13394 | 3300 | 742 | 29790 | 6697 | 3300 | 742 | 59580 | 13394 | 3300 | 742 | 24.0 | 16.15 | 19.9 | 13.35 | 21.8 | 14.68 | 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 234.0 mm (9.21 in).

Belts up to 234.0 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: 152.0 mm (6.00 in); Return: 304.0 mm (12.00 in).

uni Flex SNB WT R2.3 – PBT pins

| Belt width |      | Permissible tensile force<br>(Belt/pin material) |      |                   |     |                      |      |                   |     |                      |      |                   |     | Belt weight<br>(Belt/pin material) |       |        |       |           |       |                  |                   | *Min No.<br>drive<br>sprocket<br>per shaft | Number of wear<br>strips (Min. No.) |  |
|------------|------|--------------------------------------------------|------|-------------------|-----|----------------------|------|-------------------|-----|----------------------|------|-------------------|-----|------------------------------------|-------|--------|-------|-----------|-------|------------------|-------------------|--------------------------------------------|-------------------------------------|--|
|            |      | POM-D/PBT                                        |      |                   |     | PP/PBT               |      |                   |     | PA6.6/PBT            |      |                   |     | POM-D/PBT                          |       | PP/PBT |       | PA6.6/PBT |       | **Carry<br>(pcs) | **Return<br>(pcs) |                                            |                                     |  |
|            |      | Straight<br>sections                             |      | Curve<br>sections |     | Straight<br>sections |      | Curve<br>sections |     | Straight<br>sections |      | Curve<br>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 |                  |                   |                                            |                                     |  |
| 235        | 9.3  | 7050                                             | 1585 | 1000              | 225 | 3525                 | 792  | 1000              | 225 | 7050                 | 1585 | 1000              | 225 | 1.6                                | 1.09  | 1.1    | 0.76  | 1.4       | 0.92  | 2                | 2                 | 2                                          |                                     |  |
| 311        | 12.2 | 9330                                             | 2097 | 1000              | 225 | 4665                 | 1049 | 1000              | 225 | 9330                 | 2097 | 1000              | 225 | 2.1                                | 1.44  | 1.5    | 1.00  | 1.8       | 1.21  | 3                | 3                 | 2                                          |                                     |  |
| 387        | 15.2 | 11610                                            | 2610 | 1000              | 225 | 5805                 | 1305 | 1000              | 225 | 11610                | 2610 | 1000              | 225 | 2.7                                | 1.79  | 1.9    | 1.25  | 2.2       | 1.51  | 3                | 3                 | 2                                          |                                     |  |
| 463        | 18.2 | 13890                                            | 3122 | 1000              | 225 | 6945                 | 1561 | 1000              | 225 | 13890                | 3122 | 1000              | 225 | 3.2                                | 2.15  | 2.2    | 1.49  | 2.7       | 1.80  | 5                | 4                 | 2                                          |                                     |  |
| 540        | 21.3 | 16200                                            | 3642 | 1000              | 225 | 8100                 | 1821 | 1000              | 225 | 16200                | 3642 | 1000              | 225 | 3.7                                | 2.50  | 2.6    | 1.74  | 3.1       | 2.10  | 5                | 4                 | 2                                          |                                     |  |
| 616        | 24.3 | 18480                                            | 4154 | 1000              | 225 | 9240                 | 2077 | 1000              | 225 | 18480                | 4154 | 1000              | 225 | 4.3                                | 2.86  | 3.0    | 1.99  | 3.6       | 2.40  | 5                | 5                 | 3                                          |                                     |  |
| 692        | 27.2 | 20760                                            | 4667 | 1000              | 225 | 10380                | 2333 | 1000              | 225 | 20760                | 4667 | 1000              | 225 | 4.8                                | 3.21  | 3.3    | 2.23  | 4.0       | 2.70  | 5                | 5                 | 3                                          |                                     |  |
| 768        | 30.2 | 23040                                            | 5179 | 1000              | 225 | 11520                | 2590 | 1000              | 225 | 23040                | 5179 | 1000              | 225 | 5.3                                | 3.56  | 3.7    | 2.48  | 4.5       | 2.99  | 7                | 6                 | 3                                          |                                     |  |
| 844        | 33.2 | 25320                                            | 5692 | 1000              | 225 | 12660                | 2846 | 1000              | 225 | 25320                | 5692 | 1000              | 225 | 5.8                                | 3.91  | 4.1    | 2.72  | 4.9       | 3.29  | 7                | 6                 | 3                                          |                                     |  |
| 920        | 36.2 | 27600                                            | 6204 | 1000              | 225 | 13800                | 3102 | 1000              | 225 | 27600                | 6204 | 1000              | 225 | 6.3                                | 4.27  | 4.4    | 2.97  | 5.3       | 3.59  | 7                | 7                 | 4                                          |                                     |  |
| 996        | 39.2 | 29880                                            | 6717 | 1000              | 225 | 14940                | 3359 | 1000              | 225 | 29880                | 6717 | 1000              | 225 | 6.9                                | 4.62  | 4.8    | 3.21  | 5.8       | 3.88  | 7                | 7                 | 4                                          |                                     |  |
| 1073       | 42.2 | 32190                                            | 7236 | 1000              | 225 | 16095                | 3618 | 1000              | 225 | 32190                | 7236 | 1000              | 225 | 7.4                                | 4.98  | 5.2    | 3.46  | 6.2       | 4.18  | 9                | 8                 | 4                                          |                                     |  |
| 1149       | 45.2 | 34470                                            | 7749 | 1000              | 225 | 17235                | 3874 | 1000              | 225 | 34470                | 7749 | 1000              | 225 | 7.9                                | 5.33  | 5.5    | 3.71  | 6.7       | 4.48  | 9                | 8                 | 4                                          |                                     |  |
| 1225       | 48.2 | 36750                                            | 8261 | 1000              | 225 | 18375                | 4131 | 1000              | 225 | 36750                | 8261 | 1000              | 225 | 8.5                                | 5.68  | 5.9    | 3.95  | 7.1       | 4.77  | 9                | 9                 | 5                                          |                                     |  |

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).

|      |      |       |       |      |     |       |      |      |     |       |       |      |     |      |      |     |      |     |      |    |    |   |
|------|------|-------|-------|------|-----|-------|------|------|-----|-------|-------|------|-----|------|------|-----|------|-----|------|----|----|---|
| 1606 | 63.2 | 48180 | 10831 | 1000 | 225 | 24090 | 5415 | 1000 | 225 | 48180 | 10831 | 1000 | 225 | 11.1 | 7.45 | 7.7 | 5.18 | 9.3 | 6.26 | 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).

|      |      |       |       |      |     |       |      |      |     |       |       |      |     |      |      |     |      |      |      |    |    |   |
|------|------|-------|-------|------|-----|-------|------|------|-----|-------|-------|------|-----|------|------|-----|------|------|------|----|----|---|
| 1986 | 78.2 | 59580 | 13394 | 1000 | 225 | 29790 | 6697 | 1000 | 225 | 59580 | 13394 | 1000 | 225 | 13.7 | 9.21 | 9.5 | 6.41 | 11.5 | 7.74 | 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 234.0 mm (9.21 in).

Belts up to 234.0 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: 152.0 mm (6.00 in); Return: 304.0 mm (12.00 in).

## uni Flex SNB WT R2.3 – SS pins

| Belt width |      | Permissible tensile force<br>(Belt/pin material) |      |                   |     |                               |      |                   |     |                                  |      |                   |     | Belt weight<br>(Belt/pin material)    |       |                                    |       |                                       |       | *Min No.<br>drive<br>sprocket<br>per shaft | Number of wear<br>strips (Min. No.) |                   |
|------------|------|--------------------------------------------------|------|-------------------|-----|-------------------------------|------|-------------------|-----|----------------------------------|------|-------------------|-----|---------------------------------------|-------|------------------------------------|-------|---------------------------------------|-------|--------------------------------------------|-------------------------------------|-------------------|
|            |      | POM-D/SS<br>+Reinforcement links                 |      |                   |     | PP/SS<br>+Reinforcement links |      |                   |     | PA6.6/SS<br>+Reinforcement links |      |                   |     | POM-D/SS+<br>Reinforce-<br>ment links |       | PP/SS+<br>Reinforce-<br>ment links |       | PA6.6/SS+<br>Reinforce-<br>ment links |       |                                            | **Carry<br>(pcs)                    | **Return<br>(pcs) |
|            |      | Straight<br>sections                             |      | Curve<br>sections |     | Straight<br>sections          |      | Curve<br>sections |     | Straight<br>sections             |      | Curve<br>sections |     | kg/m                                  | lb/ft | kg/m                               | lb/ft | kg/m                                  | lb/ft |                                            |                                     |                   |
| mm         | in   | N                                                | lbf  | N                 | lbf | N                             | lbf  | N                 | lbf | N                                | lbf  | N                 | lbf |                                       |       |                                    |       |                                       |       | kg/m                                       | lb/ft                               | kg/m              |
| 235        | 9.3  | 7050                                             | 1585 | 3300              | 742 | 3525                          | 792  | 3300              | 742 | 7050                             | 1585 | 3300              | 742 | 2.8                                   | 1.91  | 2.4                                | 1.58  | 2.6                                   | 1.74  | 2                                          | 2                                   | 2                 |
| 311        | 12.2 | 9330                                             | 2097 | 3300              | 742 | 4665                          | 1049 | 3300              | 742 | 9330                             | 2097 | 3300              | 742 | 3.8                                   | 2.53  | 3.1                                | 2.09  | 3.4                                   | 2.30  | 3                                          | 3                                   | 2                 |
| 387        | 15.2 | 11610                                            | 2610 | 3300              | 742 | 5805                          | 1305 | 3300              | 742 | 11610                            | 2610 | 3300              | 742 | 4.7                                   | 3.15  | 3.9                                | 2.60  | 4.3                                   | 2.86  | 3                                          | 3                                   | 2                 |
| 463        | 18.2 | 13890                                            | 3122 | 3300              | 742 | 6945                          | 1561 | 3300              | 742 | 13890                            | 3122 | 3300              | 742 | 5.6                                   | 3.77  | 4.6                                | 3.11  | 5.1                                   | 3.42  | 5                                          | 4                                   | 2                 |
| 540        | 21.3 | 16200                                            | 3642 | 3300              | 742 | 8100                          | 1821 | 3300              | 742 | 16200                            | 3642 | 3300              | 742 | 6.5                                   | 4.39  | 5.4                                | 3.63  | 5.9                                   | 3.99  | 5                                          | 4                                   | 2                 |
| 616        | 24.3 | 18480                                            | 4154 | 3300              | 742 | 9240                          | 2077 | 3300              | 742 | 18480                            | 4154 | 3300              | 742 | 7.5                                   | 5.01  | 6.2                                | 4.14  | 6.8                                   | 4.55  | 5                                          | 5                                   | 3                 |
| 692        | 27.2 | 20760                                            | 4667 | 3300              | 742 | 10380                         | 2333 | 3300              | 742 | 20760                            | 4667 | 3300              | 742 | 8.4                                   | 5.63  | 6.9                                | 4.65  | 7.6                                   | 5.12  | 5                                          | 5                                   | 3                 |
| 768        | 30.2 | 23040                                            | 5179 | 3300              | 742 | 11520                         | 2590 | 3300              | 742 | 23040                            | 5179 | 3300              | 742 | 9.3                                   | 6.25  | 7.7                                | 5.16  | 8.4                                   | 5.68  | 7                                          | 6                                   | 3                 |
| 844        | 33.2 | 25320                                            | 5692 | 3300              | 742 | 12660                         | 2846 | 3300              | 742 | 25320                            | 5692 | 3300              | 742 | 10.2                                  | 6.86  | 8.4                                | 5.67  | 9.3                                   | 6.24  | 7                                          | 6                                   | 3                 |
| 920        | 36.2 | 27600                                            | 6204 | 3300              | 742 | 13800                         | 3102 | 3300              | 742 | 27600                            | 6204 | 3300              | 742 | 11.1                                  | 7.48  | 9.2                                | 6.18  | 10.1                                  | 6.80  | 7                                          | 7                                   | 4                 |
| 996        | 39.2 | 29880                                            | 6717 | 3300              | 742 | 14940                         | 3359 | 3300              | 742 | 29880                            | 6717 | 3300              | 742 | 12.1                                  | 8.10  | 10.0                               | 6.69  | 11.0                                  | 7.36  | 7                                          | 7                                   | 4                 |
| 1073       | 42.2 | 32190                                            | 7236 | 3300              | 742 | 16095                         | 3618 | 3300              | 742 | 32190                            | 7236 | 3300              | 742 | 13.0                                  | 8.73  | 10.7                               | 7.21  | 11.8                                  | 7.93  | 9                                          | 8                                   | 4                 |
| 1149       | 45.2 | 34470                                            | 7749 | 3300              | 742 | 17235                         | 3874 | 3300              | 742 | 34470                            | 7749 | 3300              | 742 | 13.9                                  | 9.34  | 11.5                               | 7.72  | 12.6                                  | 8.49  | 9                                          | 8                                   | 4                 |
| 1225       | 48.2 | 36750                                            | 8261 | 3300              | 742 | 18375                         | 4131 | 3300              | 742 | 36750                            | 8261 | 3300              | 742 | 14.8                                  | 9.96  | 12.3                               | 8.23  | 13.5                                  | 9.06  | 9                                          | 9                                   | 5                 |

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).

|      |      |       |       |      |     |       |      |      |     |       |       |      |     |      |       |      |       |      |       |    |    |   |
|------|------|-------|-------|------|-----|-------|------|------|-----|-------|-------|------|-----|------|-------|------|-------|------|-------|----|----|---|
| 1606 | 63.2 | 48180 | 10831 | 3300 | 742 | 24090 | 5415 | 3300 | 742 | 48180 | 10831 | 3300 | 742 | 19.4 | 13.06 | 16.1 | 10.79 | 17.7 | 11.87 | 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).

|      |      |       |       |      |     |       |      |      |     |       |       |      |     |      |       |      |       |      |       |    |    |   |
|------|------|-------|-------|------|-----|-------|------|------|-----|-------|-------|------|-----|------|-------|------|-------|------|-------|----|----|---|
| 1986 | 78.2 | 59580 | 13394 | 3300 | 742 | 29790 | 6697 | 3300 | 742 | 59580 | 13394 | 3300 | 742 | 24.0 | 16.15 | 19.9 | 13.35 | 21.8 | 14.68 | 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.

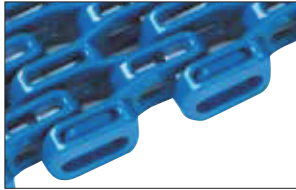
Outer modules are always in PA6.6 on belts wider than 234.0 mm (9.21 in).

Belts up to 234.0 mm (9.21 in) in width is only available in PA6.6.

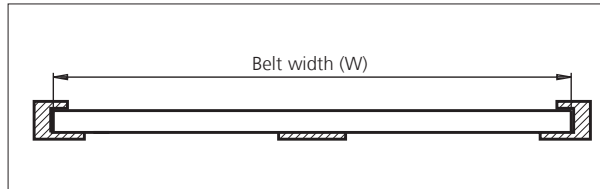
\*Max. Load per Drive Sprocket. Belt material: POM-D 1000 N (225 lbf). PP 850 N (191 lbf). PA6.6 1000 N (225 lbf).

\*\*Max. Spacing between wear strips. Carry: 152.0 mm (6 in); Return: 304.0 mm (12 in).

## Belt Tracking og Control Systems



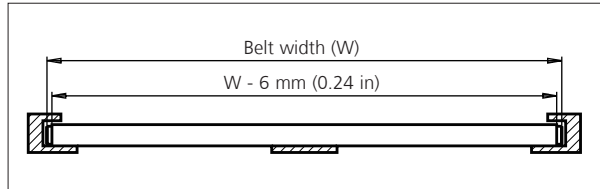
**uni Flex SNB L R2.3**  
Standard



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.



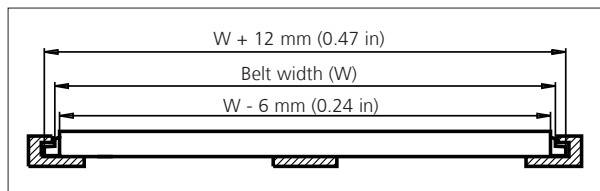
**Wearpart**



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.



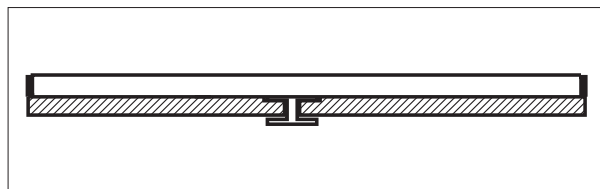
**O-Tab**



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)



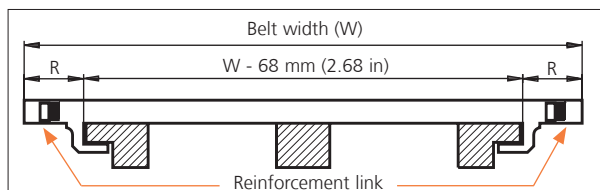
**I-Tab**



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).



**S-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.  
 $R = 34.0 \text{ mm (1.34 in)}$ .

| 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).

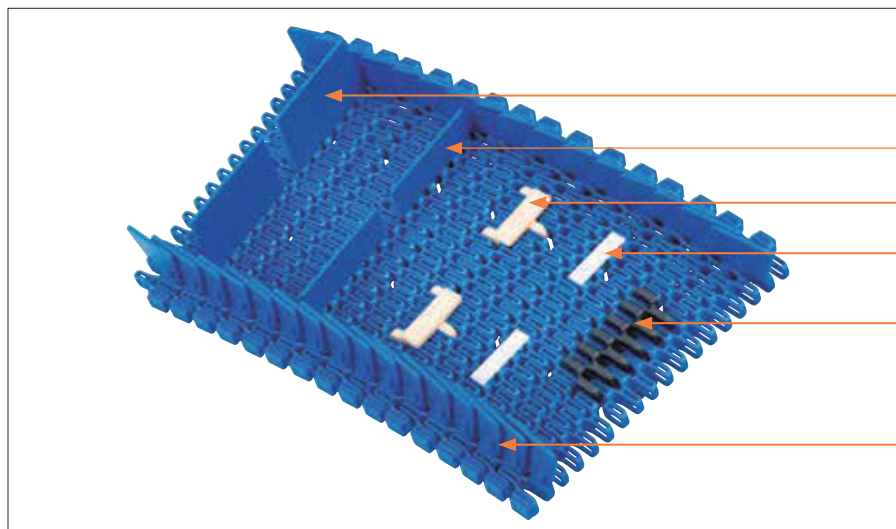
When using square shafts, please verify that the diagonal does not exceed max. diameter.

Example: Sprocket  $z = 10$ : Max. shaft diameter  $82.2 - 50.8 = \varnothing 31 \text{ mm (3.24 - 2.00 = } \varnothing 1.2 \text{ in)}$ .

✓ *Standard* + *Optional*

- *Unavailable*

## Accessories



- Click on Flight 50.8 mm (2.00 in)
- Click on Flight 25.4 mm (1.00 in)
- Rubber Support: Made-To-Order
- Click on Flight Low: Made-To-Order
- Rubber Top
- Side Guard

## Accessories

### Side Guard / Standard

| Type       | Belt material & color                                                                                                                                             | Height |      |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|------|
|            |                                                                                                                                                                   | mm     | in   |
| Side Guard | PP-I <span style="background-color: #0056b3; color: white; padding: 0 2px;">B</span> <span style="background-color: white; color: black; padding: 0 2px;"></span> | 30.0   | 1.18 |

## Accessories

### Flight / Standard

| Type                 | Belt material & color                                                                                                                                              | Link size | Height |      | Width |      |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|--------|------|-------|------|
|                      |                                                                                                                                                                    |           | mm     | in   | mm    | in   |
| Click on Flight Flat | PA6.6 <span style="background-color: #0056b3; color: white; padding: 0 2px;">B</span> <span style="background-color: white; color: black; padding: 0 2px;"></span> | K300      | 25.4   | 1.00 | 75.9  | 2.99 |
|                      | PP <span style="background-color: #0056b3; color: white; padding: 0 2px;">B</span> <span style="background-color: white; color: black; padding: 0 2px;"></span>    |           | 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 <span style="background-color: #f0f0f0; border: 1px solid black; padding: 0 2px;">N</span>    | 4.0 | 0.16 | 43.0  | 1.69 | 14.0   | 0.55 |
| Click on Flight Low | POM-D <span style="background-color: #f0f0f0; border: 1px solid black; padding: 0 2px;">N</span> | 4.0 | 0.16 | 42.0  | 1.65 | 10.5   | 0.41 |

## Accessories

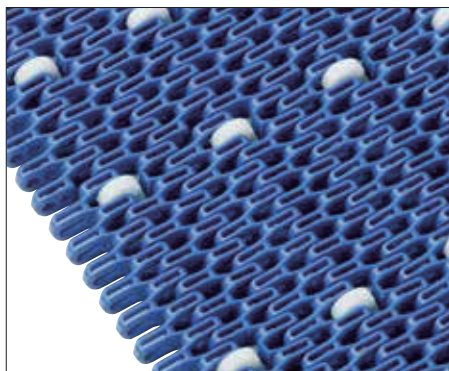
### Minimum Indents (I)

| 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 |

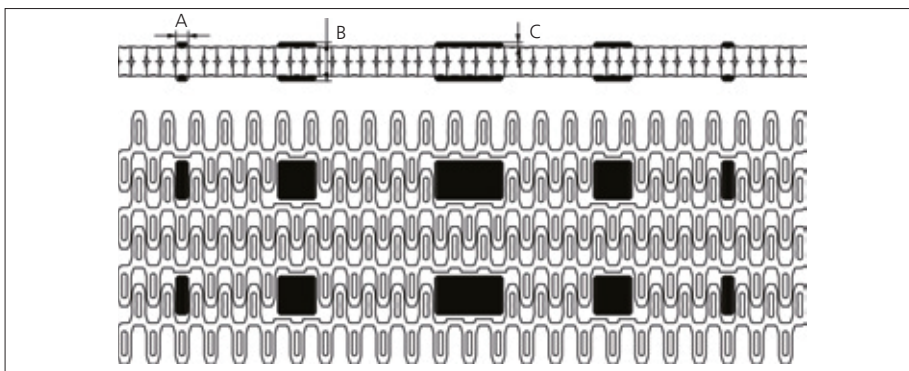
\* Even distance between Click on Flight rows

\*\* Odd distance between Click on Flight rows

## Made-To-Order Selection



**uni Flex SNB with Rollers**  
 $\varnothing 17 \times 5.5 \text{ mm}$  ( $\varnothing 0.67 \times 0.22 \text{ in}$ )



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

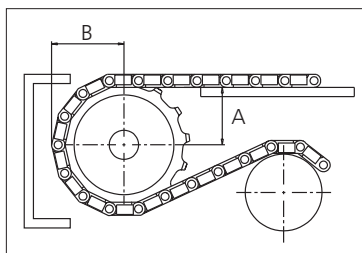
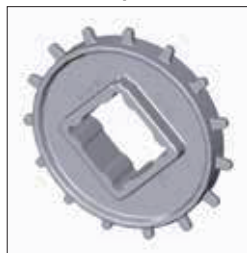
| Type    | Roller material & color | A    |      | B    |      | C   |      |
|---------|-------------------------|------|------|------|------|-----|------|
|         |                         | mm   | in   | mm   | in   | mm  | in   |
| Plastic | POM-D                   | 5.5  | 0.22 | 17.0 | 0.67 | 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 | <div><div></div></div><br>PAG | <div><div></div></div><br>PAG |      |
|--------------|------------|----|----|------|------|-------------|-------------|-------------|-------------|-------------|-------------|------|------|------------------|-------|----------------|-------|--------------|------|-------------|------|-------------|------|--------------------|--------------------|-------------------------------|-------------------------------|------|
|              | Pilot Bore | mm | in | 0.75 | 0.79 | 0.98        | 1.00        | 1.18        | 1.25        | 1.50        | 1.57        | 2.36 | 2.50 |                  |       |                |       |              |      |             |      |             |      |                    |                    |                               |                               | 3.54 |
|              |            |    | mm | in   | 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   |                    |                    | Molded                        | Machined                      |      |
| Z09          | x          |    |    |      |      | <div></div> | <div></div> | <div></div> | <div></div> |             |             |      |      |                  | 73.8  | 2.91           | 74.3  | 2.93         | 56.8 | 2.24        | 28.4 | 1.12        | 43.5 | 1.71               | x                  |                               | x                             |      |
| Z10          | x          |    |    |      |      | <div></div> | <div></div> | <div></div> | <div></div> |             | <div></div> |      |      |                  | 82.2  | 3.24           | 82.2  | 3.24         | 65.2 | 2.57        | 32.6 | 1.28        | 47.5 | 1.87               | x                  |                               | x                             |      |
| Z12          | x          |    |    |      |      |             | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> |      |      |                  | 98.8  | 3.89           | 98.1  | 3.86         | 70.0 | 2.76        | 40.9 | 1.61        | 55.5 | 2.19               | x                  |                               | x                             |      |
| Z15          | x          |    |    |      |      |             | <div></div> | <div></div> | <div></div> | <div></div> | <div></div> |      |      |                  | 123.5 | 4.86           | 122.2 | 4.81         | 70.0 | 2.76        | 53.2 | 2.09        | 67.5 | 2.66               | x                  |                               | x                             |      |
| Z18          | x          |    |    |      |      |             |             | <div></div> | <div></div> | <div></div> | <div></div> |      |      |                  | 148.1 | 5.83           | 146.3 | 5.76         | 70.0 | 2.76        | 65.5 | 2.58        | 79.6 | 3.13               | x                  |                               | x                             |      |
| Z19          | x          |    |    |      |      |             |             | <div></div> | <div></div> | <div></div> | <div></div> |      |      |                  | 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.

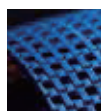
For more detailed sprocket information, contact Customer Service.



Conveyor Belts



Seamless Belts



Modular Belts



Timing Belts



Transmission Belts

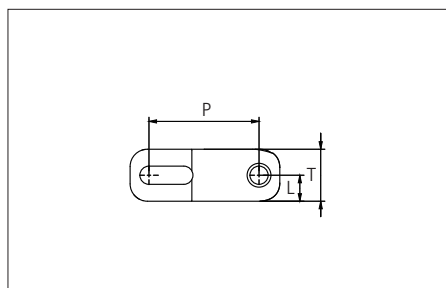
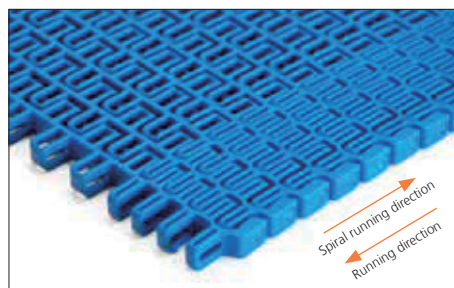


Fabrication & service

Expert advice, quality solutions and local service for all your belting needs  
[www.unichains.com](http://www.unichains.com)

# 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 <div>B</div>                                                                                              | PP <div>B</div> |             | mm   | in   |   | mm   | in   |
|-------------------------------|-----------------------------------------------------------------------------------------------------------------|-----------------|-------------|------|------|---|------|------|
| Pin and lock material & color | <div> PA6.6 <div>B</div></div> |                 | 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 systems and materials: Contact Customer Service.

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

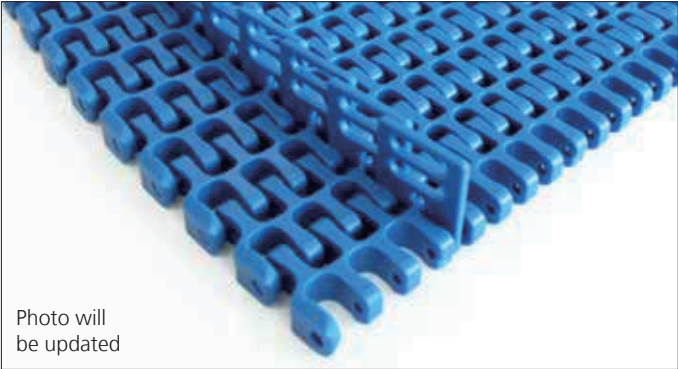
\*Max. Load per Drive Sprocket. Belt material: POM-D 1000 N (223 lbf), PP 550 N (123 lbf).

Belt needs support rollers or flanged rollers at each belt edge for support.

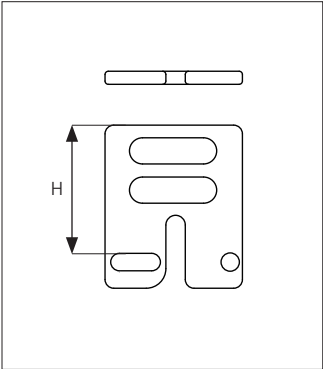
B = Single Link

Accessories

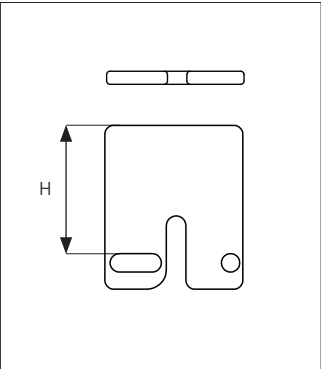
Side Guard



Side Guard Open



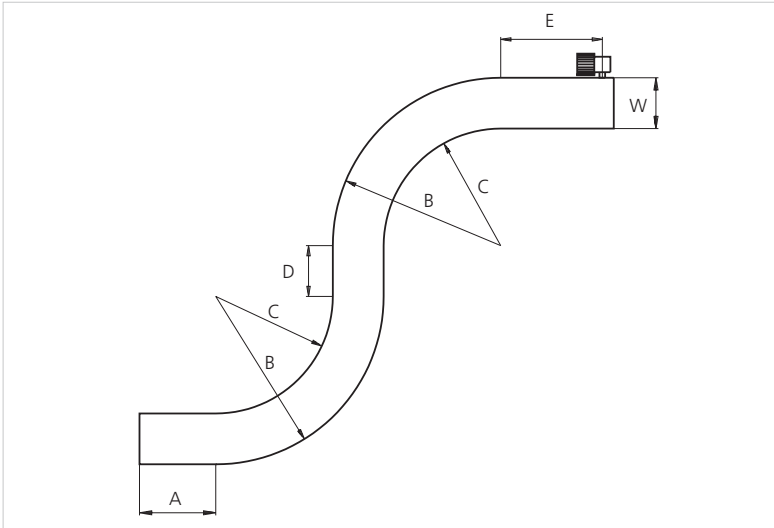
Side Guard Closed



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

Min. indent for Side Guard: 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



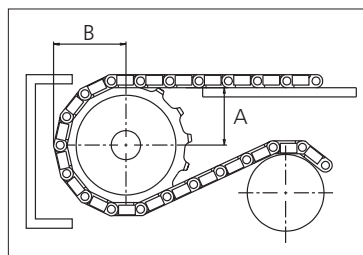
|   | 65% Open Radius 2.2 |
|---|---------------------|
| A | min. 1.5 x W        |
| B | min 3.2 x W         |
| C | min 2.2 x W         |
| D | min 2 x W           |
| E | min 2 x W, min.     |
| W | Belt width          |

## Sprocket

| No. of teeth | Bore size  |    |                                   |                                   |                                   |                                   |                                   |                                   |                                   | Overall diameter |      | Pitch diameter |      | Hub diameter |      | Dimension A |      | Dimension B |      | Single row/Two way | <div><div></div><div>PA6</div></div> <div>Machined</div> |
|--------------|------------|----|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|------------------|------|----------------|------|--------------|------|-------------|------|-------------|------|--------------------|----------------------------------------------------------|
|              | Pilot Bore | in | 0.98                              | 1.00                              | 1.18                              | 1.25                              | 1.50                              | 1.57                              | 2.36                              |                  |      |                |      |              |      |             |      |             |      |                    |                                                          |
|              |            | mm | 25.0                              | 25.4                              | 30.0                              | 31.8                              | 38.1                              | 40.0                              | 60.0                              | mm               | in   | mm             | in   | mm           | in   | mm          | in   | mm          | in   |                    |                                                          |
| Z09          | ✔          |    | <div><div></div><div></div></div> | <div><div></div><div></div></div> | <div><div></div><div></div></div> | <div><div></div><div></div></div> |                                   |                                   |                                   | 75.0             | 2.95 | 74.3           | 2.93 | 57.8         | 2.28 | 28.9        | 1.14 | 43.1        | 1.70 | ✔                  | ✔                                                        |
| Z12          | ✔          |    | <div><div></div><div></div></div> | <div><div></div><div></div></div> | <div><div></div><div></div></div> | <div><div></div><div></div></div> | <div><div></div><div></div></div> |                                   |                                   | 100.0            | 3.94 | 98.1           | 3.86 | 82.8         | 3.26 | 41.4        | 1.63 | 55.1        | 2.17 | ✔                  | ✔                                                        |
| Z15          | ✔          |    |                                   | <div><div></div><div></div></div> | <div><div></div><div></div></div> | <div><div></div><div></div></div> | <div><div></div><div></div></div> | <div><div></div><div></div></div> | <div><div></div><div></div></div> | 124.6            | 4.91 | 122.2          | 4.81 | 107.4        | 4.23 | 53.8        | 2.12 | 67.1        | 2.64 | ✔                  | ✔                                                        |
| Z18          | ✔          |    |                                   |                                   | <div><div></div><div></div></div> | <div><div></div><div></div></div> | <div><div></div><div></div></div> | <div><div></div><div></div></div> | <div><div></div><div></div></div> | 149.3            | 5.88 | 146.3          | 5.76 | 132.1        | 5.20 | 66.0        | 2.60 | 79.2        | 3.12 | ✔                  | ✔                                                        |

■ Machined sprocket

● Machined sprocket



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

Other sprocket sizes are available upon request

Two-part sprocket are available upon request

Other bore sizes are available upon request

uni Retainer Rings: See uni Retainer Ring data sheet

Width of tooth = 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.

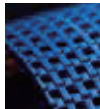
For more detailed sprocket information, contact Customer Service.



Conveyor Belts



Seamless Belts



Modular Belts



Timing Belts



Transmission Belts

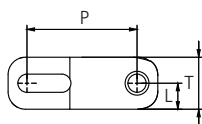
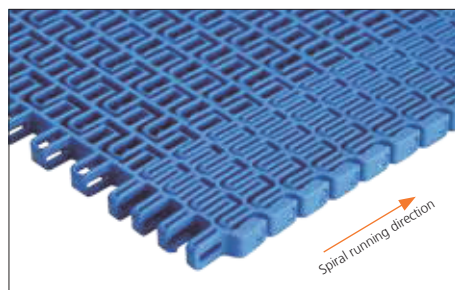


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# Plastic Modular Belt

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>B</b> |             | mm   | in   |   | mm   | in   |
|-----------------------------------|----------------|-------------|------|------|---|------|------|
| Recommended Pin material & color  | PA6.6 <b>B</b> | 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 systems and materials: Contact Customer Service.

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

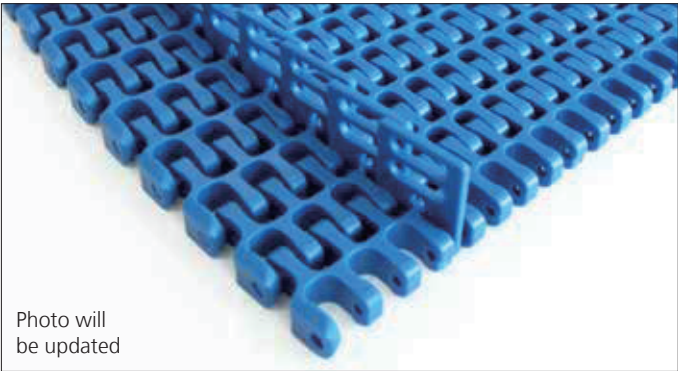
\*Max. Load per Drive Sprocket. Belt material: POM-D 1000 N (223 lbf), PP 550 N (123 lbf).

Belt needs support rollers or flanged rollers at each belt edge for support.

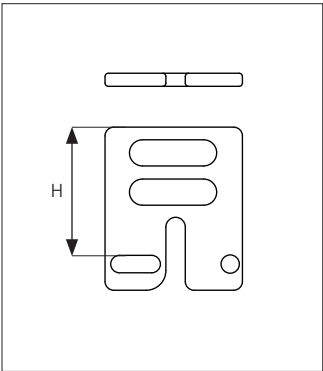
 = Single Link

Accessories

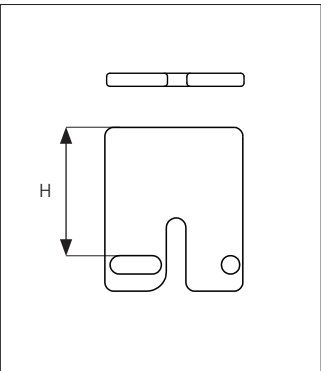
Side Guard



Side Guard Open



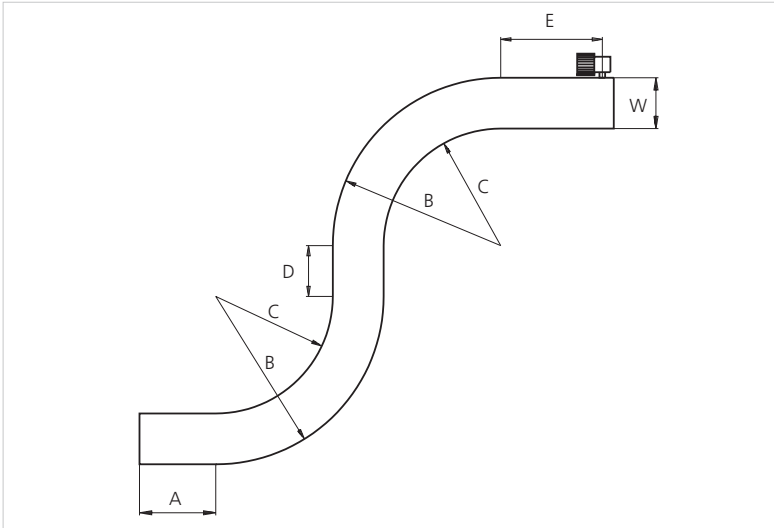
Side Guard Closed



| Type            | Side Guard Material & color         | H    |      |
|-----------------|-------------------------------------|------|------|
|                 |                                     | mm   | in   |
| Side Guard      | POM-D <span>B</span> <span>W</span> | 25.4 | 1.00 |
| Side Guard Open |                                     |      |      |

Min. indent for Side Guard: 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



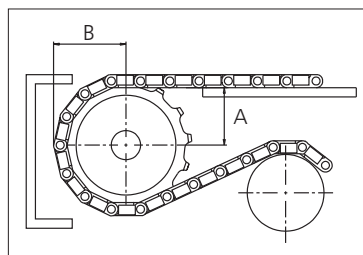
|   | 65% Open Radius 2.2 |
|---|---------------------|
| A | min. 1.5 x W        |
| B | min 3.2 x W         |
| C | min 2.2 x W         |
| D | min 2 x W           |
| E | min 2 x W, min.     |
| W | Belt width          |

## Sprocket

| No. of teeth | Bore size  |    |                                   |                                   |                                   |                                   |                                   |                                   |                                   | Overall diameter |      | Pitch diameter |      | Hub diameter |      | Dimension A |      | Dimension B |      | Single row/Two way | <div><div></div><div>PA6</div></div> <div>Machined</div> |
|--------------|------------|----|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|------------------|------|----------------|------|--------------|------|-------------|------|-------------|------|--------------------|----------------------------------------------------------|
|              | Pilot Bore | in | 0.98                              | 1.00                              | 1.18                              | 1.25                              | 1.50                              | 1.57                              | 2.36                              |                  |      |                |      |              |      |             |      |             |      |                    |                                                          |
|              |            | mm | 25.0                              | 25.4                              | 30.0                              | 31.8                              | 38.1                              | 40.0                              | 60.0                              | mm               | in   | mm             | in   | mm           | in   | mm          | in   | mm          | in   |                    |                                                          |
| Z09          | ✔          |    | <div><div></div><div></div></div> | <div><div></div><div></div></div> | <div><div></div><div></div></div> | <div><div></div><div></div></div> |                                   |                                   |                                   | 75.0             | 2.95 | 74.3           | 2.93 | 57.8         | 2.28 | 28.9        | 1.14 | 43.1        | 1.70 | ✔                  | ✔                                                        |
| Z12          | ✔          |    | <div><div></div><div></div></div> | <div><div></div><div></div></div> | <div><div></div><div></div></div> | <div><div></div><div></div></div> | <div><div></div><div></div></div> |                                   |                                   | 100.0            | 3.94 | 98.1           | 3.86 | 82.8         | 3.26 | 41.4        | 1.63 | 55.1        | 2.17 | ✔                  | ✔                                                        |
| Z15          | ✔          |    |                                   | <div><div></div><div></div></div> | <div><div></div><div></div></div> | <div><div></div><div></div></div> | <div><div></div><div></div></div> | <div><div></div><div></div></div> | <div><div></div><div></div></div> | 124.6            | 4.91 | 122.2          | 4.81 | 107.4        | 4.23 | 53.8        | 2.12 | 67.1        | 2.64 | ✔                  | ✔                                                        |
| Z18          | ✔          |    |                                   |                                   | <div><div></div><div></div></div> | <div><div></div><div></div></div> | <div><div></div><div></div></div> | <div><div></div><div></div></div> | <div><div></div><div></div></div> | 149.3            | 5.88 | 146.3          | 5.76 | 132.1        | 5.20 | 66.0        | 2.60 | 79.2        | 3.12 | ✔                  | ✔                                                        |

■ Machined sprocket

● Machined sprocket



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

Other sprocket sizes are available upon request

Two-part sprocket are available upon request

Other bore sizes are available upon request

uni Retainer Rings: See uni Retainer Ring data sheet

Width of tooth = 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.

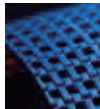
For more detailed sprocket information, contact Customer Service.



Conveyor Belts



Seamless Belts



Modular Belts



Timing Belts



Transmission Belts

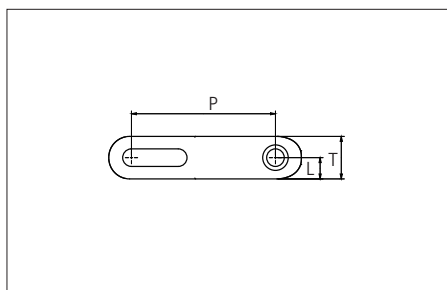
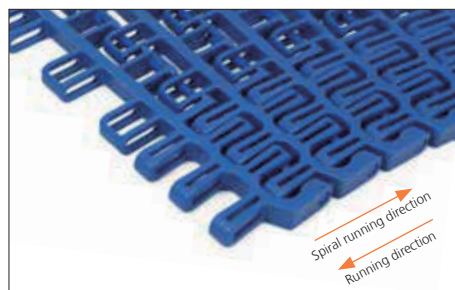


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# Plastic Modular Belt

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 <div>B</div>                                                                                              | PP <div>B</div> |             | mm   | in   |   | mm   | in   |
|-------------------------------|-----------------------------------------------------------------------------------------------------------------|-----------------|-------------|------|------|---|------|------|
| Pin and lock material & color | <div> PA6.6 <div>B</div></div> |                 | 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 systems and materials: Contact Customer Service.

| Belt width |      | Permissible tensile force<br>(Belt/pin material) |      |                |     |                   |      |                |     | Belt weight<br>(Belt/pin material) |       |          |       | *Min. No.<br>drive<br>sprocket<br>per shaft | Number of wear<br>strips (Min. No.) |                   |
|------------|------|--------------------------------------------------|------|----------------|-----|-------------------|------|----------------|-----|------------------------------------|-------|----------|-------|---------------------------------------------|-------------------------------------|-------------------|
|            |      | POM-D/PA6.6                                      |      |                |     | PP/PA6.6          |      |                |     | POM-D/PA6.6                        |       | PP/PA6.6 |       |                                             | **Carry<br>(pcs)                    | **Return<br>(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 |                                             |                                     |                   |
| 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: 152.0 mm (6.00 in); Return: 304.0 mm (12.00 in).

Belt needs support rollers or flanged rollers at each belt edge for support.

B = Single Link



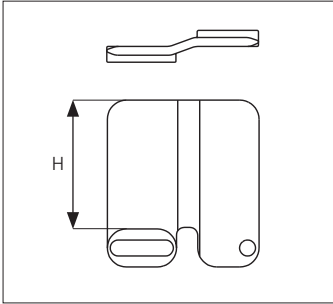
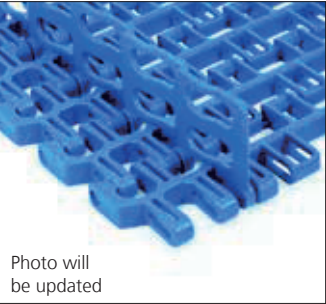
STANDARD

SIDE FLEXING

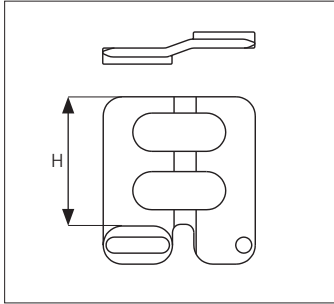
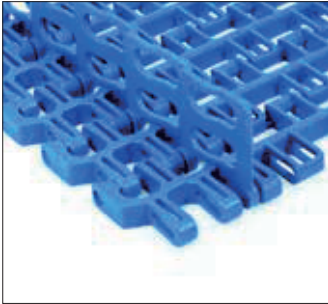
PITCH 50.8 MM/2.00 IN

Accessories

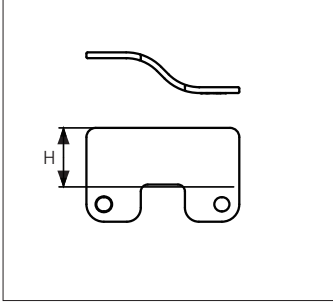
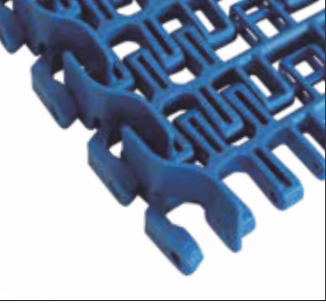
Side Guard Closed



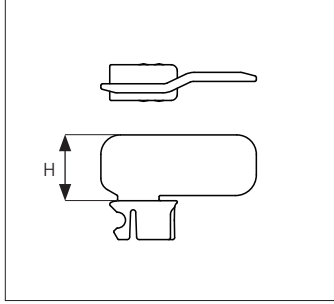
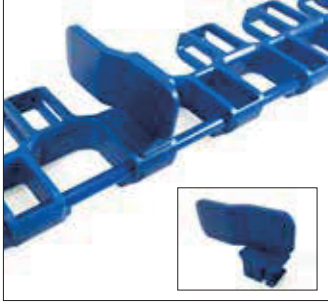
Side Guard Open



Side Guard Outside Closed



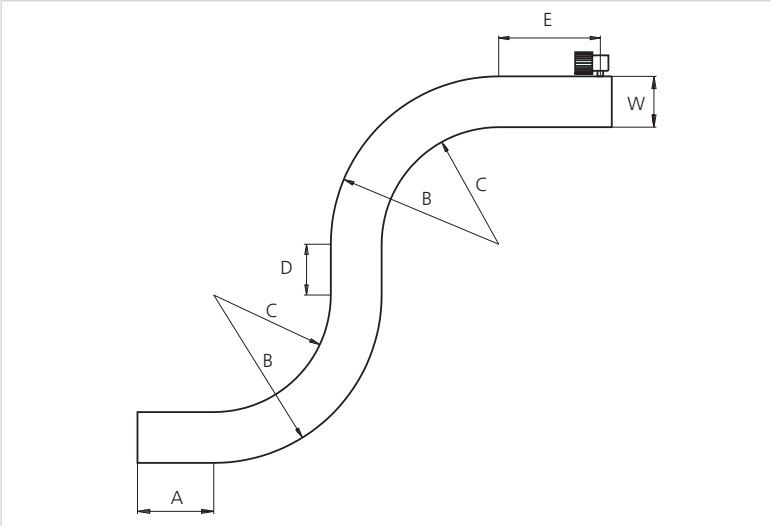
Side Guard Snap-On Closed



| Type                      | Material & color                                                                      | H    |      |
|---------------------------|---------------------------------------------------------------------------------------|------|------|
|                           |                                                                                       | mm   | in   |
| Side Guard Closed         | POM-D <span style="background-color: #0070C0; color: white; padding: 0 2px;">B</span> | 10.0 | 0.39 |
| Side Guard Open           |                                                                                       | 25.4 | 1.00 |
| Side Guard Outside Closed |                                                                                       | 50.0 | 1.97 |
| Side Guard Snap-On Closed |                                                                                       | 50.0 | 1.97 |
|                           |                                                                                       | 25.4 | 1.00 |

Indent for Side Guard Closed and Side Guard Open: 55.0 mm (2.17 in) or 80.0 mm (3.15 in).  
Min/max indent for Side Guard Outside Closed: 10.0 mm (0.39 in).  
Min indent for Side Guard Snap-On Closed: 175.0 mm (6.89 in) and Increment 50.8 mm (2.00 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                         |

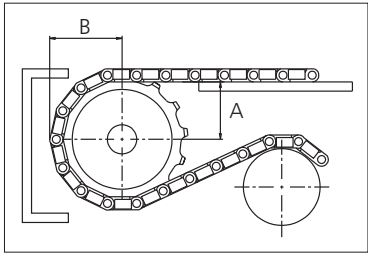
Sprocket

| No. of teeth | Bore size  |      |                                   |                                   |                                   |                                   |                                   |                                   | Overall diameter |      | Pitch diameter |      | Hub diameter |      | Dimension A |      | Dimension B |      | Single row/Two way | <div><div></div>PA6</div> |
|--------------|------------|------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|------------------|------|----------------|------|--------------|------|-------------|------|-------------|------|--------------------|---------------------------|
|              | Pilot Bore | in   | 1.00                              | 1.18                              | 1.25                              | 1.50                              | 1.57                              | 2.50                              |                  |      |                |      |              |      |             |      |             |      |                    |                           |
|              | mm         | 25.4 | 30.0                              | 31.8                              | 38.1                              | 40.0                              | 63.5                              | mm                                | in               | mm   | in             | mm   | in           | mm   | in          |      |             |      |                    |                           |
| Z08          | ✔          |      | <div><div></div><div></div></div> | <div><div></div><div></div></div> |                                   |                                   | <div><div></div><div></div></div> |                                   | 134.6            | 5.30 | 131.5          | 5.18 | 107.6        | 4.23 | 54.4        | 2.15 | 74.9        | 2.95 | ✔                  | ✔                         |
| Z10          | ✔          |      | <div><div></div><div></div></div> | <div><div></div><div></div></div> | <div><div></div><div></div></div> |                                   | <div><div></div><div></div></div> |                                   | 168.3            | 6.63 | 164.0          | 6.46 | 141.3        | 5.56 | 71.4        | 2.81 | 90.8        | 3.57 | ✔                  | ✔                         |
| Z12          | ✔          |      | <div><div></div><div></div></div> |                                   | <div><div></div><div></div></div> | <div><div></div><div></div></div> | <div><div></div><div></div></div> | <div><div></div><div></div></div> | 203.5            | 8.01 | 196.5          | 7.74 | 176.5        | 6.94 | 88.2        | 3.47 | 106.8       | 4.20 | ✔                  | ✔                         |
| Z15          | ✔          |      | <div><div></div><div></div></div> |                                   | <div><div></div><div></div></div> | <div><div></div><div></div></div> | <div><div></div><div></div></div> | <div><div></div><div></div></div> | 253.4            | 9.98 | 245.4          | 9.66 | 226.4        | 8.91 | 113.2       | 4.46 | 131.0       | 5.16 | ✔                  | ✔                         |

■ 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 = 27.0 mm (1.06 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.

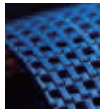
For correct sprocket position: See uni Assembly Instructions for uni Flex L-OSB.  
For more detailed sprocket information, contact Customer Service.



Conveyor Belts



Seamless Belts



Modular Belts



Timing Belts



Transmission Belts

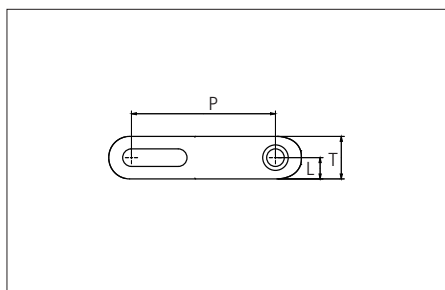
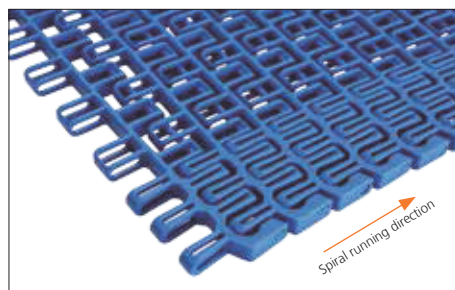


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# Plastic Modular Belt

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>B</b> |             | mm   | in   |   | mm   | in   |
|-----------------------------------|----------------|-------------|------|------|---|------|------|
| Recommended Pin material & color  | PA6.6 <b>B</b> | 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 systems and materials: Contact Customer Service.

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

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.

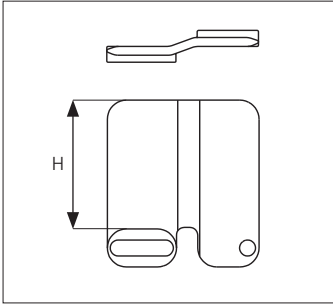
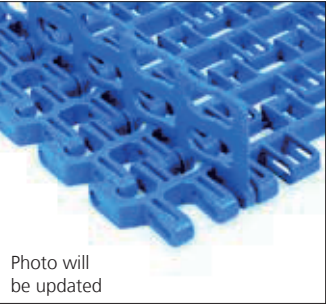
\*Max. Load per Drive Sprocket. Belt material: POM-D 1000 N (225 lbf), PP 550 N (123 lbf).

Belt needs support rollers or flanged rollers at each belt edge for support.

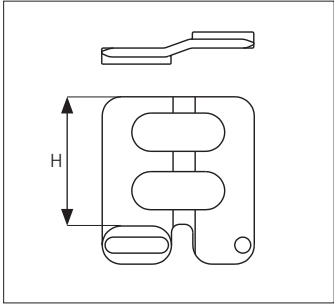
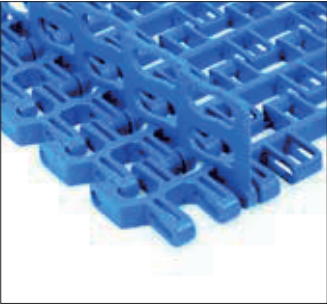
 = Single Link

Accessories

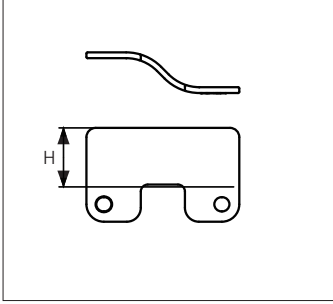
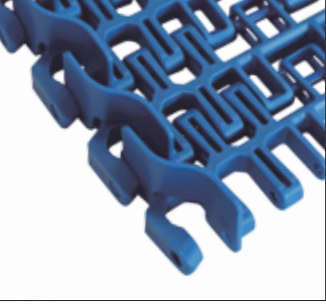
Side Guard Closed



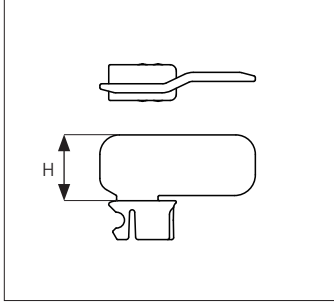
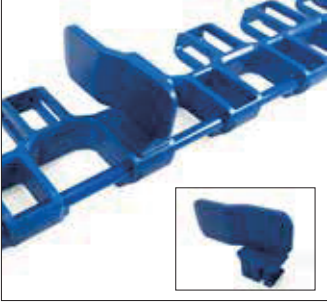
Side Guard Open



Side Guard Outside Closed



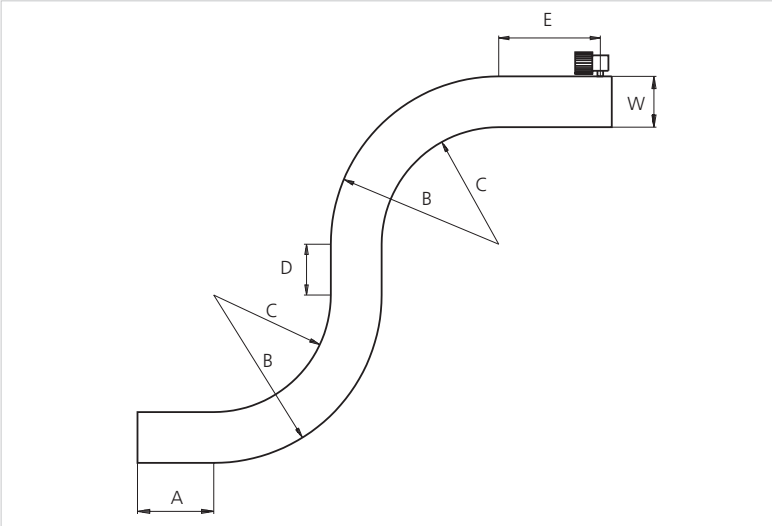
Side Guard Snap-On Closed



| Type                      | Material & color                                                                      | H    |      |
|---------------------------|---------------------------------------------------------------------------------------|------|------|
|                           |                                                                                       | mm   | in   |
| Side Guard Closed         | POM-D <span style="background-color: #0070C0; color: white; padding: 0 2px;">B</span> | 10.0 | 0.39 |
| Side Guard Open           |                                                                                       | 25.4 | 1.00 |
| Side Guard Outside Closed |                                                                                       | 50.0 | 1.97 |
| Side Guard Snap-On Closed |                                                                                       | 50.0 | 1.97 |
|                           |                                                                                       | 25.4 | 1.00 |

Indent for Side Guard Closed and Side Guard Open: 55.0 mm (2.17 in) or 80.0 mm (3.15 in).  
Min/max indent for Side Guard Outside Closed: 10.0 mm (0.39 in).  
Min indent for Side Guard Snap-On Closed: 175.0 mm (6.89 in) and Increment 50.8 mm (2.00 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                         |

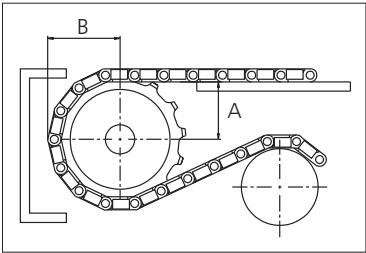
# Sprocket

| No. of teeth | Bore size  |      |                                   |                                   |                                   |                                   |                                   |                                   | Overall diameter |      | Pitch diameter |      | Hub diameter |      | Dimension A |      | Dimension B |      | Single row/Two way | <div>PA6</div> |
|--------------|------------|------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|------------------|------|----------------|------|--------------|------|-------------|------|-------------|------|--------------------|---------------------------------------------------------------------------------------------------|
|              | Pilot Bore | in   | 1.00                              | 1.18                              | 1.25                              | 1.50                              | 1.57                              | 2.50                              |                  |      |                |      |              |      |             |      |             |      |                    |                                                                                                   |
|              | mm         | 25.4 | 30.0                              | 31.8                              | 38.1                              | 40.0                              | 63.5                              | mm                                | in               | mm   | in             | mm   | in           | mm   | in          | mm   | in          |      |                    |                                                                                                   |
| Z08          | ✔          |      | <div><div></div><div></div></div> | <div><div></div><div></div></div> |                                   |                                   | <div><div></div><div></div></div> |                                   | 134.6            | 5.30 | 131.5          | 5.18 | 107.6        | 4.23 | 54.4        | 2.15 | 74.9        | 2.95 | ✔                  | ✔                                                                                                 |
| Z10          | ✔          |      | <div><div></div><div></div></div> | <div><div></div><div></div></div> | <div><div></div><div></div></div> |                                   | <div><div></div><div></div></div> |                                   | 168.3            | 6.63 | 164.0          | 6.46 | 141.3        | 5.56 | 71.4        | 2.81 | 90.8        | 3.57 | ✔                  | ✔                                                                                                 |
| Z12          | ✔          |      | <div><div></div><div></div></div> |                                   | <div><div></div><div></div></div> | <div><div></div><div></div></div> | <div><div></div><div></div></div> | <div><div></div><div></div></div> | 203.5            | 8.01 | 196.5          | 7.74 | 176.5        | 6.94 | 88.2        | 3.47 | 106.8       | 4.20 | ✔                  | ✔                                                                                                 |
| Z15          | ✔          |      | <div><div></div><div></div></div> |                                   | <div><div></div><div></div></div> | <div><div></div><div></div></div> | <div><div></div><div></div></div> | <div><div></div><div></div></div> | 253.4            | 9.98 | 245.4          | 9.66 | 226.4        | 8.91 | 113.2       | 4.46 | 131.0       | 5.16 | ✔                  | ✔                                                                                                 |

■ 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.

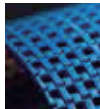
For correct sprocket position: See uni Assembly Instructions for uni Flex L-OSB.  
 For more detailed sprocket information, contact Customer Service.



Conveyor Belts



Seamless Belts



Modular Belts



Timing Belts



Transmission Belts

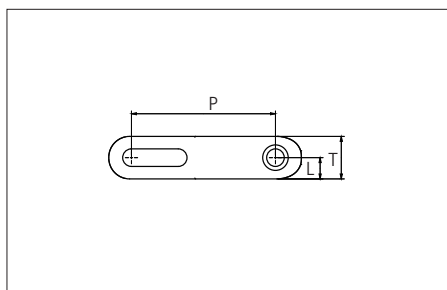
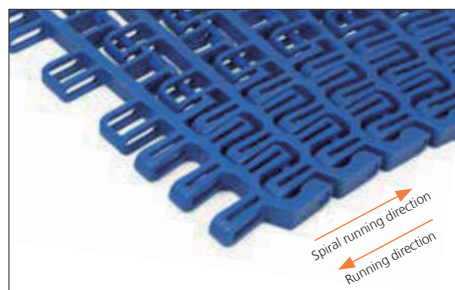


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# Plastic Modular Belt

Series **uni Flex L-OSB** Type **65% Open (Radius 1.6)**



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: R1.6 x belt width

| Belt material & color         | POM-D <span style="background-color: #0070C0; color: white; padding: 0 2px;">B</span> | PP <span style="background-color: #0070C0; color: white; padding: 0 2px;">B</span> |                       | mm   | in   |          | mm   | in   |
|-------------------------------|---------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-----------------------|------|------|----------|------|------|
|                               |                                                                                       |                                                                                    | <b>P</b><br>(Nominal) | 50.8 | 2.00 | <b>T</b> | 15.0 | 0.59 |
| Pin and lock material & color | PA6.6 <span style="background-color: #0070C0; color: white; padding: 0 2px;">B</span> |                                                                                    | <b>L</b>              | 7.5  | 0.29 | -        | -    | -    |

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

| Belt width |      | Permissible tensile force<br>(Belt/pin material) |      |                |     |                   |      |                |     | Belt weight<br>(Belt/pin material) |       |          |       | *Min. No.<br>drive<br>sprocket<br>per shaft | Number of wear<br>strips (Min. No.) |                   |
|------------|------|--------------------------------------------------|------|----------------|-----|-------------------|------|----------------|-----|------------------------------------|-------|----------|-------|---------------------------------------------|-------------------------------------|-------------------|
|            |      | POM-D/PA6.6                                      |      |                |     | PP/PA6.6          |      |                |     | POM-D/PA6.6                        |       | PP/PA6.6 |       |                                             | **Carry<br>(pcs)                    | **Return<br>(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 |                                             |                                     |                   |
| 608        | 23.9 | 8579                                             | 1929 | 2500           | 562 | 6572              | 1477 | 1600           | 360 | 3.9                                | 2.63  | 2.9      | 1.94  | 5                                           | 5                                   | 3                 |
| 659        | 25.9 | 9110                                             | 2048 | 2500           | 562 | 6990              | 1571 | 1600           | 360 | 4.2                                | 2.85  | 3.1      | 2.10  | 5                                           | 5                                   | 3                 |
| 710        | 28.0 | 9640                                             | 2167 | 2500           | 562 | 7408              | 1665 | 1600           | 360 | 4.6                                | 3.07  | 3.4      | 2.26  | 5                                           | 5                                   | 3                 |
| 761        | 30.0 | 10171                                            | 2286 | 2500           | 562 | 7826              | 1759 | 1600           | 360 | 4.9                                | 3.29  | 3.6      | 2.42  | 7                                           | 6                                   | 3                 |
| 811        | 31.9 | 10691                                            | 2403 | 2500           | 562 | 8236              | 1852 | 1600           | 360 | 5.2                                | 3.51  | 3.8      | 2.58  | 7                                           | 6                                   | 3                 |
| 862        | 33.9 | 11221                                            | 2523 | 2500           | 562 | 8655              | 1946 | 1600           | 360 | 5.6                                | 3.73  | 4.1      | 2.75  | 7                                           | 6                                   | 3                 |
| 913        | 35.9 | 11751                                            | 2642 | 2500           | 562 | 9073              | 2040 | 1600           | 360 | 5.9                                | 3.95  | 4.3      | 2.91  | 7                                           | 7                                   | 4                 |
| 964        | 38.0 | 12282                                            | 2761 | 2500           | 562 | 9491              | 2134 | 1600           | 360 | 6.2                                | 4.17  | 4.6      | 3.07  | 7                                           | 7                                   | 4                 |
| 1014       | 39.9 | 12802                                            | 2878 | 2500           | 562 | 9901              | 2226 | 1600           | 360 | 6.5                                | 4.39  | 4.8      | 3.23  | 7                                           | 7                                   | 4                 |
| 1065       | 41.9 | 13332                                            | 2997 | 2500           | 562 | 10319             | 2320 | 1600           | 360 | 6.9                                | 4.61  | 5.0      | 3.39  | 9                                           | 8                                   | 4                 |
| 1116       | 43.9 | 13863                                            | 3116 | 2500           | 562 | 10737             | 2414 | 1600           | 360 | 7.2                                | 4.83  | 5.3      | 3.56  | 9                                           | 8                                   | 4                 |
| 1167       | 45.9 | 14393                                            | 3236 | 2500           | 562 | 11156             | 2508 | 1600           | 360 | 7.5                                | 5.05  | 5.5      | 3.72  | 9                                           | 8                                   | 4                 |
| 1217       | 47.9 | 14913                                            | 3352 | 2500           | 562 | 11566             | 2600 | 1600           | 360 | 7.8                                | 5.27  | 5.8      | 3.88  | 9                                           | 9                                   | 5                 |
| 1268       | 49.9 | 15443                                            | 3472 | 2500           | 562 | 11984             | 2694 | 1600           | 360 | 8.2                                | 5.49  | 6.0      | 4.04  | 9                                           | 9                                   | 5                 |
| 1319       | 51.9 | 15974                                            | 3591 | 2500           | 562 | 12402             | 2788 | 1600           | 360 | 8.5                                | 5.71  | 6.3      | 4.20  | 9                                           | 9                                   | 5                 |
| 1370       | 53.9 | 16504                                            | 3710 | 2500           | 562 | 12820             | 2882 | 1600           | 360 | 8.8                                | 5.93  | 6.5      | 4.36  | 11                                          | 10                                  | 5                 |
| 1420       | 55.9 | 17024                                            | 3827 | 2500           | 562 | 13230             | 2974 | 1600           | 360 | 9.1                                | 6.15  | 6.7      | 4.52  | 11                                          | 10                                  | 5                 |
| 1471       | 57.9 | 17555                                            | 3946 | 2500           | 562 | 13648             | 3068 | 1600           | 360 | 9.5                                | 6.37  | 7.0      | 4.69  | 11                                          | 10                                  | 5                 |
| 1522       | 59.9 | 18085                                            | 4066 | 2500           | 562 | 14067             | 3162 | 1600           | 360 | 9.8                                | 6.59  | 7.2      | 4.85  | 11                                          | 11                                  | 6                 |



Additional non-standard belt widths are available upon request.  
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: 152.0 mm (6.00 in); return: 304.0 mm (12.00 in).  
Belt needs support rollers or flanged rollers at each belt edge for support.

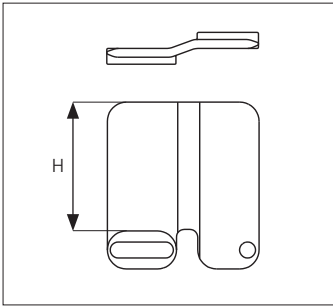
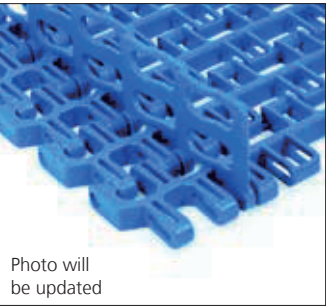
STANDARD

SIDE FLEXING

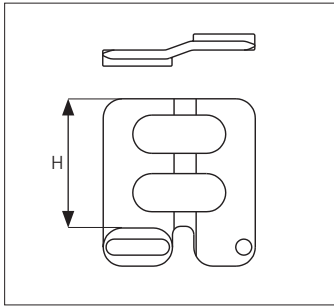
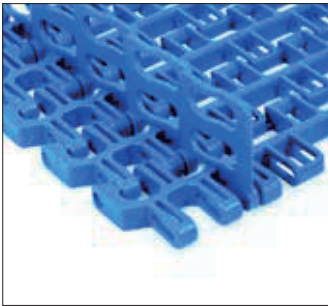
PITCH 50.8 MM/2.00 IN

Accessories

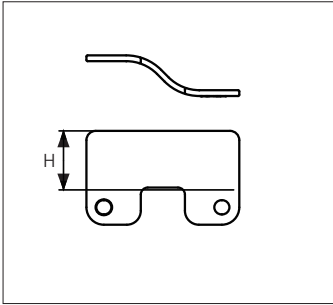
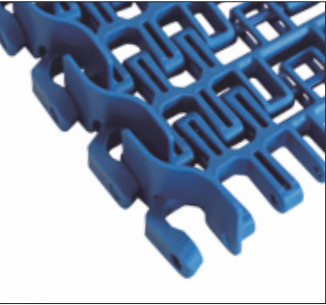
Side Guard Closed



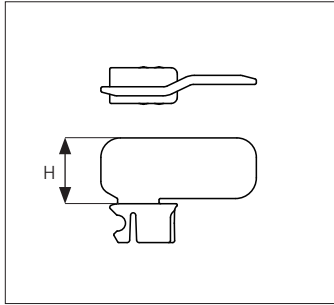
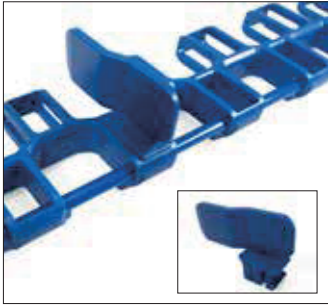
Side Guard Open



Side Guard Outside Closed



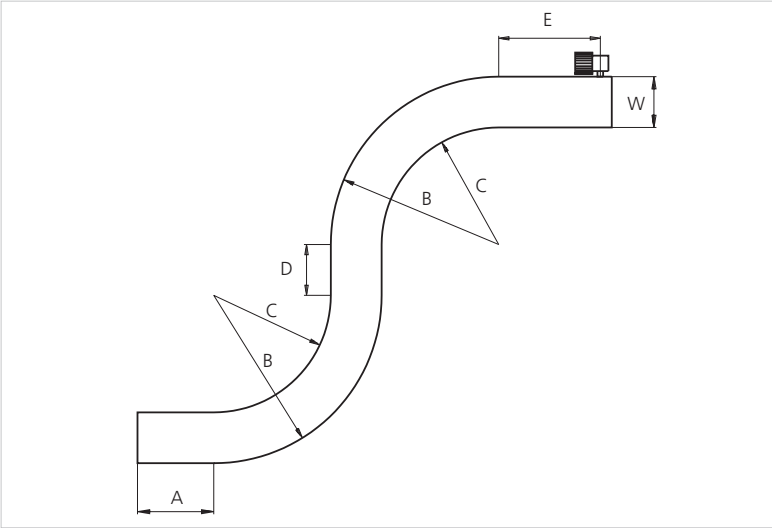
Side Guard Snap-On Closed



| Type                      | Material & color                                                                      | H    |      |
|---------------------------|---------------------------------------------------------------------------------------|------|------|
|                           |                                                                                       | mm   | in   |
| Side Guard Closed         | POM-D <span style="background-color: #0070C0; color: white; padding: 0 2px;">B</span> | 10.0 | 0.39 |
| Side Guard Open           |                                                                                       | 25.4 | 1.00 |
| Side Guard Outside Closed |                                                                                       | 50.0 | 1.97 |
| Side Guard Snap-On Closed |                                                                                       | 50.0 | 1.97 |
|                           |                                                                                       | 25.4 | 1.00 |

Indent for Side Guard Closed and Side Guard Open: 55.0 mm (2.17 in) or 80.0 mm (3.15 in).  
Min/max indent for Side Guard Outside Closed: 10.0 mm (0.39 in).  
Min indent for Side Guard Snap-On Closed: 175.0 mm (6.89 in) and Increment 50.8 mm (2.00 in).  
Non Standard material and color: See uni Material and Color Overview.

Design Guidelines



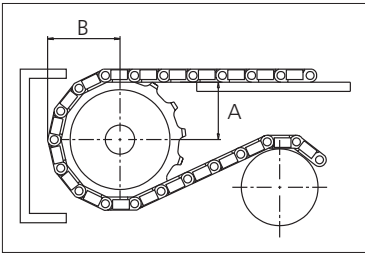
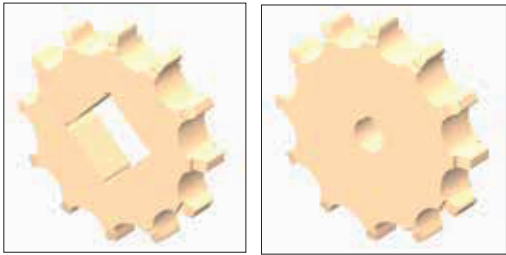
|   | uni Flex L-OSB 65% Open Radius 1.6 |
|---|------------------------------------|
| A | min. 1.5 x W                       |
| B | min 2.6 x W                        |
| C | min 1.6 x W                        |
| D | min 2.0 x W                        |
| E | min 2.0 x W, min.                  |
| W | Belt width                         |

Sprocket

| No. of teeth | Bore size  |      |      |      |      |      |      |      | Overall diameter |      | Pitch diameter |      | Hub diameter |      | Dimension A |      | Dimension B |      | Single row/Two way | <div>  <br/>PA6                 </div> |
|--------------|------------|------|------|------|------|------|------|------|------------------|------|----------------|------|--------------|------|-------------|------|-------------|------|--------------------|---------------------------------------------------------------------------------------------------------------------------|
|              | Pilot Bore | in   | 1.00 | 1.18 | 1.25 | 1.50 | 1.57 | 2.50 |                  |      |                |      |              |      |             |      |             |      |                    |                                                                                                                           |
|              | mm         | 25.4 | 30.0 | 31.8 | 38.1 | 40.0 | 63.5 | mm   | in               | mm   | in             | mm   | in           | mm   | in          | mm   | in          |      |                    |                                                                                                                           |
| Z08          | ✓          |      | ●    | ●    |      |      | ●    |      | 134.6            | 5.30 | 131.5          | 5.18 | 107.6        | 4.23 | 54.4        | 2.15 | 74.9        | 2.95 | ✓                  | ✓                                                                                                                         |
| Z10          | ✓          |      | ●    | ●    | ●    |      | ●    |      | 168.3            | 6.63 | 164.0          | 6.46 | 141.3        | 5.56 | 71.4        | 2.81 | 90.8        | 3.57 | ✓                  | ✓                                                                                                                         |
| Z12          | ✓          |      | ●    |      | ●    | ●    | ●    | ■    | 203.5            | 8.01 | 196.5          | 7.74 | 176.5        | 6.94 | 88.2        | 3.47 | 106.8       | 4.20 | ✓                  | ✓                                                                                                                         |
| Z15          | ✓          |      | ●    |      | ●    | ●    | ●    | ■    | 253.4            | 9.98 | 245.4          | 9.66 | 226.4        | 8.91 | 113.2       | 4.46 | 131.0       | 5.16 | ✓                  | ✓                                                                                                                         |

■ Machined sprocket

● Machined sprocket



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.

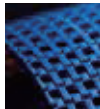
Non standard material and color: See uni Material and Color Overview.



Conveyor Belts



Seamless Belts



Modular Belts



Timing Belts



Transmission Belts



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& service

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for all your belting needs  
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# uni Material and Color Overview

## Colors and Materials

|                                                                                              |                                                                                              |                                                                                                |
|----------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|
|  Light Blue |  Yellow     |  Grey       |
|  Blue       |  Orange     |  Dark Grey  |
|  Dark Blue  |  Brown      |  Extra Grey |
|  Purple     |  Tan        |  Black      |
|  Red        |  Ivory      |  Natural    |
|  Dark Red   |  White      |                                                                                                |
|  Dark Green |  Light Grey |                                                                                                |

| Material | Density<br>g/cm <sup>3</sup> | Color                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Description                                                                                                                                                                                                                                                                                                                  |
|----------|------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| POM      | 1.41                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | POM is a thermoplastic material with very good mechanical and thermal properties. The material can also be characterized by great strength, stiffness and dimensional stability. POM is resistant to a wide selection of chemicals. POM has good bearing qualities, low coefficient of friction and good resistance to wear. |
| POM-D    | 1.41                         |                                           | POM polymers with self-lubricating components.                                                                                                                                                                                                                                                                               |
| POM-DI   | 1.41                         |               | POM polymers with self-lubricating components and improved impact resistance.                                                                                                                                                                                                                                                |
| POM-DK   | 1.41                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | POM-DK is a reinforced POM polymer designed for applications where high wear resistance is needed and/or high conveyor speeds are required. The material is typically used for wear parts on sideflexing belts or in applications where very high wear resistance is required.                                               |
| POM-LF   | 1.41                         |               | POM polymers with improved self-lubricating components.                                                                                                                                                                                                                                                                      |
| POM-SLF  | 1.41                         |               | POM polymers with self-lubricating additives to obtain the lowest possible coefficient of friction.                                                                                                                                                                                                                          |
| POM-NL   | 1.41                         |               | POM polymers with no lubricant suitable for applications where one wants to ensure that lubricity is not interfering with either the product adhesion bonding or altering the chemical nature of the product.                                                                                                                |

| Material | Density<br>g/cm <sup>3</sup> | Color                                                                               | Description                                                                                                                                                                                                                                                                                                                                                                                |
|----------|------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| POM-DAS  | 1.40                         |    | Antistatic POM with self-lubricating components is used in applications where you want to avoid build-up of the surface static electricity. POM-DAS is normally used for manriider belts avoid to discomfort due to static electricity; it can also be used in applications where sticking of products must be avoid. Eg. products wrapped in plastic foil.                                |
| POM-NLAS | 1.41                         |    | A non-lubricated antistatic POM, used in applications where static electricity must be avoid, due to human comfort, but where lubricants must be avoid, due to specific processes.                                                                                                                                                                                                         |
| POM-S    | 1.39                         |    | POM polymers that contain low noise components, mainly used for the new uni Snap Link® without pins.                                                                                                                                                                                                                                                                                       |
| POM-SI   | 1.40                         |    | High impact-resistant POM polymers that contain low noise components, mainly used for the new uni Snap Link® without pins.                                                                                                                                                                                                                                                                 |
| POM-SX   | 1.44                         |    | POM polymers with self-lubricating components. POM-SX will be the right solution where lower friction, higher load and lower noise (compared to standard POM) are required. POM-SX will mainly be used for high load capacity uni Snap Link® without pins.<br><br><i>Please note that POM-SX blue is not according to the standard color quality for blue. Small variations may occur.</i> |
| POM-EC   | 1.39                         |    | Electrically conductive POM is normally used in explosive areas where sparks and static must be avoided, such as areas with filling aerosol, camping gas, or the like. uni-chains standard EC holds a surface resistivity $\leq 1 \times 10^6$ Ohm according to IEC 60093/ASTM D257.                                                                                                       |
| POM-MD   | 1.47                         |  | POM-MD is a metal detectable polyoxymethylene, which mainly are used for belts to increase food safety. Possible belt breakages might lead to product contamination, which can be detected by use of this material.                                                                                                                                                                        |
| POM-XRD  | 1.75                         |  | POM-XRD is an X-ray detectable polyoxymethylene, which mainly are used in belts to increase food safety. Possible belt breakages might lead to product contamination, which can be detected by use of this material. POM-XRD is especially suitable for products were the food packaging is metalliferous, like tinfoil and metal lids.                                                    |

| Material | Density<br>g/cm <sup>3</sup> | Color                                                                               | Description                                                                                                                                                                                                                                                 |
|----------|------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PP       | 0.91                         |  | Polypropylene is a thermoplastic material with very good chemical resistance properties. PP is an economical material for applications with high temperatures.                                                                                              |
| PP-I     | 0.91                         |  | Polypropylene with improved impact resistance and improved properties at low temperatures. Use of PP-I in hot water should be avoided.                                                                                                                      |
| PP-MI    | 0.97                         |  | PP-MI is a metal detectable polypropylene, which mainly are used for belts to increase food safety. Possible belt breakages might lead to product contamination, which then can be detected by use of this material.                                        |
| PP-HW    | 0.90                         |  | PP-HW is a polypropylene which contains additives that reduce decomposition of olefinic material over time due to oxidization caused by metal ions in hot water applications like blanchers and cookers.                                                    |
| PP-AR    | 1.14                         |  | A glass filled homopolymer that is an acid resistant material which is used where very high chemical resistance is required.                                                                                                                                |
| PP-FREC  | 1.22                         |  | PP-FREC is a polypropylene based compound with both flame retardant and electrically conductive properties. The material holds a surface resistivity of $1 \times 10^3$ Ohm according to IEC60093/ASTM D257 and it is V0 rated according to UL94 at 3.2 mm. |

| Material | Density<br>g/cm <sup>3</sup> | Color                                                                             | Description                                                                                                                                                                                                   |
|----------|------------------------------|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PE       | 0.96                         |  | Polyethylene is used in low temperature applications and where high impact resistance is required.                                                                                                            |
| PE-I     | 0.95                         |  | Polyethylene with improved impact resistance.                                                                                                                                                                 |
| PE-MI    | 1.02                         |  | PE-MI is a metal detectable polyethylene, which mainly are used in belts to increase food safety. Possible belt breakages might lead to product contamination, which can be detected by use of this material. |

| Material | Density<br>g/cm <sup>3</sup> | Color                                                                             | Description                                                                                                                                    |
|----------|------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| PBT      | 1.31                         |  | PBT is a polybutylene terephthalate material. This material has good friction and wear properties as well as excellent hardness and stiffness. |
| PBT-GR   | 1.45                         |  | Glass reinforced polyester is a material with an extremely high resistance to wear and heat.                                                   |

| Material  | Density<br>g/cm <sup>3</sup> | Color                                                                               | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-----------|------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PA6-FR    | 1.16                         |  | Flame retardant polyamide is a fire restricting material used in surroundings where there is a danger of the chain being ignited. The PA6-FR material is rated as V-0 which is the best classification according to UL 94 standard to avoid burning.                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| PA6       | 1.13                         |  | Polyamide PA6 is a thermoplastic material. The combination of mechanical properties and chemical resistance makes this material suitable for many applications. Polyamide has a high resistance to wear and dynamic loads. This material is primarily used for sprockets.                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| PA6-GF    | 1.28                         |  | This polyamide is reinforced with glass fiber. PA6-GF will be the right solution where higher stiffness and higher strength are required, compared to standard polyamide. The combination of mechanical properties and chemical resistance makes this material suitable for many applications. Polyamide has a high resistance to wear and dynamic loads. Polyamide also has a larger working temperature range.                                                                                                                                                                                                                                                                                                         |
| PA6.6     | 1.13                         |  | Polyamide PA6.6 is a thermoplastic material with many fine properties. The material has a high resistance to wear, high strength and great stiffness. Furthermore, polyamide has a wide temperature range.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| PA6.6-H   | 1.14                         |  | PA6.6-H is a polyamide with the same properties as PA6.6. PA6.6-H improves upon PA6.6 in applications where higher temperature resistance is needed (e.g. shrink tunnels).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| PA6.6-GFH | 1.35                         |  | <p>PA6.6-GFH is a special heat-stabilized polyamid PA6.6 with glass fiber reinforcement. The base material is still the PA6.6 with its important properties, as high strength and great stiffness. The base material has a high resistance to wear, and the glass fiber contributes to increase these properties. The unique PA6.6-GFH is heat resistant, and thus especially suitable for applications that are exposed to strong heat for extended time periods.</p> <p><i>Note: PA materials will absorb water in wet environments which will cause expansion of the dimension with approx. 1-2%, depending on the temperature level and the humidity of the air. This is valid for all polyamide variations.</i></p> |

| Material | Density<br>g/cm <sup>3</sup> | Color                                                                             | Description                                                                                                                                                |
|----------|------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PVDF     | 1.78                         |  | Polyvinylidenfluoride is characterized by an especially high chemical resistance. Furthermore, PVDF has high wear resistance and good friction properties. |

| Material | Density<br>g/cm <sup>3</sup> | Color                                                                             | Description                                                                                                                     |
|----------|------------------------------|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| PC       | 1.20                         |  | Polycarbonate is characterized by being extremely impact resistant, even at low temperatures. The natural colour of PC is grey. |

| Material | Density<br>g/cm <sup>3</sup> | Color                                                                               | Description                                                                                                                                                                                                                                                                                                                                |
|----------|------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| POX-FREC | 1.34                         |    | POX-FREC is a relatively strong material with both flame retardant and electrically conductive properties. The material holds a surface resistivity of $1 \times 10^3$ Ohm according to IEC60093/ASTM D257 and it is V0 rated according to UL94 at 3 mm.<br><br>Several products made of POX-FREC are B1 fire rated according to DIN 4102. |
| POX-FR   | 1.15                         |  | POX-FR is flame retardant material with high strength and very good wear resistance. The POX-FR material is B1 fire rated according to DIN 4102, for some products.                                                                                                                                                                        |

| Material | Density<br>g/cm <sup>3</sup> | Color                                                                               | Description                                                                                                                                                                                                                                                |
|----------|------------------------------|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NBWR     | 1.22                         |  | NBWR is material with extremely high impact strength and very good wear resistance. The material is resistant towards UV light and ozone cracking, which makes it suitable for outdoor applications. NBWR is a very good noise-absorbing material as well. |

| UV-additives | Description                                                                                                                                                                                                                                                                                                                                                                       |  |  |
|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
| UV-A/B       | The UV-A/B stabilizer is an additive recommended for plastic materials used for outdoor applications. The UV-A/B stabilizer is able to protect materials against direct sunlight, is FDA approved and will increase the lifetime of plastic materials. The UV-A/B stabilizer is available for the most common materials such as POM, PP and PE.                                   |  |  |
| UV-C         | This UV-C stabilizer is specially developed for applications that are exposed to UV-C light. The special UV-C lights are used in the meat industry, where UV-C light is served to kill bacteria and microbes. The UV-C stabilizer holds an FDA approval and will increase the lifetime of the plastic material. This solution is only available in combination with POM material. |  |  |

## Expansion due to water absorption

All plastic materials absorb water from the surroundings, but very often it is not a major factor, except when dealing with Nylon (PA) material. With Nylon there can be a considerable change in dimension depending on the environment where the part is placed. The absorption of water causes the plastic part to swell and thus leads to a volume increase. The chart below shows the dimensional expansion of different materials due to moisture absorption (ISO 62 / ASTM D570 is based on changes in mass).

| Code      | Water Absorption<br>ISO 62 / ASTM D570 |                           | Linear Dimensional Expansion<br>Water Absorption |                           |
|-----------|----------------------------------------|---------------------------|--------------------------------------------------|---------------------------|
|           | Equilibrium<br>23°C / 50% RH<br>(%)    | Saturation<br>23°C<br>(%) | Equilibrium<br>23°C / 50% RH<br>(%)              | Saturation<br>23°C<br>(%) |
| PP        | 0.02                                   | 0.03                      | 0.01                                             | 0.01                      |
| PE        | 0.02                                   | 0.03                      | 0.01                                             | 0.01                      |
| POM       | 0.22                                   | 0.8                       | 0.1                                              | 0.37                      |
| PA6       | 2.8                                    | 8 – 10                    | 1.05                                             | 3 – 3.8                   |
| PA6.6     | 2.5                                    | 7 – 8.5                   | 0.95                                             | 2.7 – 3.2                 |
| PA6.6-GFH | 2.0                                    | 6.0                       | 0.8                                              | 2.36                      |
| PBT       | 0.2                                    | 0.5                       | 0.09                                             | 0.22                      |
| PBT-GR    | 0.15                                   | 0.4                       | 0.07                                             | 0.19                      |
| NBWR      | 0.2                                    | 0.6                       | 0.08                                             | 0.24                      |

Please note that the expansion shown above does not necessarily translate into belt/chain dimensions as there are many other factors involved.

## Expansion due to temperature

| Coefficient of linear thermal expansion between 23 and 55 °C |                                                      |                                                       |
|--------------------------------------------------------------|------------------------------------------------------|-------------------------------------------------------|
| Material                                                     | $\frac{\text{mm}}{(\text{m} \times ^\circ\text{C})}$ | $\frac{\text{in}}{(\text{ft} \times ^\circ\text{F})}$ |
| POM                                                          | 0.12                                                 | 0.0008                                                |
| PP                                                           | 0.13                                                 | 0.0009                                                |
| PE                                                           | 0.18                                                 | 0.0012                                                |
| PA6/PA6.6                                                    | 0.11                                                 | 0.0007                                                |
| PBT                                                          | 0.11                                                 | 0.0007                                                |

$$\Delta L = L \times e_c \times (T_2 - T_1)$$

$\Delta L$ : Length/width expansion, mm (in)

L: Length/width of belt at temperature T1, m (ft)

T2: Working temperature, °C (°F)

T1: Start temperature, 23°C (73.4°F)

$e_c$ : Coefficient of linear thermal expansion. See table above.

Friction

Values provided in the tables below are dynamic coefficient of friction under clean conditions. Values will normally be 0.1 to 0.2 higher at the starting moment.

| Material  | PE Dry | PE Wet | Lubricated PE Dry | Lubricated PA Dry | Stainless steel Dry | Stainless steel Wet |
|-----------|--------|--------|-------------------|-------------------|---------------------|---------------------|
| POM-NL    | 0.20   | 0.15   | 0.12              | 0.22              | 0.25                | 0.21                |
| POM-D     | 0.19   | 0.14   | 0.12              | 0.21              | 0.24                | 0.20                |
| POM-LF    | 0.18   | 0.13   | 0.12              | 0.20              | 0.23                | 0.19                |
| POM-SLF   | 0.17   | 0.12   | 0.12              | 0.19              | 0.22                | 0.18                |
| POM-SX    | 0.15   | 0.10   | 0.11              | 0.17              | 0.20                | 0.16                |
| PP        | 0.25   | 0.20   | 0.15              | 0.28              | 0.30                | 0.27                |
| PP-AR     | 0.26   | 0.22   | 0.18              | 0.28              | 0.32                | 0.27                |
| PE        | 0.25   | 0.20   | 0.15              | 0.22              | 0.25                | 0.20                |
| PA6/6.6   | 0.20   | n/a    | 0.15              | 0.22              | 0.30                | n/a                 |
| PA6.6-GFH | 0.26   | n/a    | 0.18              | 0.24              | 0.30                | n/a                 |

## Compounds and Polymer Materials

| Polymers and compounds                                               | Temperature range<br>in atmospheric air |            | Load index <sup>1)</sup> | Food Grade <sup>5)</sup> |
|----------------------------------------------------------------------|-----------------------------------------|------------|--------------------------|--------------------------|
|                                                                      | °C                                      | °F         |                          |                          |
| POM – Polyoxymethylene (D, DI, LF, LFI, SLF, SLFI, S, SI, SX and NL) | -40 to 90                               | -40 to 194 | 100                      | ✓                        |
| POM DK – Wear-resistant polyoxymethylen                              | -40 to 90                               | -40 to 194 | 100                      | -                        |
| POM DAS and NLAS – Antistatic polyoxymethylene                       | -40 to 90                               | -40 to 194 | 100                      | -                        |
| POM EC – Electrically conductive polyoxymethylene                    | -40 to 90                               | -40 to 194 | 60                       | -                        |
| POM MD – Metal detectable polyoxymethylene                           | -40 to 90                               | -40 to 194 | 100                      | ✓                        |
| POM XRD – X-ray detectable polyoxymethylene                          | -40 to 90                               | -40 to 194 | 100                      | ✓                        |
| PP – Polypropylene <sup>2) 3)</sup>                                  | 1 to 104                                | 34 to 219  | 50                       | ✓                        |
| PPI – Impact-resistant polypropylene                                 | -10 to 80                               | 14 to 176  | 40                       | ✓                        |
| PPMI – Metal-detectable polypropylene                                | -10 to 80                               | 14 to 176  | 35                       | ✓                        |
| PPHW – Hot water polypropylene                                       | 1 to 104                                | 34 to 219  | 50                       | ✓                        |
| PP AR – Acid resistance and glass-filled polypropylene               | 1 to 104                                | 34 to 219  | 50                       | -                        |
| PP-FREC – Flame retardant and electrical conductive polypropylene    | 1 to 104                                | 34 to 176  | 30                       | -                        |
| PE – Polyethylene                                                    | -50 to 80                               | -58 to 176 | 40                       | ✓                        |
| PE I – High impact resistant polyethylene                            | -50 to 80                               | -58 to 176 | 30                       | ✓                        |
| PEMI – Metal-detectable polyethylene                                 | -50 to 80                               | -58 to 176 | 30                       | ✓                        |
| PBT – Polyester <sup>4)</sup>                                        | -40 to 100                              | -40 to 212 | -                        | ✓                        |
| PBT GR – Glass-reinforced polyester <sup>4)</sup>                    | -40 to 125                              | -40 to 257 | 70                       | -                        |
| PA6 – Polyamide                                                      | -40 to 120                              | -40 to 248 | 100                      | ✓                        |
| PA6 GF – Glass-filled polyamide                                      | -40 to 120                              | -40 to 248 | 100                      | -                        |
| PA6.6 – Polyamide                                                    | -40 to 140                              | -40 to 284 | 100                      | ✓                        |
| PA6.6 H – Heat-stabilized polyamide                                  | -40 to 160                              | -40 to 320 | 100                      | -                        |
| PA6.6 GFH – Glass-filled and heat-stabilized polyamide               | -40 to 180                              | -40 to 356 | 100                      | ✓                        |
| PA FR – Flame-retardant polyamide                                    | -40 to 120                              | -40 to 248 | 90                       | -                        |
| PVDF – Polyvinylidenefluoride                                        | -40 to 100                              | -40 to 212 | 100                      | ✓                        |
| PC – Polycarbonate                                                   | -20 to 130                              | -4 to 266  | 50                       | -                        |
| POX-FREC – Flame retardant and electrically conductive material      | -30 to 110                              | -40 to 230 | 65                       | -                        |
| POX-FR – Flame retardant material                                    | -40 to 125                              | -40 to 257 | 100                      | ✓                        |
| NBWR – High impact and wear-resistance material                      | -30 to 80                               | -22 to 176 | 30                       | ✓                        |

<sup>1)</sup> The load indexation values are only indicative, the geometry of the items will also have an effect. Load index is for 23°C 50%RH.

<sup>2)</sup> Avoid impact below 8°C (46.4°F)

<sup>3)</sup> Dry. In wet hot applications use PPHW

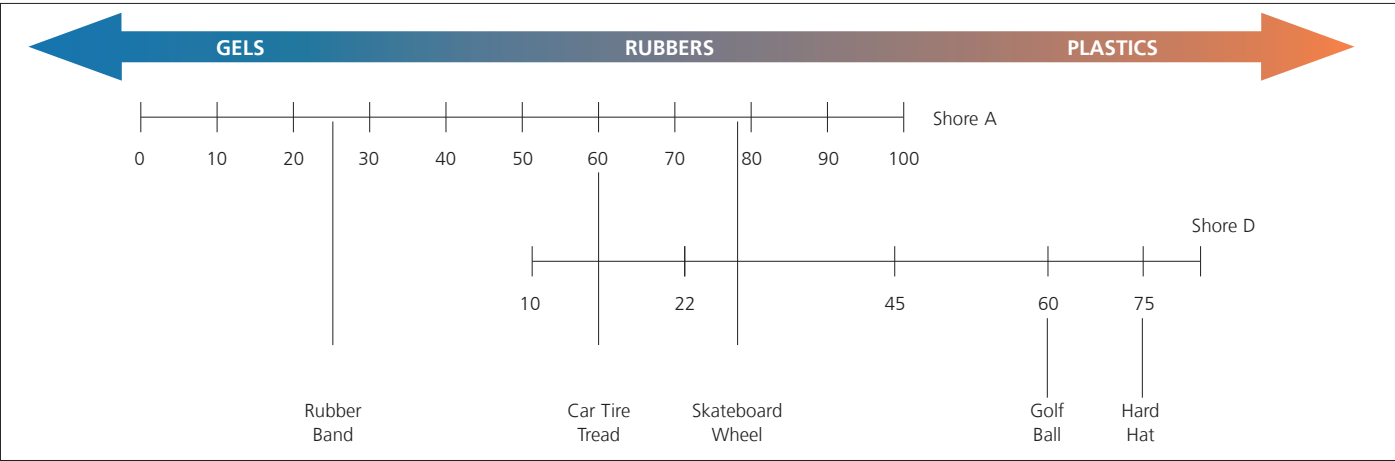
<sup>4)</sup> Max. temperature in water 60°C (140°F)

<sup>5)</sup> Not all colors are tested according to EC1935

Elastomer Materials

| Code | Type                   | Color       | Density<br>g/cm <sup>3</sup> | Hardness |         | Temperature Range |            | FDA | Attachment to<br>Base Link |
|------|------------------------|-------------|------------------------------|----------|---------|-------------------|------------|-----|----------------------------|
|      |                        |             |                              | Shore A  | Shore D | °C                | °F         |     |                            |
| 00K  | TPE-O                  | Black       | 0.97                         | 55       | -       | -40 to 100        | -40 to 212 | -   | Mechanical                 |
| 01N  | TPE-V                  | Natural     | 0.93                         | 64       | -       | -40 to 125        | -40 to 257 | ✓   | Mechanical                 |
| 01K  | TPE-V                  | Black       | 0.93                         | 64       | -       | -40 to 125        | -40 to 257 | ✓   | Mechanical                 |
| 03N  | TPE-S                  | Natural     | 1.19                         | 60       | -       | -40 to 80         | -40 to 176 | ✓   | Co-molding                 |
| 03K  | TPE-S                  | Black       | 1.19                         | 60       | -       | -40 to 80         | -40 to 176 | ✓   | Co-molding                 |
| 03W  | TPE-S                  | Black       | 1.19                         | 60       | -       | -40 to 80         | -40 to 176 | ✓   | Co-molding                 |
| 03B  | TPE-S                  | Blue        | 1.19                         | 60       | -       | -40 to 80         | -40 to 176 | ✓   | Co-molding                 |
| 04N  | TPE-A                  | Natural     | 1.00                         | -        | 25      | -40 to 80         | -40 to 176 | -   | Mechanical                 |
| 04K  | TPE-A                  | Black       | 1.00                         | -        | 25      | -40 to 80         | -40 to 176 | -   | Mechanical                 |
| 04W  | TPE-A                  | White       | 1.00                         | -        | 25      | -40 to 80         | -40 to 176 | -   | Mechanical                 |
| 05I  | TPE-U                  | Ivory       | 1.19                         | 85       | -       | -40 to 80         | -40 to 176 | ✓   | Mechanical                 |
| 05K  | TPE-U                  | Black       | 1.19                         | 85       | -       | -40 to 80         | -40 to 176 | ✓   | Mechanical                 |
| 06N  | TPE-O                  | Natural     | 0.94                         | -        | 40      | -40 to 70         | -40 to 158 | -   | Mechanical                 |
| 06K  | TPE-O                  | Black       | 0.94                         | -        | 40      | -40 to 70         | -40 to 158 | -   | Mechanical                 |
| 09N  | TPE-V                  | Black       | 0.97                         | 55       | -       | -40 to 125        | -40 to 257 | -   | Mechanical                 |
| 09K  | TPE-V                  | Black       | 0.97                         | 55       | -       | -40 to 125        | -40 to 257 | -   | Mechanical                 |
| 10W  | TPE-U                  | White       | 1.22                         | -        | 60      | -30 to 80         | -22 to 176 | ✓   | Mechanical                 |
| 10K  | TPE-U                  | Black       | 1.22                         | -        | 60      | -30 to 80         | -22 to 176 | ✓   | Mechanical                 |
| 10B  | TPE-U                  | Blue        | 1.22                         | -        | 60      | -30 to 80         | -22 to 176 | ✓   | Mechanical                 |
| 11N  | TPE-S                  | Natural     | 1.10                         | 30       | -       | -40 to 80         | -40 to 176 | ✓   | Co-molding                 |
| 11K  | TPE-S                  | Black       | 1.10                         | 30       | -       | -40 to 80         | -40 to 176 | ✓   | Co-molding                 |
| 11B  | TPE-S                  | Blue        | 1.10                         | 30       | -       | -40 to 80         | -40 to 176 | ✓   | Co-molding                 |
| 12K  | TPE-S FR <sup>1)</sup> | Black       | 1.12                         | 60       | -       | -40 to 104        | -40 to 219 | -   | Co-molding                 |
| 13N  | TPE-U                  | Transparent | 1.07                         | 75       | -       | -30 to 70         | -22 to 158 | ✓   | Mechanical                 |
| 13B  | TPE-U                  | Blue        | 1.07                         | 75       | -       | -30 to 70         | -22 to 158 | ✓   | Mechanical                 |
| 21N  | TPE-S                  | Natural     | 1.13                         | 86       | -       | -40 to 104        | -40 to 219 | ✓   | Co-molding                 |
| 21K  | TPE-S                  | Black       | 1.13                         | 86       | -       | -40 to 104        | -40 to 219 | ✓   | Co-molding                 |
| 21G  | TPE-S                  | Black       | 1.13                         | 86       | -       | -40 to 104        | -40 to 219 | ✓   | Co-molding                 |

<sup>1)</sup> FR = Flame Retardant



## Steels and cast Iron

| Werkstoff no. | AISI or DIN | Steel type            | Magnetic | Recommended Temperature Range |            | FDA / EC1935 | Stainless sustainability |
|---------------|-------------|-----------------------|----------|-------------------------------|------------|--------------|--------------------------|
|               |             |                       |          | °C                            | °F         |              |                          |
| 1.4305        | 303         | Stainless Austenitic  | N*       | -70 to 420                    | -95 to 790 | Y            | ++                       |
| 1.4301        | 304         | Stainless Austenitic  | N*       | -70 to 420                    | -95 to 790 | Y            | ++                       |
| 1.4404        | 316         | Stainless Austenitic  | N*       | -70 to 420                    | -95 to 790 | Y            | +++                      |
| 1.4021        | 420         | Stainless Martensitic | Y        | -70 to 420                    | -95 to 790 | Y            | +                        |
| 1.4016        | 430         | Stainless Ferritic    | Y        | -70 to 420                    | -95 to 790 | N            | ++                       |
| 1.0503        | 1045        | Hardened Carbon Steel | Y        | -70 to 500                    | -95 to 930 | N            | -                        |
| 1.0122        | St37-2      | Carbon Steel          | Y        | -70 to 500                    | -95 to 930 | N            | -                        |
| 1.0570        | St52-3      | Carbon Steel          | Y        | -70 to 500                    | -95 to 930 | N            | -                        |
| 0.6025        | GG-25       | Cast Iron             | Y        | -20 to 250                    | -4 to 480  | N            | -                        |

\* Machined items can be weak magnetic (AISI 316 will remain almost nonmagnetic in many cases).

## Composition (Weight %)

| Werkstoff no. | AISI or DIN | Steel type            | Max/min | C<br>Carbon | Cr<br>Chromium | Ni<br>Nickel | Mo<br>Molybdenum | Mn<br>Manganese | P<br>Phosphor | S<br>Sulphur | N<br>Nitrogen | Si<br>Silicone | Cu<br>Copper |
|---------------|-------------|-----------------------|---------|-------------|----------------|--------------|------------------|-----------------|---------------|--------------|---------------|----------------|--------------|
| 1.4305        | 303         | Stainless Austenitic  | min     | -           | 17             | 8            | -                | -               | -             | 0.15         | -             | -              | -            |
|               |             |                       | max     | 0.1         | 19             | 10           | -                | 2               | 0.045         | 0.35         | 0.1           | 1              | 1            |
| 1.4301        | 304         | Stainless Austenitic  | min     | -           | 17             | 8            | -                | -               | -             | -            | -             | -              | -            |
|               |             |                       | max     | 0.07        | 19.5           | 10.5         | -                | 2               | 0.045         | 0.015        | 0.1           | 1              | -            |
| 1.4404        | 316         | Stainless Austenitic  | min     | -           | 16.5           | 10           | 2                | -               | -             | -            | -             | -              | -            |
|               |             |                       | max     | 0.07        | 18.5           | 13           | 2.5              | 2               | 0.045         | 0.015        | 0.1           | 1              | -            |
| 1.4021        | 420         | Stainless Martensitic | min     | 0.16        | 12             | -            | -                | -               | -             | -            | -             | -              | -            |
|               |             |                       | max     | 0.25        | 14             | -            | -                | 1.5             | 0.04          | 0.015        | -             | 1              | -            |
| 1.4016        | 430         | Stainless Ferritic    | min     | -           | 16             | -            | -                | -               | -             | -            | -             | -              | -            |
|               |             |                       | max     | 0.08        | 18             | -            | -                | 1               | 0.04          | 0.015        | -             | 1              | -            |
| 1.0503        | 1045        | Hardened Carbon Steel | min     | 0.42        | -              | -            | -                | 0.5             | -             | -            | -             | -              | -            |
|               |             |                       | max     | 0.5         | 0.4            | 0.4          | 0.1              | 0.8             | 0.045         | 0.045        | -             | 0.045          | -            |
| 1.0122        | St37-2      | Carbon Steel          | min     | -           | -              | -            | -                | -               | -             | -            | -             | -              | -            |
|               |             |                       | max     | 0.17        | -              | -            | -                | 1.4             | 0.045         | 0.045        | 0.009         | -              | -            |
| 1.0570        | St52-3      | Carbon Steel          | min     | -           | -              | -            | -                | -               | -             | -            | -             | -              | -            |
|               |             |                       | max     | 0.2         | -              | 0.3          | 0.08             | 1.6             | 0.035         | 0.035        | -             | 0.5            | -            |
| 0.6025        | GG-25       | Cast Iron             | min     | 3.0         | -              | -            | -                | 0.5             | 0.5           | -            | -             | 1.5            | -            |
|               |             |                       | max     | 3.5         | -              | -            | -                | 1               | 0.7           | 0.15         | -             | 2.5            | -            |

**C:** Carbon is a harmful component in all non-martensitic stainless steels, it should be kept as low as possible. For martensitic steels that are hardened, high carbon content will give a high surface hardness.

**Cr:** Chromium will together with the surrounding oxygen, create the invisible passive layer, which is the hallmark for stainless steels. It also adds to the yield strength and heat resistance, so in general will high chromium content give a better corrosion and heat resistance, plus higher yield strength.

**Ni:** Nickel toughens the steel and increases the resistance against stress corrosion cracking.

**Mo:** Molybdenum increases the corrosive resistance, especially in environments with low pH values. Furthermore it is a contributor to the passive layer, even better than chromium.

**Mn:** Manganese is in most cases a pollutant, but for some steels it is used as a cheap replacement for nickel.

**P:** Phosphor is an unwanted contaminant with negative effects regarding corrosion resistance, hence it should be kept as low as possible.

**S:** Sulphur is definitely unwanted with respects to the corrosion resistance; it can bond with manganese and form manganese sulfide (MnS), which is very corrosive. But MnS will make the steel short-chipped and give it better machine processing properties. E.g. is AISI 303 much easier to machine than AISI 304, but it is not near as corrosion resistant.

**N:** Nitrogen is a highly valuable element regarding corrosion resistance; even in very low quantities it has significant positive effects. The adding of nitrogen in the steel manufacturing is a very difficult process.

**Si:** Silicone is like manganese a pollutant in most cases; it does not have any greater effect on the corrosive characteristics.

**Cu:** Copper is an element, which will increase the corrosion resistance in anaerobic and acidic environments.

Pitting corrosion is the most common type of corrosion in application where Ammeraal Beltech Modular's products will be present. Based on an empirical equation can the corrosion resistance be determined by the PREN (Pitting Resistance Equivalent Number) – The higher PREN, the better corrosion resistance.

$$\text{PREN} = 1 \times \% \text{Cr} + 3.3 \times \% \text{Mo} + 16 \times \% \text{N}$$

# Approvals

| FDA Approvals                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  | USDA Approvals                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>FDA US Food and Drug Administration</b><br>US Federal Agency approves materials for use with food contact.<br>The product range from Ammeraal Beltech Modular, uni-chains, holds the following FDA approved materials: <ul style="list-style-type: none"> <li>• POM (D, DI, LF, NL, SLF, S, SI, MD, XRD &amp; SX)</li> <li>• PP, PPI, PPMI &amp; PPHW</li> <li>• PE, PEI &amp; PEMI</li> <li>• PBT</li> <li>• PA6.6, PA6 &amp; PA6.6 GFH</li> <li>• PVDF</li> <li>• NBWR</li> <li>• Rubber code: 01, 03, 05, 10, 11, 13 &amp; 21</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  | <b>US Department of Agriculture</b><br>USDA evaluates and accepts products and equipment for use in the dairy, meat, and poultry industries. Belts from Ammeraal Beltech Modular, uni-chains, listed on this page are included in the USDA's Accepted Meat and Poultry Equipment book as accepted for food contact and packaged goods respectively. In addition, USDA inspectors accept belt styles on an individual plant basis.<br>USDA Dairy Grading Branch has issued Equipment Acceptance Certificates for the belt types listed on this page under USDA Dairy Accepted. |                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>FDA &amp; EC1935/2004</b><br>Ammeraal Beltech Modular A/S hereby declares that the materials in the belt type meet the requirements mentioned in Title 21:<br>Code of Federal Regulations, issued by the FDA according to paragraph 177.2600 for all wrapped and unwrapped foodstuffs.<br>The listed materials comply with the requirements: <ul style="list-style-type: none"> <li>• POM D Blue, POM D White</li> <li>• POM DI Blue, POM DI Grau, POM DI White</li> <li>• POM LF Brown, POM LF Natural</li> <li>• POM SLF Blue</li> <li>• POM S Blue, POM S White</li> <li>• POM SI Blue, POM SI White</li> <li>• POM MD</li> <li>• POM XRD</li> <li>• POM SX Blue, POM SX White</li> <li>• PP Blue, PP Grau, PP White</li> <li>• PPI Blue, PPI White</li> <li>• PPMI Blue</li> <li>• PPHW Light Blue, PPHW White</li> <li>• PE Natural, PE Blue</li> <li>• PE I Blue, PE I Grey, PE I Natural, PE I Orange, PE I White</li> <li>• PEMI Blue</li> <li>• PA6.6 Blue, PA6.6 Natural, PA6.6 White</li> </ul> |  | <b>USDA Accepted Meat and Poultry Equipment (Food Contact)</b> <ul style="list-style-type: none"> <li>• uni SNB M2 series</li> <li>• uni OPB 4C, uni OPB 4V C, uni OPB 4V 23%, uni OPB 4V 36%, uni OPB 8C and uni OPB 8 25%</li> </ul>                                                                                                                                                                                                                                                                                                                                        | <b>USDA Dairy Approval</b> <ul style="list-style-type: none"> <li>• uni MPB, uni MPB G, uni MPB GE, uni MPB N, uni MPB NE, uni MPB 18%, uni MPB 20% and uni MPB 22%</li> <li>• uni CNB C, uni CNB 18% and uni CNB 22%</li> </ul>                                                                                                                                                                                                                             |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  | <b>USDA Accepted Meat and Poultry Equipment (Packaged Products only)</b> <ul style="list-style-type: none"> <li>• uni Light</li> <li>• uni SNB M2 series</li> <li>• uni OPB 4C, uni OPB 4V C, uni OPB 4V 23%, uni OPB 4V 36%, uni OPB 8C and uni OPB 8 25%</li> </ul>                                                                                                                                                                                                                                                                                                         | <b>USDA Equipment Acceptance Certificate in compliance with NSF-3A-14159-003. Hygiene requirements for design of mechanical belt conveyors used in meat and poultry processing.</b><br>The approval covers the following products: <ul style="list-style-type: none"> <li>• uni MPB Single Link and bricklaid belts</li> <li>• uni MPB Product Supports and Side Guards</li> <li>• uni MPB Sprockets</li> <li>• uni Flex ONE</li> <li>• uni X-MPB</li> </ul> |



## Disclaimer

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All users should read our "**Warnings**" and "**Design Safety Guidelines**" before using our products.

## Warnings

### Fire

uni-chains® plastic products are, unless clearly specified, made from materials which support open flame. Products made from POM material (D, I, LF and SLF), when so exposed, will emit toxic fumes. uni-chains® plastic products should therefore not be exposed to extreme temperatures or open flame. Special care should be taken when undertaking repair work particularly when welding at a conveyor if the conveyor is equipped with plastic chains or belts.

### Personal Protection

Always use safety glasses when installing or repairing chains and belts and while securing or removing pins.

Use only suitable tools in good condition.

The weight of some products calls for the use of safety shoes.

When installing/removing or repairing chains or belts on a conveyor, the motor must be turned off.

### Design Safety Guidelines

Most plastic products will lose their mechanical properties if exposed to the sun or ultraviolet beams, which can lead to chain or belt breakage. This can also happen if the products are exposed to strong chemicals. Generally, this is a problem with pH values lower than 4.5 or higher than 9.

Always make sure that there is enough space in the conveyor frame to allow chains and belts to retract or expand when exposed to temperature variations.

Never exceed the maximum or minimum temperatures given by uni-chains®.

**Note:** The different materials have different temperature limits.

Care should be taken with high chain/belt speeds at which friction can lead to heating and subsequently melting of chain/belt as well as wearstrips. Do not exceed speeds recommended by uni-chains®.

Use only original uni-chains® sprockets with uni-chains® belts and chains.

When constructing conveyors it is important to always include sufficient cover around the moving parts to prevent fingers and clothing from being caught in the machinery. uni-chains® can also supply safety chains and side flexing belts which leave minimal gaps when turning through curves making them safer than regular chains.

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