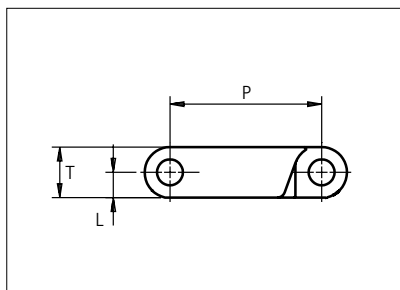
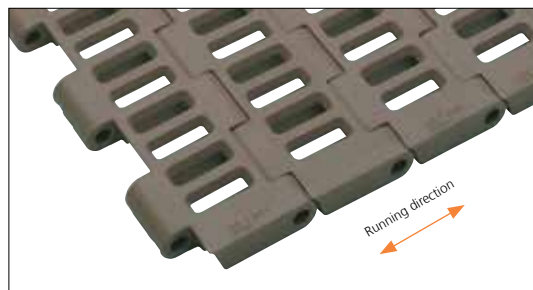


# Plastic Modular Belt

Series **uni SSB** Type **29%**



Straight running belt  
 Nominal pitch: 38.1 mm (1.50 in)  
 Surface type: Flat  
 Surface opening: 29%  
 Backflex radius: 45.0 mm (1.8 in)  
 Pin diameter: 6.4 mm (0.25 in)

| Belt material & color         | POM-LF                                                                                                                                                                                                                                                           | PP  |             | mm   | in   |   | mm   | in   |
|-------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|-------------|------|------|---|------|------|
| Pin and lock material & color |  PBT-GR   PP  |                                                                                      | P (Nominal) | 38.1 | 1.50 | T | 12.7 | 0.50 |
|                               |                                                                                                                                                                                                                                                                                                                                                   |                                                                                      | L           | 6.4  | 0.25 | - | -    | -    |

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

Alternative pin and lock materials: Pin: PP **W** SS304

| 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-LF/PBT-GR                                    |      | PP/PBT-GR |      | POM-LF/PBT-GR                      |       | PP/PBT-GR |       |                                             | **Carry<br>(pcs)                    | **Return<br>(pcs) |
| mm         | in   | N                                                | lbf  | N         | lbf  | kg/m                               | lb/ft | kg/m      | lb/ft |                                             |                                     |                   |
| 153        | 6.0  | 5508                                             | 1238 | 1989      | 447  | 1.7                                | 1.16  | 1.1       | 0.76  | 2                                           | 2                                   | 2                 |
| 229        | 9.0  | 8244                                             | 1853 | 2977      | 669  | 2.6                                | 1.74  | 1.7       | 1.14  | 2                                           | 2                                   | 2                 |
| 305        | 12.0 | 10980                                            | 2468 | 3965      | 891  | 3.4                                | 2.32  | 2.3       | 1.52  | 3                                           | 3                                   | 2                 |
| 381        | 15.0 | 13716                                            | 3083 | 4953      | 1113 | 4.3                                | 2.89  | 2.8       | 1.89  | 3                                           | 3                                   | 2                 |
| 457        | 18.0 | 16452                                            | 3698 | 5941      | 1336 | 5.2                                | 3.47  | 3.4       | 2.27  | 4                                           | 4                                   | 2                 |
| 533        | 21.0 | 19188                                            | 4313 | 6929      | 1558 | 6.0                                | 4.05  | 3.9       | 2.65  | 4                                           | 4                                   | 2                 |
| 609        | 24.0 | 21924                                            | 4929 | 7917      | 1780 | 6.9                                | 4.62  | 4.5       | 3.03  | 5                                           | 5                                   | 3                 |
| 685        | 27.0 | 24660                                            | 5544 | 8905      | 2002 | 7.7                                | 5.20  | 5.1       | 3.41  | 5                                           | 5                                   | 3                 |
| 761        | 30.0 | 27396                                            | 6159 | 9893      | 2224 | 8.6                                | 5.78  | 5.6       | 3.78  | 6                                           | 6                                   | 3                 |
| 838        | 33.0 | 30168                                            | 6782 | 10894     | 2449 | 9.5                                | 6.36  | 6.2       | 4.17  | 6                                           | 6                                   | 3                 |
| 914        | 36.0 | 32904                                            | 7397 | 11882     | 2671 | 10.3                               | 6.94  | 6.8       | 4.55  | 7                                           | 7                                   | 4                 |
| 990        | 39.0 | 35640                                            | 8012 | 12870     | 2893 | 11.2                               | 7.52  | 7.3       | 4.92  | 7                                           | 7                                   | 4                 |

Additional standard belt widths are available in steps of 76.1 mm (3.00 in). Additional non-standard belt widths are available in steps of 25.4 mm (1.00 in).

|      |      |       |       |       |      |      |       |      |      |    |    |   |
|------|------|-------|-------|-------|------|------|-------|------|------|----|----|---|
| 1979 | 77.9 | 71244 | 16016 | 25727 | 5783 | 22.4 | 15.03 | 14.6 | 9.84 | 14 | 14 | 7 |
|------|------|-------|-------|-------|------|------|-------|------|------|----|----|---|

Additional standard belt widths are available in steps of 76.1 mm (3.00 in). Additional non-standard belt widths are available in steps of 25.4 mm (1.00 in).

|      |       |        |       |       |      |      |       |      |       |    |    |    |
|------|-------|--------|-------|-------|------|------|-------|------|-------|----|----|----|
| 2968 | 116.9 | 106848 | 24019 | 38584 | 8674 | 33.5 | 22.54 | 22.0 | 14.76 | 20 | 20 | 10 |
|------|-------|--------|-------|-------|------|------|-------|------|-------|----|----|----|

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.

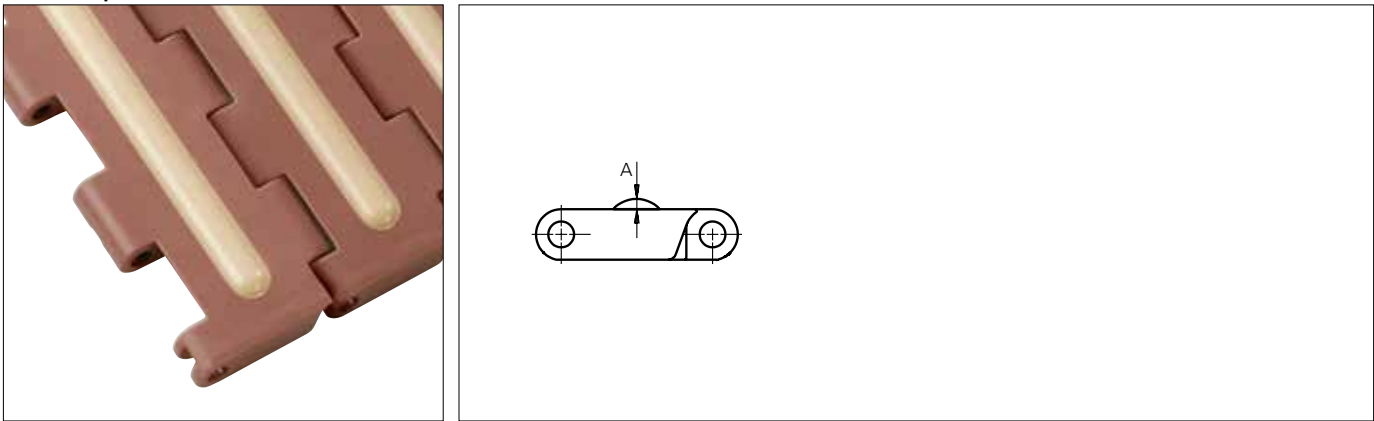
\*Max. Load per Drive Sprocket. Belt material: POM-LF 2000 N (450 lbf), PP 1200 N (270 lbf).

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

 = Single Link

Accessories

Rubber Top

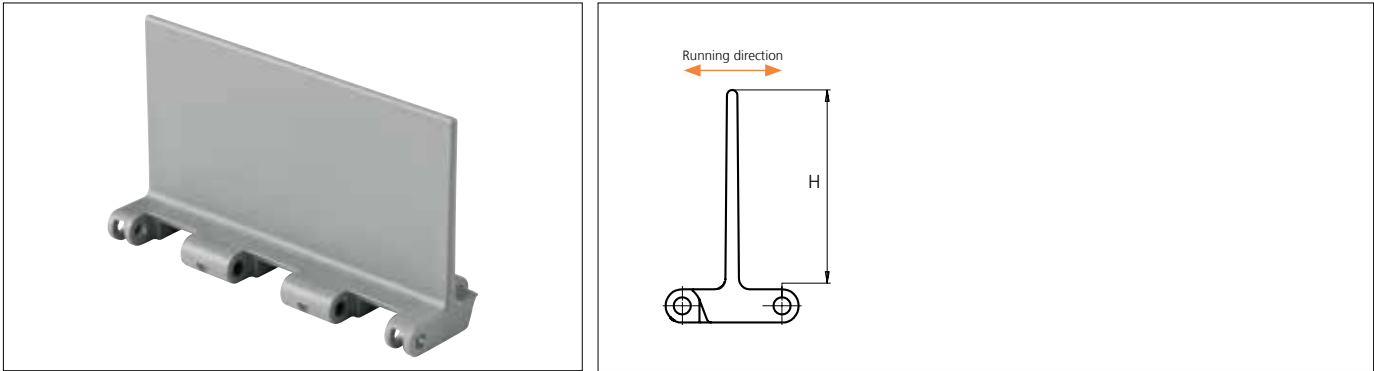


| Type   | Belt material & color | Rubber material & color | A   |      | Link size | Width |      |
|--------|-----------------------|-------------------------|-----|------|-----------|-------|------|
|        |                       |                         | mm  | in   |           | mm    | in   |
| Curved | POM-LF <b>BR</b>      | 05 <b>I</b>             | 2.5 | 0.10 | K300      | 76.0  | 2.99 |
|        |                       |                         |     |      | K600      | 152.2 | 5.99 |

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

Accessories

Flight



| Type | Flight Material & color | H    |      | Link size | Width |      |
|------|-------------------------|------|------|-----------|-------|------|
|      |                         | mm   | in   |           | mm    | in   |
| Flat | PP-I <b>G</b>           | 76.1 | 3.00 | K600      | 152.0 | 5.99 |

Non Standard material and color: See uni Material and Color Overview.  
Minimum bricklaid indent is for uni SSB Product Support 50.8 mm (2.00 in)  
Increment: 25.4 mm (1.00 in)

## Sprocket

| No. of teeth | Bore size  |    |      |      |      |      |      |      |      |      |      |      |      | Overall diameter |      | Pitch diameter |      | Hub diameter |      | Dimension A |      | Dimension B |      | Single row/Two way | Double row/Two way | Molded PA6 LG | Machined PA6 N |
|--------------|------------|----|------|------|------|------|------|------|------|------|------|------|------|------------------|------|----------------|------|--------------|------|-------------|------|-------------|------|--------------------|--------------------|---------------|----------------|
|              | Pilot Bore | in | 0.75 | 0.78 | 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             |
| Z19          | x          |    |      |      |      | ●    | ●    | ●    | ■    | ●    |      |      |      | 117              | 4.61 | 117.3          | 4.62 | 75           | 2.95 | 49.1        | 1.93 | 65          | 2.56 | x                  | x                  | x             |                |
| Z21          | x          |    |      |      |      | ●    | ●    | ●    | ■    | ●    |      |      |      | 130              | 5.12 | 129.3          | 5.09 | 75           | 2.95 | 55.4        | 2.18 | 71          | 2.80 | x                  | x                  | x             |                |
| Z23          | x          |    |      |      |      | ●    | ●    | ●    | ■    | ●    |      |      |      | 142              | 5.59 | 141.2          | 5.56 | 75           | 2.95 | 61.6        | 2.43 | 77          | 3.03 | x                  | x                  | x             |                |
| Z25          | x          |    |      |      |      |      | ●    | ●    | ■    | ●    |      |      |      | 155              | 6.10 | 153.2          | 6.03 | 75           | 2.95 | 67.8        | 2.67 | 83          | 3.27 | x                  | x                  | x             |                |
| Z27          | x          |    |      |      |      |      |      | ●    | ■    | ■    |      |      |      | 167              | 6.57 | 165.2          | 6.5  | 75           | 2.95 | 74          | 2.91 | 89          | 3.50 |                    | x                  |               | x              |
| Z29          | x          |    |      |      |      |      |      | ●    | ■    | ■    |      |      |      | 179              | 7.05 | 177.2          | 6.98 | 75           | 2.95 | 80.2        | 3.16 | 95          | 3.74 |                    | x                  |               | x              |
| Z31          | x          |    |      |      |      |      |      | ●    | ■    | ■    |      |      |      | 192              | 7.56 | 198.3          | 7.81 | 75           | 2.95 | 86.4        | 3.40 | 101         | 3.98 |                    | x                  |               | x              |

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

■ Molded sprocket



● Molded sprocket



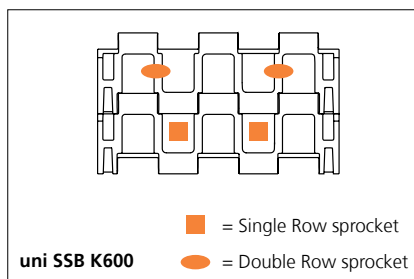
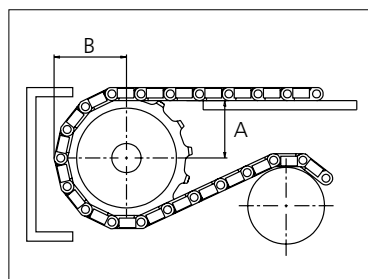
● Molded sprocket



■ Machined sprocket



● Machined sprocket



| Belt material | POM  |     | PP   |     |
|---------------|------|-----|------|-----|
|               | N    | lbf | N    | lbf |
| uni SSB       | 2000 | 450 | 1200 | 270 |

Other sprocket sizes are available upon request.

Two-part sprocket are available upon request.

Round bores are always delivered with keyway.

Other bore sizes are available upon request.

uni Retainer Rings: See uni Retainer Ring data sheet

Width of tooth: 15.0 mm/0.59 in

Width of sprocket: Single row = 42.3 mm (1.67 in)

Double row = 42.3 mm (1.67 in)

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

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

For correct sprocket position: See uni Assembly Instructions for uni SSB.

For more detailed sprocket information, contact Customer Service.



Conveyor Belts



Seamless Belts



Modular Belts



Timing Belts



Transmission Belts



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