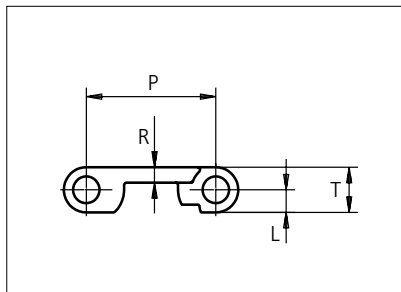




# Plastic Modular Belt

Series **uni CNB** Type **18%**



Straight running belt  
 Nominal pitch: 25.4 mm (1.00 in)  
 Surface type: Flat  
 Surface opening: 18%  
 Backflex radius: 40.0 mm (1.60 in)  
 Pin diameter: 5.0 mm (0.20 in)

|                                  |             |                    |           |      |           |             |
|----------------------------------|-------------|--------------------|-----------|------|-----------|-------------|
| <b>Belt material &amp; color</b> | PP <b>W</b> | <b>mm</b>          | <b>in</b> |      | <b>mm</b> | <b>in</b>   |
| <b>Pin material &amp; color</b>  | PP <b>W</b> | <b>P (Nominal)</b> | 25.4      | 1.00 | <b>T</b>  | 8.8<br>0.35 |
|                                  |             | <b>R</b>           | 3.0       | 0.12 | <b>L</b>  | 4.4<br>0.17 |

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

Alternative pin and lock materials: Pin: PE **W** PA6.6 **B** PBT **LG** SS304 Lockpin: PBT **LG** PA6.6 **N** PP **W** **B** PE **N**

| Belt width |      | Permissible tensile force (Belt/pin material) |      | Belt weight (Belt/pin material) |       | *Min. No. drive sprocket per shaft | Number of wear strips (Min. No.) |                |
|------------|------|---|------|---------------------------------|-------|------------------------------------|----------------------------------|----------------|
|            |      | PP/PP   |      | PP/PP                           |       |                                    | **Carry (pcs)                    | **Return (pcs) |
| mm         | in   | N   | lbf  | kg/m                            | lb/ft |                                    |                                  |                |
| 77         | 3.0  | 539   | 121  | 0.3                             | 0.18  | 2                                  | 2                                | 2              |
| 153        | 6.0  | 1071  | 241  | 0.5                             | 0.36  | 2                                  | 2                                | 2              |
| 229        | 9.0  | 1603  | 360  | 0.8                             | 0.54  | 2                                  | 2                                | 2              |
| 305        | 12.0 | 2135  | 480  | 1.1                             | 0.72  | 3                                  | 3                                | 2              |
| 381        | 15.0 | 2667  | 600  | 1.3                             | 0.90  | 3                                  | 3                                | 2              |
| 457        | 18.0 | 3199  | 719  | 1.6                             | 1.07  | 4                                  | 4                                | 2              |
| 533        | 21.0 | 3731  | 839  | 1.9                             | 1.25  | 4                                  | 4                                | 2              |
| 609        | 24.0 | 4263  | 958  | 2.1                             | 1.43  | 5                                  | 5                                | 3              |
| 685        | 27.0 | 4795  | 1078 | 2.4                             | 1.61  | 5                                  | 5                                | 3              |
| 761        | 30.0 | 5327  | 1197 | 2.7                             | 1.79  | 6                                  | 6                                | 3              |
| 837        | 33.0 | 5859  | 1317 | 2.9                             | 1.97  | 6                                  | 6                                | 3              |
| 913        | 35.9 | 6391  | 1437 | 3.2                             | 2.15  | 7                                  | 7                                | 4              |
| 989        | 38.9 | 6923  | 1556 | 3.5                             | 2.33  | 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.)

|      |      |       |      |     |      |    |    |   |
|------|------|-------|------|-----|------|----|----|---|
| 1977 | 77.8 | 13839 | 3111 | 6.9 | 4.65 | 14 | 14 | 7 |
|------|------|-------|------|-----|------|----|----|---|

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.)

|      |       |       |      |      |      |    |    |    |
|------|-------|-------|------|------|------|----|----|----|
| 2965 | 116.7 | 20755 | 4666 | 10.4 | 6.97 | 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: PP 500 N (112 lbf)

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

= Single Link



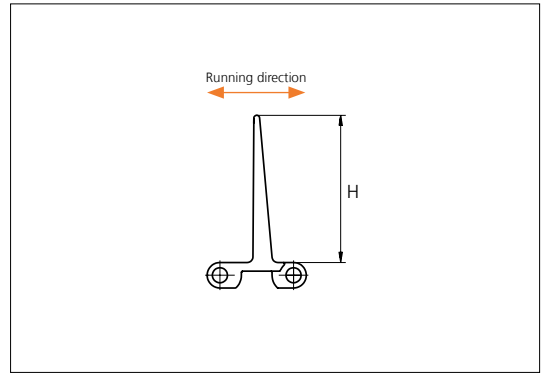
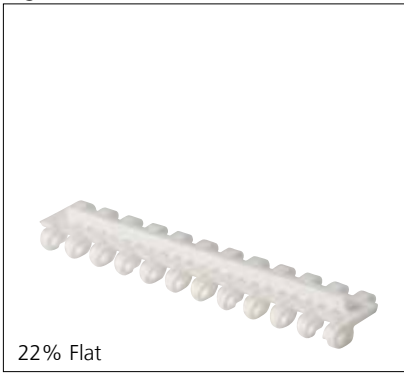
STANDARD

STRAIGHT RUNNING

PITCH 25.4 MM/1.00 IN

## Accessories

### Flight

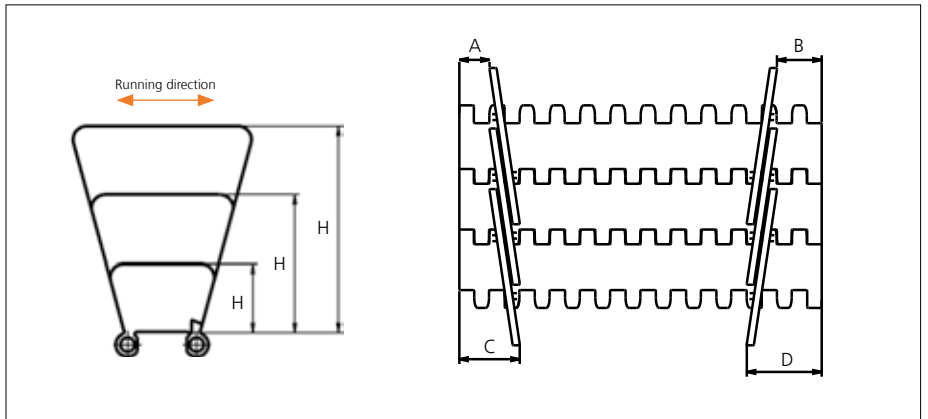


| Type     | Material & color        | H    |      | Link size | Width |      | Indent |      |
|----------|-------------------------|------|------|-----------|-------|------|--------|------|
|          |                         | mm   | in   |           | mm    | in   | mm     | in   |
| 22% Flat | PE  PP-I                | 5.0  | 0.20 | K300      | 75.9  | 2.99 | 6.4    | 0.25 |
|          |                         |      |      |           | 152.0 | 5.98 |        |      |
| Flat     | POM-D  PE<br>PP-I  PP-I | 25.4 | 1.00 | K600      | 152.0 | 5.98 | 0.0    | 0.00 |
|          |                         | 50.8 | 2.00 |           |       |      |        |      |
|          |                         | 76.2 | 3.00 |           |       |      |        |      |

Flat Flight: Flat on one side and with waves on the other side.  
 Minimum bricklaid indent is 38.1 mm (1.50 in). Increment: 12.7 mm (0.50 in).  
 Non Standard material and color: See uni Material and Color Overview.

## Accessories

### Side Guard



| Type   | Material & color | H    |      | A (Min.) |      | B (Min.) |      | C (Min.) |      | D (Min.) |      |
|--------|------------------|------|------|----------|------|----------|------|----------|------|----------|------|
|        |                  | mm   | in   | mm       | in   | mm       | in   | mm       | in   | mm       | in   |
| Closed | PP-I             | 25.4 | 1.00 | 12.5     | 0.49 | 18.5     | 0.73 | 25.5     | 1.00 | 31.5     | 1.24 |
|        |                  | 50.8 | 2.00 |          |      |          |      |          |      |          |      |
|        |                  | 76.2 | 3.00 |          |      |          |      |          |      |          |      |

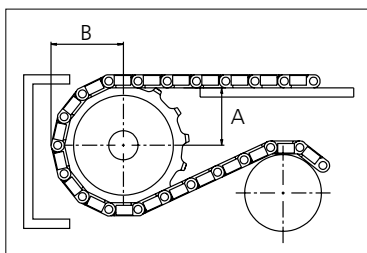
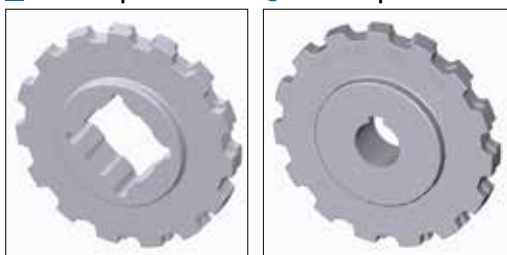
Minimum indent to outside of Side Guard: 14.0 mm (0.55 in). Increment 6.4 mm (0.25).  
 Non Standard material and color: See uni Material and Color Overview.  
 Backflex radius for Side Guard: 75.0 mm (2.95 in)

## Sprocket

| No of teeth | Bore size  |      |      |      |      |      |      |      |      |      |      |       |      |       | Overall diameter |      | Pitch-diameter |      | Hub-diameter |      | A-dimension |    | B-dimension |    | 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  |                  |      |                |      |              |      |             |    |             |    |                    |                    |               |                |
|             | 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 | mm          | in | mm                 | in                 |               |                |
| Z10         | x          |      |      | ●    | ●    | ●    | ●    |      |      |      |      | 80.0  | 3.15 | 82.2  | 3.24             | 65.0 | 2.56           | 34.7 | 1.37         | 45.5 | 1.79        |    | x           | x  |                    |                    |               |                |
| Z12         | x          |      |      |      | ●    | ●    | ●    |      |      |      |      | 96.8  | 3.81 | 98.1  | 3.86             | 70.0 | 2.76           | 43.0 | 1.69         | 53.5 | 2.11        |    | x           | x  |                    |                    |               |                |
| Z15         | x          |      |      |      | ●    | ●    | ●    |      |      |      |      | 121.5 | 4.78 | 122.2 | 4.81             | 70.0 | 2.76           | 55.3 | 2.18         | 65.5 | 2.58        |    | x           | x  |                    |                    |               |                |
| Z18         | x          |      |      |      |      | ●    | ●    | ■    | ■    |      |      | 146.0 | 5.75 | 146.3 | 5.76             | 70.0 | 2.76           | 67.6 | 2.66         | 77.5 | 3.05        |    | x           | x  |                    |                    |               |                |
| Z19         | x          |      |      |      |      | ●    | ●    | ■    | ■    |      |      | 154.2 | 6.07 | 154.3 | 6.07             | 70.0 | 2.76           | 71.7 | 2.82         | 81.6 | 3.21        |    | x           | x  |                    |                    |               |                |

■ Molded sprocket

● Molded sprocket



Other sprocket sizes are available upon request.  
 Two-part sprockets are available upon request.  
 Round bores are always delivered with keyway.  
 Other bore sizes are available upon request.  
 uni Retainer Rings: See uni Retainer Ring data sheet.  
 Width of tooth = 12.0 mm (0.47 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 CNB.  
 For more detailed sprocket information, contact Customer Service.

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



Conveyor Belts



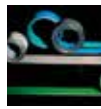
Seamless Belts



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