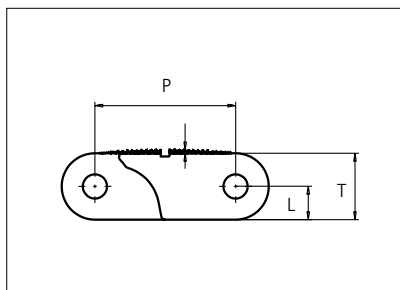




# Plastic Modular Belt

Series **uni XLB** Type **M2 15% Rough**



Straight running belt  
Nominal pitch: 63.5 mm (2.50 in)  
Surface type: Rough Top  
Surface opening: 15%  
Backflex radius: 100.0 mm (3.90 in)  
Pin diameter:  $\varnothing$ 10 mm (0.39 in)

| Belt material & color         | POM-NLAS                                                                                                                                                                                                                                                        |  |             | mm   | in   |   | mm   | in   |
|-------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------|------|------|---|------|------|
| Pin and lock material & color |  PA6.6   PP  |  | P (Nominal) | 63.5 | 2.50 | T | 30.0 | 1.18 |
|                               |                                                                                                                                                                                                                                                                                                                                                  |  | L           | 15.0 | 0.59 | - | -    | -    |

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

Alternative pin and lock materials: Pin: 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-NLAS/PA6.6                                   |       | POM-NLAS/SS |       | POM-NLAS/PA6.6                     |       | POM-NLAS/SS |       |                                             | **Carry<br>(pcs)                    | **Return<br>(pcs) |
| mm         | in   | N                                                | lbf   | N           | lbf   | kg/m                               | lb/ft | kg/m        | lb/ft |                                             |                                     |                   |
| 101        | 4.0  | 9045                                             | 2033  | 10050       | 2259  | 3.1                                | 2.09  | 4.1         | 2.76  | 2                                           | 2                                   | 2                 |
| 201        | 7.9  | 18054                                            | 4059  | 20060       | 4510  | 6.2                                | 4.18  | 8.2         | 5.50  | 2                                           | 2                                   | 2                 |
| 301        | 11.8 | 27063                                            | 6084  | 30070       | 6760  | 9.3                                | 6.26  | 12.3        | 8.25  | 3                                           | 3                                   | 2                 |
| 401        | 15.8 | 36072                                            | 8109  | 40080       | 9010  | 12.4                               | 8.35  | 16.4        | 10.99 | 3                                           | 3                                   | 2                 |
| 501        | 19.7 | 45082                                            | 10134 | 50091       | 11260 | 15.5                               | 10.44 | 20.4        | 13.73 | 4                                           | 4                                   | 2                 |
| 601        | 23.7 | 54091                                            | 12160 | 60101       | 13511 | 18.6                               | 12.52 | 24.5        | 16.48 | 5                                           | 5                                   | 3                 |
| 701        | 27.6 | 63100                                            | 14185 | 70111       | 15761 | 21.7                               | 14.61 | 28.6        | 19.22 | 5                                           | 5                                   | 3                 |
| 801        | 31.5 | 72109                                            | 16210 | 80121       | 18011 | 24.8                               | 16.69 | 32.7        | 21.97 | 6                                           | 6                                   | 3                 |
| 901        | 35.5 | 81118                                            | 18235 | 90131       | 20261 | 27.9                               | 18.78 | 36.8        | 24.71 | 7                                           | 7                                   | 4                 |
| 1001       | 39.4 | 90127                                            | 20261 | 100141      | 22512 | 31.0                               | 20.86 | 40.9        | 27.46 | 7                                           | 7                                   | 4                 |
| 1102       | 43.4 | 99136                                            | 22286 | 110151      | 24762 | 34.1                               | 22.95 | 44.9        | 30.20 | 8                                           | 8                                   | 4                 |
| 1202       | 47.3 | 108145                                           | 24311 | 120162      | 27012 | 37.3                               | 25.03 | 49.0        | 32.95 | 9                                           | 9                                   | 5                 |
| 1302       | 51.2 | 117155                                           | 26336 | 130172      | 29263 | 40.4                               | 27.12 | 53.1        | 35.69 | 9                                           | 9                                   | 5                 |

Additional standard belt widths are available in steps of 100.1 mm (3.94 in.) Additional non-standard belt widths are available in steps of 33.4 mm (1.31 in.)

|      |      |        |       |        |       |      |       |      |       |    |    |   |
|------|------|--------|-------|--------|-------|------|-------|------|-------|----|----|---|
| 1902 | 74.9 | 171180 | 38481 | 190200 | 42757 | 59.0 | 39.63 | 77.6 | 52.15 | 13 | 13 | 7 |
|------|------|--------|-------|--------|-------|------|-------|------|-------|----|----|---|

Additional standard belt widths are available in steps of 100.1 mm (3.94 in.) Additional non-standard belt widths are available in steps of 33.4 mm (1.31 in.)

|      |       |        |       |        |       |      |       |       |       |    |    |    |
|------|-------|--------|-------|--------|-------|------|-------|-------|-------|----|----|----|
| 2903 | 114.3 | 261270 | 58733 | 290300 | 65259 | 90.0 | 60.48 | 118.4 | 79.60 | 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.

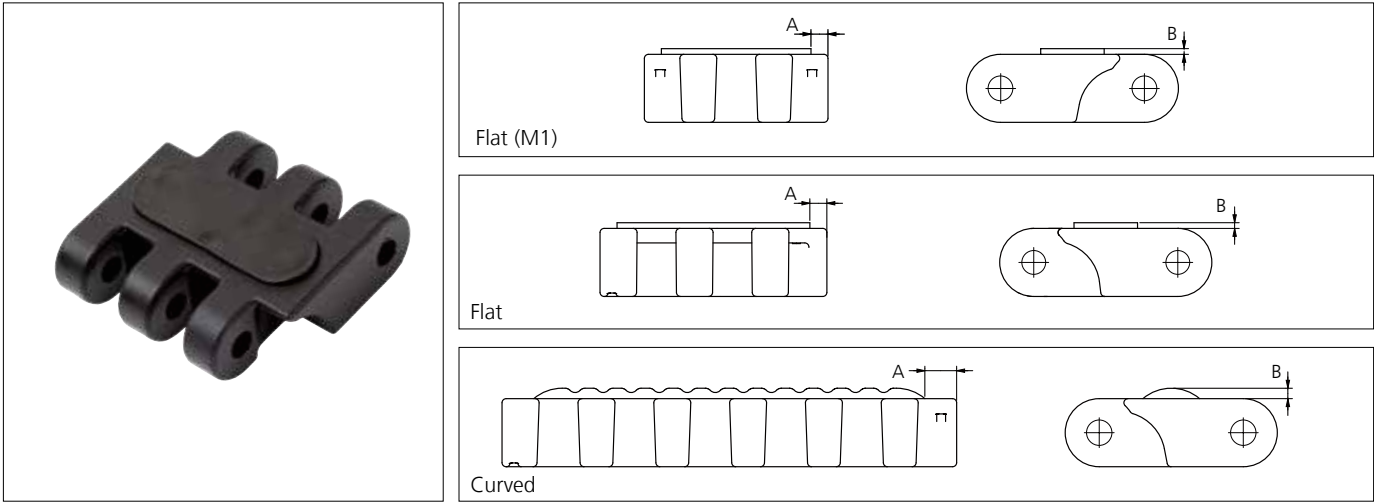
\*Max. Load per Drive Sprocket. Belt material: POM-NLAS 12000 N (2698 lbf).

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

= Single Link

Accessories

Rubber Top

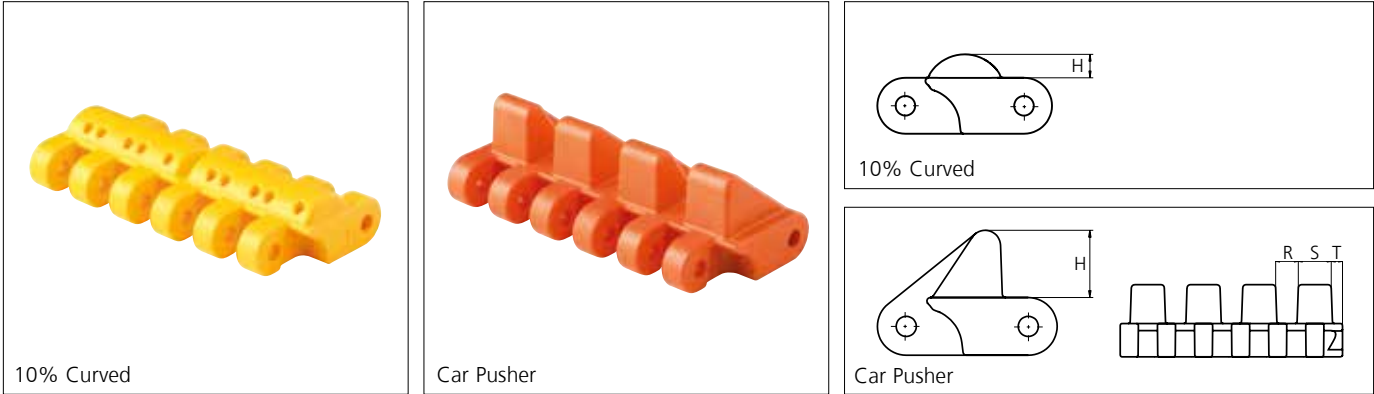


| Type   | Belt<br>Material & color | Rubber<br>Material & color | A    |      | B   |      | Link<br>size | Width |      |
|--------|--------------------------|----------------------------|------|------|-----|------|--------------|-------|------|
|        |                          |                            | mm   | in   | mm  | in   |              | mm    | in   |
| Flat   | POM-NL <b>K</b>          | 05 <b>K</b>                | 7.5  | 0.3  | 2.5 | 0.10 | K318         | 81.1  | 3.19 |
|        |                          |                            | 7.5  | 0.3  | 2.5 | 0.10 | K400         | 100.1 | 3.94 |
| Curved |                          |                            | 14.0 | 0.58 | 4.6 | 0.18 | K800         | 200.2 | 7.88 |

Other Non Standard Rubber profiles: See uni Rubber Profile Overview.

Accessories

Flight



| Type       | Material & color  | H    |      | Link size | Width |      | R    |      | S    |      | T   |      |
|------------|-------------------|------|------|-----------|-------|------|------|------|------|------|-----|------|
|            |                   | mm   | in   |           | mm    | in   | mm   | in   | mm   | in   | mm  | in   |
| 10% Curved | POM-D UV <b>Y</b> | 12.5 | 0.49 | K400      | 101.6 | 4.00 | -    | -    | -    | -    | -   | -    |
|            |                   |      |      | K800      | 199.6 | 7.86 |      |      |      |      |     |      |
| Car Pusher | POM-DK <b>O</b>   | 35.0 | 1.38 | K800      | 199.6 | 7.86 | 18.1 | 0.71 | 32.0 | 1.26 | 9.0 | 0.35 |

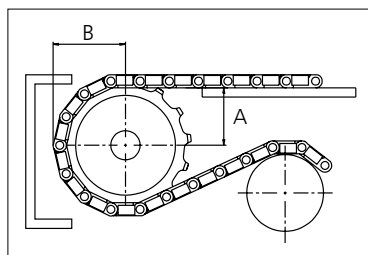
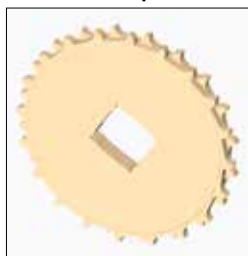
Non Standard material and color: See uni Material and Color Overview.

## Sprocket

| No of teeth | Pilot Bore | Bore size |    |      |      |      |      |      |      |      |      | Overall diameter |       | Pitch-diameter |       | Hub-diameter |       | A-dimen-<br>sion |       | B-dimen-<br>sion |       | Single row/Two way | Double row/Two way | Molded<br>PA6 LG | Machined<br>PA6 N |      |     |
|-------------|------------|-----------|----|------|------|------|------|------|------|------|------|------------------|-------|----------------|-------|--------------|-------|------------------|-------|------------------|-------|--------------------|--------------------|------------------|-------------------|------|-----|
|             |            | mm        | in | 0.75 | 0.78 | 0.98 | 1.00 | 1.18 | 1.25 | 1.50 | 1.57 |                  |       |                |       |              |       |                  |       |                  |       |                    |                    |                  |                   | 2.36 | 2.5 |
|             |            | 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   |     |
| Z10         | x          |           |    |      |      |      |      | ■    | ■    | ■    | ■    | ■                | 204.3 | 8.04           | 205.5 | 8.09         | 100.0 | 3.94             | 82.7  | 3.26             | 117.8 | 4.64               |                    | x                | x                 |      |     |
| Z13         | x          |           |    |      |      |      |      |      | ■    | ■    | ■    | ■                | ■     | 264.4          | 10.41 | 265.4        | 10.45 | 150.0            | 5.91  | 113.8            | 4.48  | 147.7              | 5.81               |                  | x                 | x    |     |
| Z15         | x          |           |    |      |      |      |      |      | ■    | ■    | ■    | ■                | ■     | 306.0          | 12.05 | 305.4        | 12.02 | 150.0            | 5.91  | 134.4            | 5.29  | 167.7              | 6.60               |                  | x                 | x    |     |
| Z20         | x          |           |    |      |      |      |      |      | ■    | ■    | ■    | ■                | ■     | 408.0          | 16.06 | 406.0        | 15.98 | 360.0            | 14.07 | 185.5            | 7.30  | 218                | 8.58               |                  | x                 |      | x   |

■ Molded sprocket

■ Machined sprocket



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 = 16.0 mm (0.63 in)

Width of sprocket = 33.0 mm (1.30 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 XLB.

For more detailed sprocket information, contact Customer Service.

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



Conveyor



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Modular



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**Ammeraal Beltech Modular A/S**  
Hjulgagervej 21  
DK-7100 Vejle

T +45 7572 3100  
F +45 7572 3348  
[admin@unichains.com](mailto:admin@unichains.com)  
[www.unichains.com](http://www.unichains.com)

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