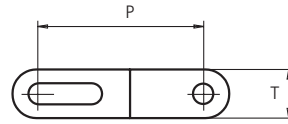
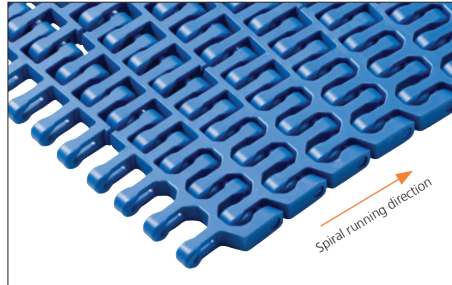




# Plastic Modular Belt

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



Sideflexing belt  
Nominal pitch: 50.8 mm (2.00 in)  
Surface type: Flat  
Surface opening: 47%/50%  
Backflex radius: 65.0 mm (2.56 in)  
Pin diameter: 6.0 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   |
|-----------------------------------|----------------|-------------|------|------|
| Recommended Pin material & color  | PA6.6 <b>B</b> | P (Nominal) | 50.8 | 2.00 |
|                                   |                | 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.

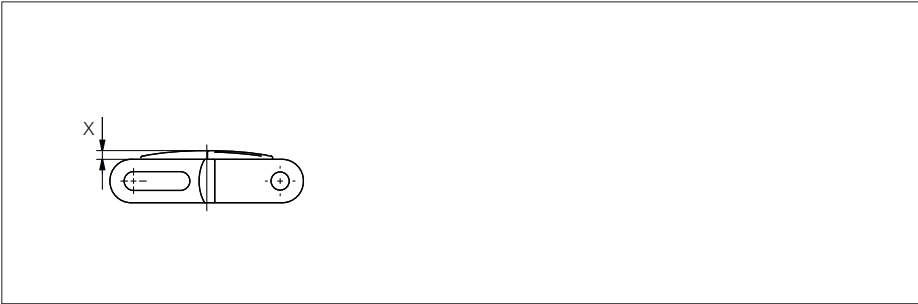
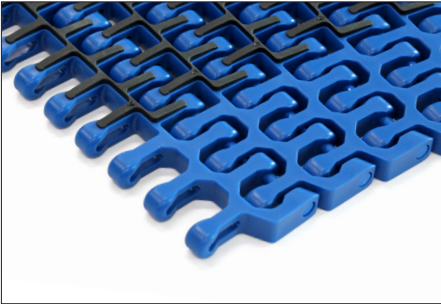
\*Max. Load per Drive Sprocket. Belt material: POM-D 2500 N (562 lbf), PP 1200 N (270 lbf).

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

= Single Link

Accessories

Rubber Top

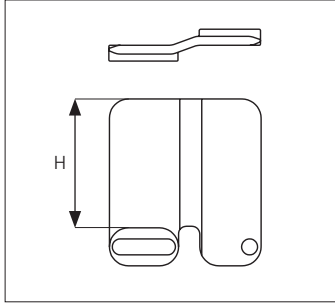
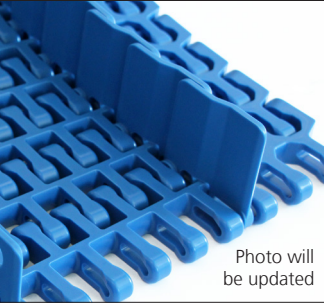


| Type   | Belt material & color | Rubber material, hardness & color | X   |      |
|--------|-----------------------|-----------------------------------|-----|------|
|        |                       |                                   | mm  | in   |
| Curved | PP <b>B</b>           | TPE-S Shore A60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

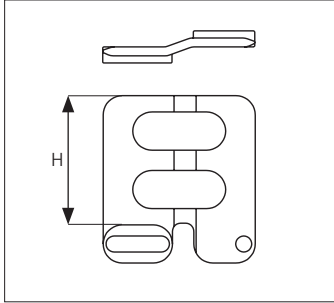
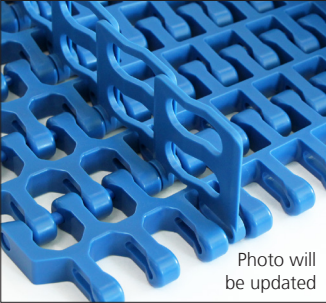
uni Flex L-ASB Rubber Top: Indent min. 71.0 mm (2.80 in) and Increment 25.4 mm (1.00).

Accessories

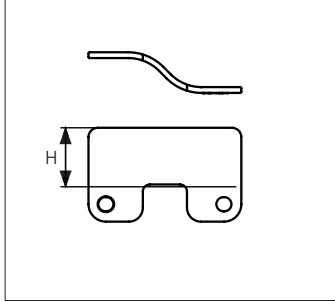
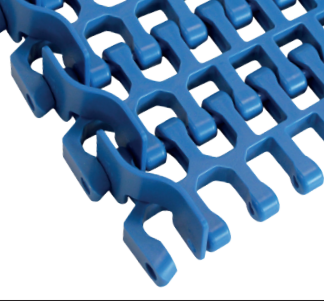
Side Guard Closed



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).

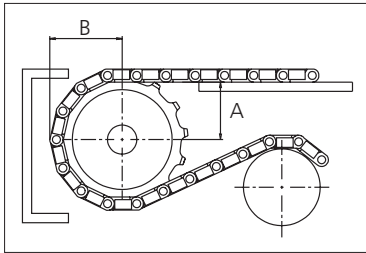
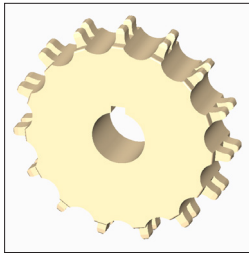
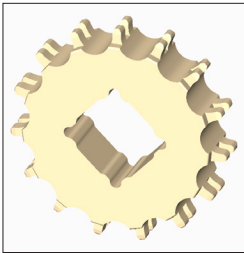
Non Standard material and color: See uni Material and Color Overview.

# Sprocket

| No. of teeth | Bore size  |    |        |      |      |        |        |      | Overall diameter |      | Pitch diameter |      | Hub diameter |      | Dimension A |      | Dimension B |      | Single row/Two way | <div><div></div>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 |        |      |      |        |        |      | mm               | in   | mm             | in   | mm           | in   | mm          | in   | mm          | in   |                    | Machined                  |
| Z08          | ✓          |    | ●<br>■ | ●    |      |        | ●<br>■ |      | 134.6            | 5.30 | 131.5          | 5.18 | 107.6        | 4.23 | 54.4        | 2.14 | 74.9        | 2.95 | ✓                  | ✓                         |
| Z10          | ✓          |    | ●<br>■ | ●    | ●    |        | ●<br>■ |      | 168.3            | 6.63 | 164.0          | 6.46 | 141.3        | 5.56 | 71.4        | 2.81 | 90.8        | 3.57 | ✓                  | ✓                         |
| Z12          | ✓          |    | ●      |      | ●    | ●<br>■ | ●<br>■ | ■    | 203.5            | 8.01 | 196.5          | 7.74 | 176.5        | 6.94 | 88.2        | 3.47 | 106.8       | 4.20 | ✓                  | ✓                         |
| Z15          | ✓          |    | ●      |      | ●    | ●<br>■ | ●<br>■ | ■    | 253.4            | 9.98 | 245.4          | 9.66 | 226.4        | 8.91 | 113.2       | 4.46 | 131.0       | 5.16 | ✓                  | ✓                         |

■ Machined sprocket

● Machined sprocket

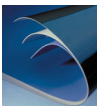


Other sprocket sizes are available upon request  
Two-part sprocket are available upon request  
Other bore sizes are available upon request  
uni Retainer Rings: See uni Retainer Ring data sheet  
Width of tooth = 7.0 mm (0.28 in)  
Width of sprocket = 30.0 mm (1.18 in)

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.

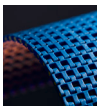
Non standard material and color: See uni Material and Color Overview.



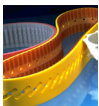
Synthetic Belts



Endless Woven Belts



Modular Belts



Engineered Belts



Homogeneous Belts



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**Ammeraal Beltech Modular A/S**

Hjulgagervej 21  
DK-7100 Vejle  
T +45 7572 3100

**[ammega.com](http://ammega.com)**

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