

Ammeraal Beltech Modular

Innovative belt and chain solutions
for every industry & application



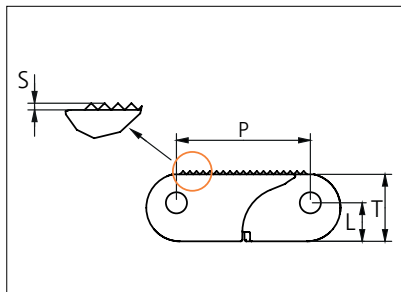
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Plastic Modular Belt

Series **uni ACB** Type **Rough**



Straight running belt
 Nominal pitch: 40.0 mm (1.57 in)
 Surface type: Rough
 Surface opening: Closed
 Backflex radius: 60 mm (2.36 in)
 Pin diameter: 6.0 mm (0.24 in)

| | | | | | | | |
|--|----------------------------|--------------------|-----------|-----------|----------|-----------|-----------|
| Belt material & color | POM NL K | | mm | in | | mm | in |
| Pin and lock material & color | PA6.6 N PP O | P (Nominal) | 40.0 | 1.57 | S | 0.8 | 0.03 |
| | | L | 12.0 | 0.47 | T | 20.0 | 0.79 |

Non standard material and color: See uni Material and Color Overview.
 Safety edges with orange or yellow edge links mounted on alternating pitches along both belt edges are optional.
 Alternative pin and lock systems and materials: Contact Customer Service.

| 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) | |
|------------|------|---|-------|-----------|-------|---------------------------------|-------|-----------|-------|----------------------------------|--------------------------------|--------------|
| | | POM-NL/PA6.6 | | POM-NL/SS | | POM-NL/PA6.6 | | POM-NL/SS | | | Carry (pcs) | Return (pcs) |
| mm | in | N | lbf | N | lbf | Kg/m | lb/ft | Kg/m | lb/ft | | | |
| 203 | 8.0 | 14210 | 3194 | 16240 | 3651 | 3.1 | 2.07 | 4.0 | 2.71 | 2 | 2 | 2 |
| 305 | 12.0 | 21350 | 4799 | 24400 | 5485 | 4.6 | 3.12 | 6.1 | 4.08 | 3 | 3 | 2 |
| 406 | 16.0 | 28420 | 6389 | 32480 | 7302 | 6.2 | 4.15 | 8.1 | 5.43 | 3 | 3 | 2 |
| 507 | 20.0 | 35490 | 7978 | 40560 | 9118 | 7.7 | 5.18 | 10.1 | 6.78 | 4 | 4 | 2 |
| 609 | 24.0 | 42630 | 9583 | 48720 | 10952 | 9.3 | 6.22 | 12.1 | 8.14 | 5 | 5 | 3 |
| 710 | 28.0 | 49700 | 11173 | 56800 | 12769 | 10.8 | 7.25 | 14.1 | 9.50 | 5 | 5 | 3 |
| 811 | 31.9 | 56770 | 12762 | 64880 | 14585 | 12.3 | 8.28 | 16.1 | 10.85 | 6 | 6 | 3 |
| 913 | 35.9 | 63910 | 14367 | 73040 | 16419 | 13.9 | 9.33 | 18.2 | 12.21 | 7 | 7 | 4 |
| 1014 | 39.9 | 70980 | 15956 | 81120 | 18236 | 15.4 | 10.36 | 20.2 | 13.56 | 7 | 7 | 4 |
| 1115 | 43.9 | 78050 | 17546 | 89200 | 20052 | 16.9 | 11.39 | 22.2 | 14.91 | 8 | 8 | 4 |

Additional standard belt widths are available in steps of 50.7 mm (2.00 in.) Additional non-standard belt widths are available in steps of 16.9 mm (0.67 in.)

| | | | | | | | | | | | | |
|------|------|--------|-------|--------|-------|------|-------|------|-------|----|----|---|
| 1977 | 77.8 | 138390 | 31110 | 158160 | 35554 | 30.1 | 20.20 | 39.3 | 26.44 | 14 | 14 | 7 |
|------|------|--------|-------|--------|-------|------|-------|------|-------|----|----|---|

Additional standard belt widths are available in steps of 50.7 mm (2.00 in.) Additional non-standard belt widths are available in steps of 16.9 mm (0.67 in.)

| | | | | | | | | | | | | |
|------|-------|--------|-------|--------|-------|------|-------|------|-------|----|----|----|
| 2990 | 117.7 | 209300 | 47051 | 239200 | 53772 | 45.4 | 30.54 | 59.5 | 39.99 | 20 | 20 | 10 |
|------|-------|--------|-------|--------|-------|------|-------|------|-------|----|----|----|

Additional standard belt widths are available in steps of 50.7 mm (2.00 in.) Additional non-standard belt widths are available in steps of 16.9 mm (0.67 in.)

| | | | | | | | | | | | | |
|------|-------|--------|-------|--------|-------|------|-------|------|-------|----|----|----|
| 4004 | 157.6 | 280280 | 63007 | 320320 | 72008 | 60.9 | 40.90 | 79.7 | 53.55 | 27 | 27 | 14 |
|------|-------|--------|-------|--------|-------|------|-------|------|-------|----|----|----|

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-NL 8000 N (1799 lbf).

= Single Link



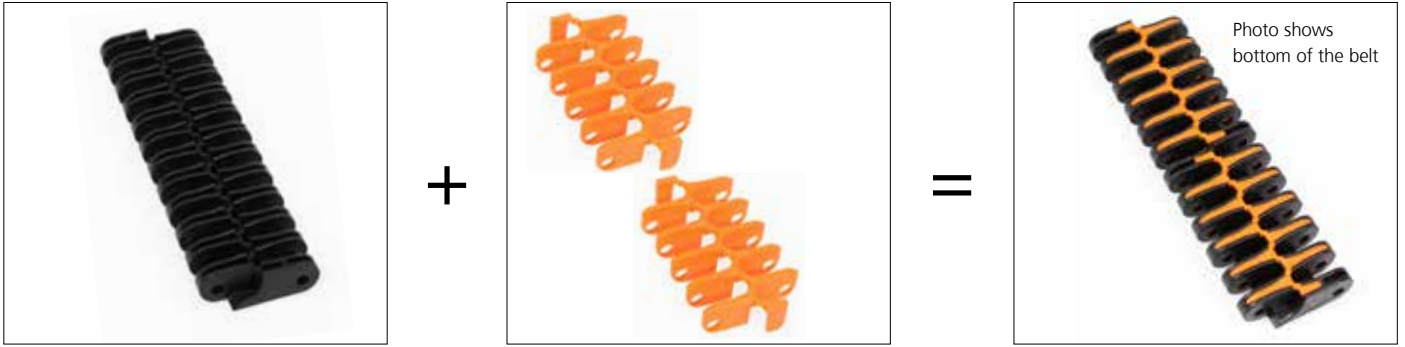
STANDARD

STRAIGHT RUNNING

PITCH 40.0 MM/1.57 IN

Accessories

Top/Bottom Insert



| Type | Insert material & color | Weight | |
|-------------|--|-------------------|--------------------|
| | | kg/m ² | lb/ft ² |
| Wheel Plate | POM DK ○ | 3.81 | 0.79 |

Contact area/wear surface of belt will increase from 25% to 49% by the use of inserts.

Accessories

Top/Bottom Insert

EC insert in uni ACB 2% Rough type can be build in to uni ACB Closed to create an electrical conductive belt.



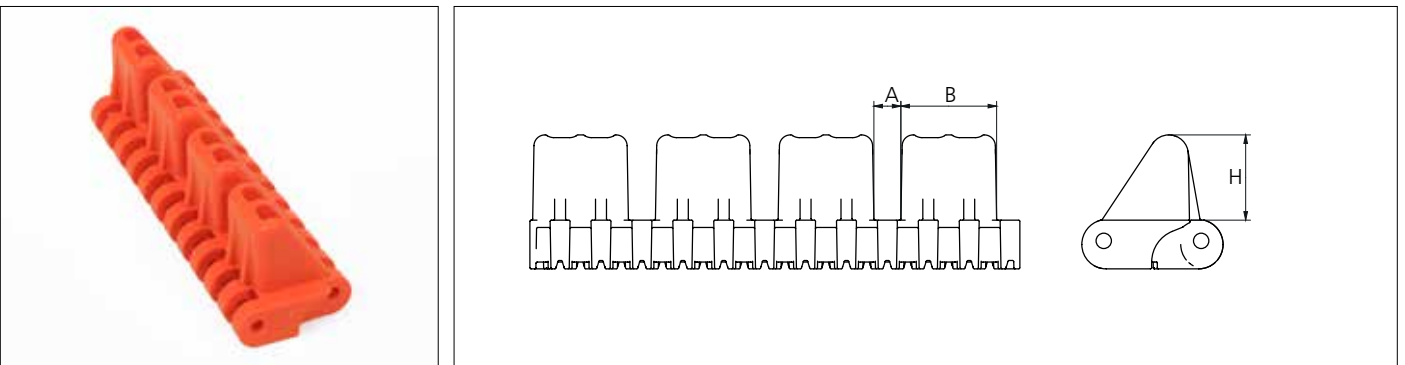
| Type | Insert material & color | Weight | |
|-----------------------|--|-------------------|--------------------|
| | | kg/m ² | lb/ft ² |
| Electrical Conductive | POM-EC K | 2.29 | 0.47 |
| | POX-FREC K | 2.23 | 0.46 |

Contact area/wear surface of belt will increase from 25% to 38% by the use of inserts.

POM-EC and POX-FREC holds a surface resistivity of 1×10^6 Ohm according to IEC 60093/ASTM D257.

Accessories


Flight



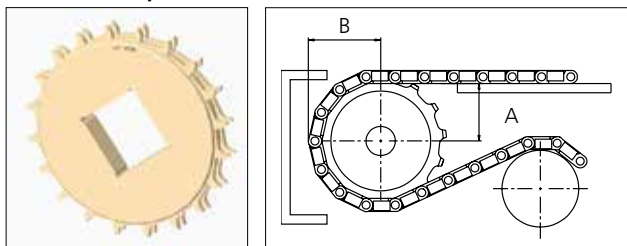
| Type | Flight material & color | A | | B | | H | | Link size | Width | |
|------------|--|------|------|------|------|------|------|-----------|-------|------|
| | | mm | in | mm | in | mm | in | | mm | in |
| Car pusher | POM-NL ○ POX FR ○ | 11.0 | 0.43 | 39.0 | 1.54 | 35.0 | 1.38 | K800 | 203.0 | 8.00 |

Backflex radius when flights are used: 120 mm (4.72 in).

Sprocket

| No of teeth | Bore size | | | | | Overall diameter | | Pitch-diameter | | Hub-diameter | | A-dimension | | B-dimension | | Double row/One way |  PA6 Machined |
|-------------|------------|----|------|------|-------|------------------|------|----------------|------|--------------|-----|-------------|-----|-------------|-----|--------------------|--|
| | Pilot bore | in | 2.36 | 3.54 | 3.54 | | | | | | | | | | | | |
| | | mm | 60.0 | 90.0 | 120.0 | mm | in | mm | in | mm | in | mm | in | | | | |
| Z16 | ✓ | | ■ | ■ | | 212.0 | 8.3 | 205.1 | 8.1 | 173.8 | 6.8 | 89.4 | 3.5 | 111.2 | 4.4 | ✓ | ✓ |
| Z20 | ✓ | | | ■ | ■ | 261.6 | 10.3 | 256.9 | 10.1 | 225.4 | 8.9 | 115.1 | 4.5 | 136.7 | 5.4 | ✓ | ✓ |

Machined sprocket



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

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 single tooth = 6.5 mm (0.25 in)

Width of sprocket = 33.2 mm (1.31 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 ACB.

For more detailed sprocket information, contact Customer Service.



Conveyor Belts



Seamless Belts



Modular Belts



Timing Belts



Transmission Belts



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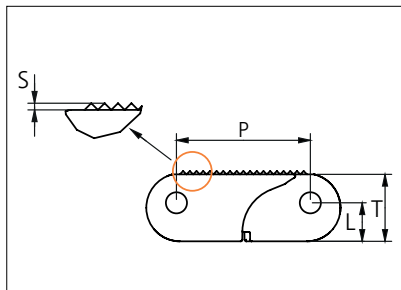
T +45 7572 3100
F +45 7572 3348
admin@unichains.com
www.unichains.com

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Plastic Modular Belt

Series **uni ACB** Type **2% Rough**



Straight running belt
 Nominal pitch: 40.0 mm (1.57 in)
 Surface type: Rough
 Surface opening: 2% Open
 Backflex radius: 60 mm (2.36 in)
 Pin diameter: 6.0 mm (0.24 in)

| | | | | | | | |
|--|----------------------------|--------------------|-----------|-----------|----------|-----------|-----------|
| Belt material & color | POM NL K | | mm | in | | mm | in |
| Pin and lock material & color | PA6.6 N PP O | P (Nominal) | 40.0 | 1.57 | S | 0.8 | 0.03 |
| | | L | 12.0 | 0.47 | T | 20.0 | 0.79 |

Non standard material and color: See uni Material and Color Overview.
 Safety edges with orange or yellow edge links mounted on alternating pitches along both belt edges are optional.
 Alternative pin and lock systems and materials: Contact Customer Service.

| 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) | |
|------------|------|---|-------|-----------|-------|---------------------------------|-------|-----------|-------|----------------------------------|--------------------------------|--------------|
| | | POM-NL/PA6.6 | | POM-NL/SS | | POM-NL/PA6.6 | | POM-NL/SS | | | Carry (pcs) | Return (pcs) |
| mm | in | N | lbf | N | lbf | Kg/m | lb/ft | Kg/m | lb/ft | | | |
| 203 | 8.0 | 14210 | 3194 | 16240 | 3651 | 3.0 | 2.03 | 4.0 | 2.67 | 2 | 2 | 2 |
| 304 | 12.0 | 21280 | 4784 | 24320 | 5467 | 4.5 | 3.04 | 6.0 | 4.00 | 3 | 3 | 2 |
| 406 | 16.0 | 28420 | 6389 | 32480 | 7302 | 6.0 | 4.07 | 8.0 | 5.35 | 3 | 3 | 2 |
| 507 | 20.0 | 35490 | 7978 | 40560 | 9118 | 7.6 | 5.08 | 9.9 | 6.68 | 4 | 4 | 2 |
| 608 | 23.9 | 42560 | 9567 | 48640 | 10934 | 9.1 | 6.09 | 11.9 | 8.01 | 5 | 5 | 3 |
| 710 | 28.0 | 49700 | 11173 | 56800 | 12769 | 10.6 | 7.11 | 13.9 | 9.35 | 5 | 5 | 3 |
| 811 | 31.9 | 56770 | 12762 | 64880 | 14585 | 12.1 | 8.12 | 15.9 | 10.68 | 6 | 6 | 3 |
| 912 | 35.9 | 63840 | 14351 | 72960 | 16401 | 13.6 | 9.13 | 17.9 | 12.01 | 7 | 7 | 4 |
| 1014 | 39.9 | 70980 | 15956 | 81120 | 18236 | 15.1 | 10.15 | 19.9 | 13.36 | 7 | 7 | 4 |
| 1115 | 43.9 | 78050 | 17546 | 89200 | 20052 | 16.6 | 11.17 | 21.9 | 14.69 | 8 | 8 | 4 |

Additional standard belt widths are available in steps of 50.7 mm (2.00 in.) Additional non-standard belt widths are available in steps of 16.9 mm (0.67 in.)

| | | | | | | | | | | | | |
|------|------|--------|-------|--------|-------|------|-------|------|-------|----|----|---|
| 1976 | 77.8 | 138320 | 31094 | 158080 | 35536 | 29.4 | 19.79 | 38.7 | 26.03 | 14 | 14 | 7 |
|------|------|--------|-------|--------|-------|------|-------|------|-------|----|----|---|

Additional standard belt widths are available in steps of 50.7 mm (2.00 in.) Additional non-standard belt widths are available in steps of 16.9 mm (0.67 in.)

| | | | | | | | | | | | | |
|------|-------|--------|-------|--------|-------|------|-------|------|-------|----|----|----|
| 2989 | 117.7 | 209230 | 47035 | 239120 | 53754 | 44.5 | 29.93 | 58.6 | 39.37 | 20 | 20 | 10 |
|------|-------|--------|-------|--------|-------|------|-------|------|-------|----|----|----|

Additional standard belt widths are available in steps of 50.7 mm (2.00 in.) Additional non-standard belt widths are available in steps of 16.9 mm (0.67 in.)

| | | | | | | | | | | | | |
|------|-------|--------|-------|--------|-------|------|-------|------|-------|----|----|----|
| 4002 | 157.6 | 280140 | 62975 | 320160 | 71972 | 59.6 | 40.07 | 78.4 | 52.72 | 27 | 27 | 14 |
|------|-------|--------|-------|--------|-------|------|-------|------|-------|----|----|----|

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-NL 8000 N (1799 lbf).

= Single Link



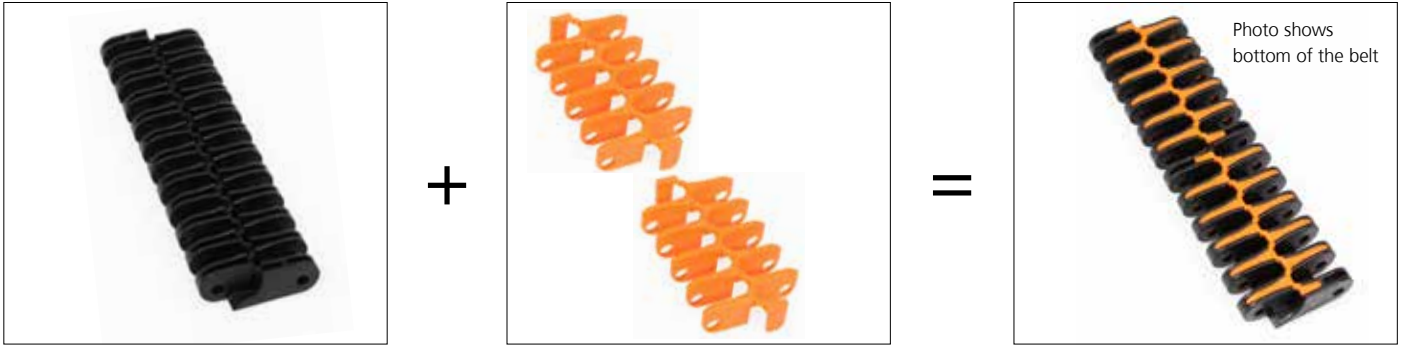
STANDARD

STRAIGHT RUNNING

PITCH 40.0 MM/1.57 IN

Accessories

Top/Bottom Insert



| Type | Insert material & color | Weight | |
|-------------|--|-------------------|--------------------|
| | | kg/m ² | lb/ft ² |
| Wheel Plate | POM DK ○ | 3.81 | 0.79 |

Contact area/wear surface of belt will increase from 25% to 49% by the use of inserts.

Accessories

Top/Bottom Insert

EC insert in uni ACB 2% Rough type can be build in to uni ACB Closed to create an electrical conductive belt.



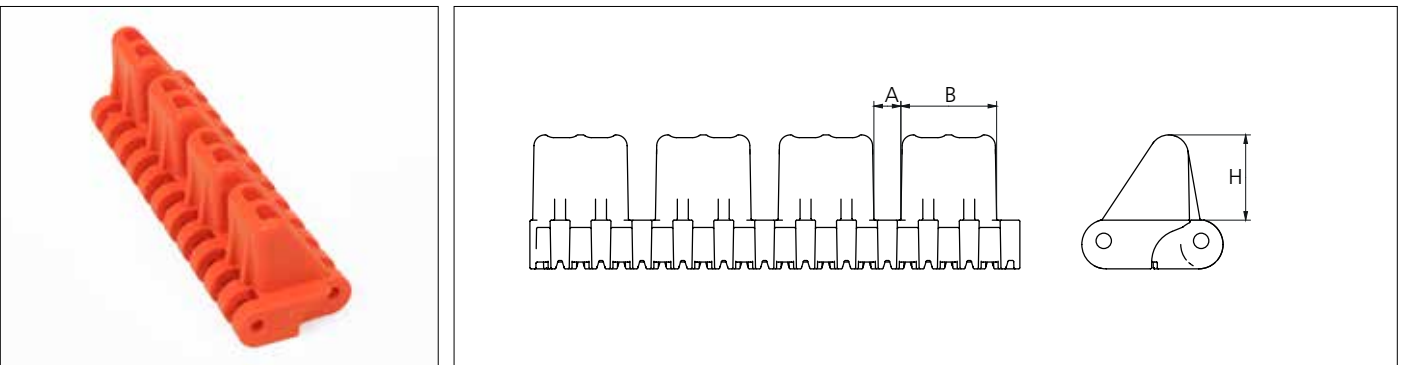
| Type | Insert material & color | Weight | |
|-----------------------|--|-------------------|--------------------|
| | | kg/m ² | lb/ft ² |
| Electrical Conductive | POM-EC K | 2.29 | 0.47 |
| | POX-FREC K | 2.23 | 0.46 |

Contact area/wear surface of belt will increase from 25% to 38% by the use of inserts.

POM-EC and POX-FREC holds a surface resistivity of 1x10⁶ Ohm according to IEC 60093/ASTM D257.

Accessories


Flight



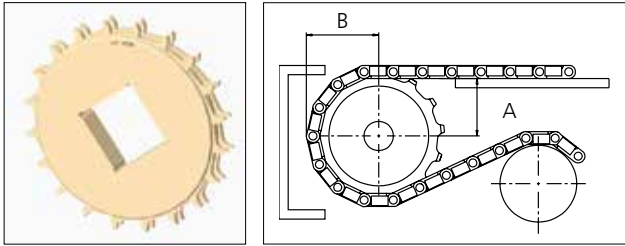
| Type | Flight material & color | A | | B | | H | | Link size | Width | |
|------------|--|------|------|------|------|------|------|-----------|-------|------|
| | | mm | in | mm | in | mm | in | | mm | in |
| Car pusher | POM-NL ○ POX FR ○ | 11.0 | 0.43 | 39.0 | 1.54 | 35.0 | 1.38 | K800 | 203.0 | 8.00 |

Backflex radius when flights are used: 120 mm (4.72 in).

Sprocket

| No of teeth | Bore size | | | | | Overall diameter | | Pitch-diameter | | Hub-diameter | | A-dimension | | B-dimension | | Double row/One way |  PA6 Machined |
|-------------|------------|----|------|------|-------|------------------|------|----------------|------|--------------|-----|-------------|-----|-------------|-----|--------------------|--|
| | Pilot bore | in | 2.36 | 3.54 | 3.54 | | | | | | | | | | | | |
| | | mm | 60.0 | 90.0 | 120.0 | mm | in | mm | in | mm | in | mm | in | | | | |
| Z16 | ✓ | | ■ | ■ | | 212.0 | 8.3 | 205.1 | 8.1 | 173.8 | 6.8 | 89.4 | 3.5 | 111.2 | 4.4 | ✓ | ✓ |
| Z20 | ✓ | | | ■ | ■ | 261.6 | 10.3 | 256.9 | 10.1 | 225.4 | 8.9 | 115.1 | 4.5 | 136.7 | 5.4 | ✓ | ✓ |

Machined sprocket



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

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 single tooth = 6.5 mm (0.25 in)

Width of sprocket = 33.2 mm (1.31 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 ACB.

For more detailed sprocket information. contact Customer Service.



Conveyor Belts



Seamless Belts



Modular Belts



Timing Belts



Transmission Belts



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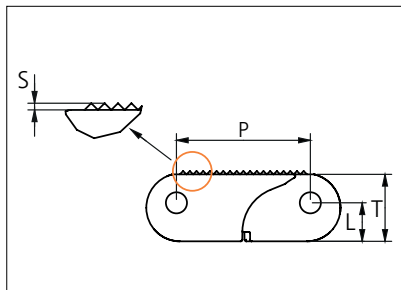
T +45 7572 3100
F +45 7572 3348
admin@unichains.com
www.unichains.com

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Plastic Modular Belt

Series **uni ACB** Type **2% Rough**



Straight running belt
 Nominal pitch: 40.0 mm (1.57 in)
 Surface type: Rough
 Surface opening: 2% Open
 Backflex radius: 60 mm (2.36 in)
 Pin diameter: 6.0 mm (0.24 in)

| | | | | | | | |
|--|----------------------------|--------------------|-----------|-----------|----------|-----------|-----------|
| Belt material & color | POX FR EG | | mm | in | | mm | in |
| Pin and lock material & color | PA6.6 N PP O | P (Nominal) | 40.0 | 1.57 | S | 0.8 | 0.03 |
| | | L | 12.0 | 0.47 | T | 20.0 | 0.79 |

Non standard material and color: See uni Material and Color Overview.
 Safety edges with orange or yellow edge links mounted on alternating pitches along both belt edges are optional.
 Alternative pin and lock systems and materials: Contact Customer Service.

| 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) | |
|------------|------|---|-------|-----------|-------|---------------------------------|-------|-----------|-------|----------------------------------|--------------------------------|--------------|
| | | POX-FR/PA66 | | POX-FR/SS | | POX-FR/PA66 | | POX-FR/SS | | | Carry (pcs) | Return (pcs) |
| mm | in | N | lbf | N | lbf | Kg/m | lb/ft | Kg/m | lb/ft | | | |
| 204 | 8.0 | 14280 | 3210 | 16320 | 3669 | 2.5 | 1.69 | 3.5 | 2.33 | 2 | 2 | 2 |
| 306 | 12.0 | 21420 | 4815 | 24480 | 5503 | 3.8 | 2.53 | 5.2 | 3.50 | 3 | 3 | 2 |
| 408 | 16.1 | 28560 | 6420 | 32640 | 7337 | 5.0 | 3.37 | 6.9 | 4.66 | 3 | 3 | 2 |
| 509 | 20.0 | 35630 | 8010 | 40720 | 9154 | 6.3 | 4.21 | 8.7 | 5.82 | 4 | 4 | 2 |
| 611 | 24.1 | 42770 | 9615 | 48880 | 10988 | 7.5 | 5.05 | 10.4 | 6.98 | 5 | 5 | 3 |
| 713 | 28.1 | 49910 | 11220 | 57040 | 12823 | 8.8 | 5.89 | 12.1 | 8.15 | 5 | 5 | 3 |
| 815 | 32.1 | 57050 | 12825 | 65200 | 14657 | 10.0 | 6.74 | 13.9 | 9.31 | 6 | 6 | 3 |
| 916 | 36.1 | 64120 | 14414 | 73280 | 16473 | 11.3 | 7.57 | 15.6 | 10.47 | 7 | 7 | 4 |
| 1018 | 40.1 | 71260 | 16019 | 81440 | 18308 | 12.5 | 8.42 | 17.3 | 11.63 | 7 | 7 | 4 |
| 1120 | 44.1 | 78400 | 17624 | 89600 | 20142 | 13.8 | 9.26 | 19.0 | 12.80 | 8 | 8 | 4 |

Additional standard belt widths are available in steps of 50.7 mm (2.00 in). Additional non-standard belt widths are available in steps of 16.9 mm (0.67 in).

| | | | | | | | | | | | | |
|------|------|--------|-------|--------|-------|------|-------|------|-------|----|----|---|
| 1985 | 78.1 | 138950 | 31236 | 158800 | 35698 | 24.4 | 16.41 | 33.7 | 22.68 | 14 | 14 | 7 |
|------|------|--------|-------|--------|-------|------|-------|------|-------|----|----|---|

Additional standard belt widths are available in steps of 50.7 mm (2.00 in). Additional non-standard belt widths are available in steps of 16.9 mm (0.67 in).

| | | | | | | | | | | | | |
|------|-------|--------|-------|--------|-------|------|-------|------|-------|----|----|----|
| 3003 | 118.2 | 210210 | 47255 | 240240 | 54006 | 36.9 | 24.82 | 51.1 | 34.31 | 21 | 21 | 11 |
|------|-------|--------|-------|--------|-------|------|-------|------|-------|----|----|----|

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| | | | | | | | | | | | | |
|------|-------|--------|-------|--------|-------|------|-------|------|-------|----|----|----|
| 4021 | 158.3 | 281470 | 63274 | 321680 | 72314 | 49.5 | 33.24 | 68.4 | 45.94 | 27 | 27 | 14 |
|------|-------|--------|-------|--------|-------|------|-------|------|-------|----|----|----|

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: POX-FR 8000 N (1799 lbf).

= Single Link



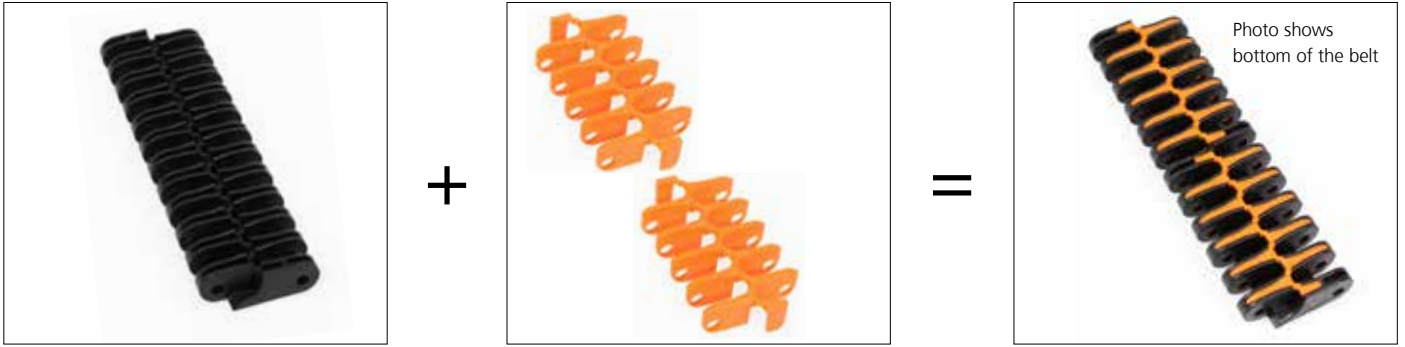
STANDARD

STRAIGHT RUNNING

PITCH 40.0 MM/1.57 IN

Accessories

Top/Bottom Insert



| Type | Insert material & color | Weight | |
|-------------|--|-------------------|--------------------|
| | | kg/m ² | lb/ft ² |
| Wheel Plate | POM DK ○ | 3.81 | 0.79 |

Contact area/wear surface of belt will increase from 25% to 49% by the use of inserts.

Accessories

Top/Bottom Insert

EC insert in uni ACB 2% Rough type can be build in to uni ACB Closed to create an electrical conductive belt.



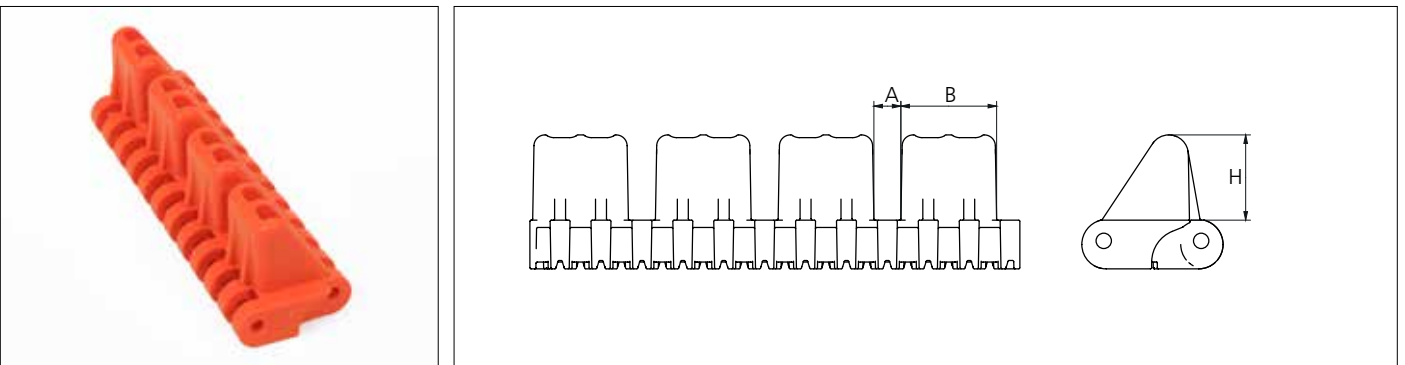
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|-----------------------|--|-------------------|--------------------|
| | | kg/m ² | lb/ft ² |
| Electrical Conductive | POM-EC K | 2.29 | 0.47 |
| | POX-FREC K | 2.23 | 0.46 |

Contact area/wear surface of belt will increase from 25% to 38% by the use of inserts.

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Accessories


Flight



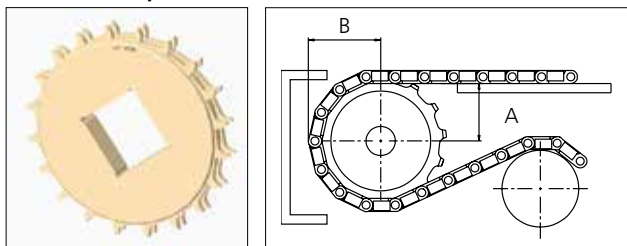
| Type | Flight material & color | A | | B | | H | | Link size | Width | |
|------------|--|------|------|------|------|------|------|-----------|-------|------|
| | | mm | in | mm | in | mm | in | | mm | in |
| Car pusher | POM-NL ○ POX FR ○ | 11.0 | 0.43 | 39.0 | 1.54 | 35.0 | 1.38 | K800 | 203.0 | 8.00 |

Backflex radius when flights are used: 120 mm (4.72 in).

Sprocket

| No of teeth | Bore size | | | | | Overall diameter | | Pitch-diameter | | Hub-diameter | | A-dimension | | B-dimension | | Double row/One way |  PA6 Machined |
|-------------|------------|----|------|------|-------|------------------|------|----------------|------|--------------|-----|-------------|-----|-------------|-----|--------------------|--|
| | Pilot bore | in | 2.36 | 3.54 | 3.54 | | | | | | | | | | | | |
| | | mm | 60.0 | 90.0 | 120.0 | mm | in | mm | in | mm | in | mm | in | | | | |
| Z16 | ✓ | | ■ | ■ | | 212.0 | 8.3 | 205.1 | 8.1 | 173.8 | 6.8 | 89.4 | 3.5 | 111.2 | 4.4 | ✓ | ✓ |
| Z20 | ✓ | | | ■ | ■ | 261.6 | 10.3 | 256.9 | 10.1 | 225.4 | 8.9 | 115.1 | 4.5 | 136.7 | 5.4 | ✓ | ✓ |

Machined sprocket



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

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 single tooth = 6.5 mm (0.25 in)

Width of sprocket = 33.2 mm (1.31 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 ACB.

For more detailed sprocket information. contact Customer Service.



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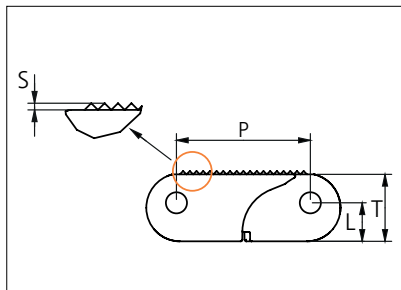
T +45 7572 3100
F +45 7572 3348
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www.unichains.com

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Plastic Modular Belt

Series **uni ACB** Type **Rough**



Straight running belt
 Nominal pitch: 40.0 mm (1.57 in)
 Surface type: Rough
 Surface opening: Closed
 Backflex radius: 60 mm (2.36 in)
 Pin diameter: 6.0 mm (0.24 in)

| | | | | | | | |
|--|----------------------------|--------------------|-----------|-----------|----------|-----------|-----------|
| Belt material & color | POX FR EG | | mm | in | | mm | in |
| Pin and lock material & color | PA6.6 N PP O | P (Nominal) | 40.0 | 1.57 | S | 0.8 | 0.03 |
| | | L | 12.0 | 0.47 | T | 20.0 | 0.79 |

Non standard material and color: See uni Material and Color Overview.
 Safety edges with orange or yellow edge links mounted on alternating pitches along both belt edges are optional.
 Alternative pin and lock systems and materials: Contact Customer Service.

| 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) | |
|------------|------|---|-------|-----------|-------|---------------------------------|-------|-----------|-------|----------------------------------|--------------------------------|--------------|
| | | POX-FR/PA66 | | POX-FR/SS | | POX-FR/PA66 | | POX-FR/SS | | | Carry (pcs) | Return (pcs) |
| mm | in | N | lbf | N | lbf | Kg/m | lb/ft | Kg/m | lb/ft | | | |
| 204 | 8.0 | 14280 | 3210 | 16320 | 3669 | 2.5 | 1.69 | 3.4 | 2.32 | 2 | 2 | 2 |
| 306 | 12.0 | 21420 | 4815 | 24480 | 5503 | 3.8 | 2.53 | 5.2 | 3.48 | 3 | 3 | 2 |
| 407 | 16.0 | 28490 | 6405 | 32560 | 7319 | 5.0 | 3.36 | 6.9 | 4.62 | 3 | 3 | 2 |
| 509 | 20.0 | 35630 | 8010 | 40720 | 9154 | 6.3 | 4.21 | 8.6 | 5.78 | 4 | 4 | 2 |
| 611 | 24.1 | 42770 | 9615 | 48880 | 10988 | 7.5 | 5.05 | 10.3 | 6.94 | 5 | 5 | 3 |
| 712 | 28.0 | 49840 | 11204 | 56960 | 12805 | 8.8 | 5.89 | 12.0 | 8.09 | 5 | 5 | 3 |
| 814 | 32.0 | 56980 | 12809 | 65120 | 14639 | 10.0 | 6.73 | 13.8 | 9.25 | 6 | 6 | 3 |
| 916 | 36.1 | 64120 | 14414 | 73280 | 16473 | 11.3 | 7.57 | 15.5 | 10.40 | 7 | 7 | 4 |
| 1017 | 40.0 | 71190 | 16004 | 81360 | 18290 | 12.5 | 8.41 | 17.2 | 11.55 | 7 | 7 | 4 |
| 1119 | 44.1 | 78330 | 17609 | 89520 | 20124 | 13.8 | 9.25 | 18.9 | 12.71 | 8 | 8 | 4 |

Additional standard belt widths are available in steps of 50.7 mm (2.00 in). Additional non-standard belt widths are available in steps of 16.9 mm (0.67 in).

| | | | | | | | | | | | | |
|------|------|--------|-------|--------|-------|------|-------|------|-------|----|----|---|
| 1984 | 78.1 | 138880 | 31220 | 158720 | 35680 | 24.4 | 16.40 | 33.5 | 22.53 | 14 | 14 | 7 |
|------|------|--------|-------|--------|-------|------|-------|------|-------|----|----|---|

Additional standard belt widths are available in steps of 50.7 mm (2.00 in). Additional non-standard belt widths are available in steps of 16.9 mm (0.67 in).

| | | | | | | | | | | | | |
|------|-------|--------|-------|--------|-------|------|-------|------|-------|----|----|----|
| 3001 | 118.1 | 210070 | 47224 | 240080 | 53970 | 36.9 | 24.81 | 50.7 | 34.08 | 21 | 21 | 11 |
|------|-------|--------|-------|--------|-------|------|-------|------|-------|----|----|----|

Additional standard belt widths are available in steps of 50.7 mm (2.00 in). Additional non-standard belt widths are available in steps of 16.9 mm (0.67 in).

| | | | | | | | | | | | | |
|------|-------|--------|-------|--------|-------|------|-------|------|-------|----|----|----|
| 4018 | 158.2 | 281260 | 63227 | 321440 | 72260 | 49.4 | 33.21 | 67.9 | 45.64 | 27 | 27 | 14 |
|------|-------|--------|-------|--------|-------|------|-------|------|-------|----|----|----|

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: POX-FR 8000 N (1799 lbf).

= Single Link



STANDARD


STRAIGHT RUNNING

PITCH 40.0 MM/1.57 IN

Accessories

Top/Bottom Insert



| Type | Insert material & color | Weight | |
|-------------|--|-------------------|--------------------|
| | | kg/m ² | lb/ft ² |
| Wheel Plate | POM DK  | 3.81 | 0.79 |



Contact area/wear surface of belt will increase from 25% to 49% by the use of inserts.

Accessories

Top/Bottom Insert

EC insert in uni ACB 2% Rough type can be build in to uni ACB Closed to create an electrical conductive belt.



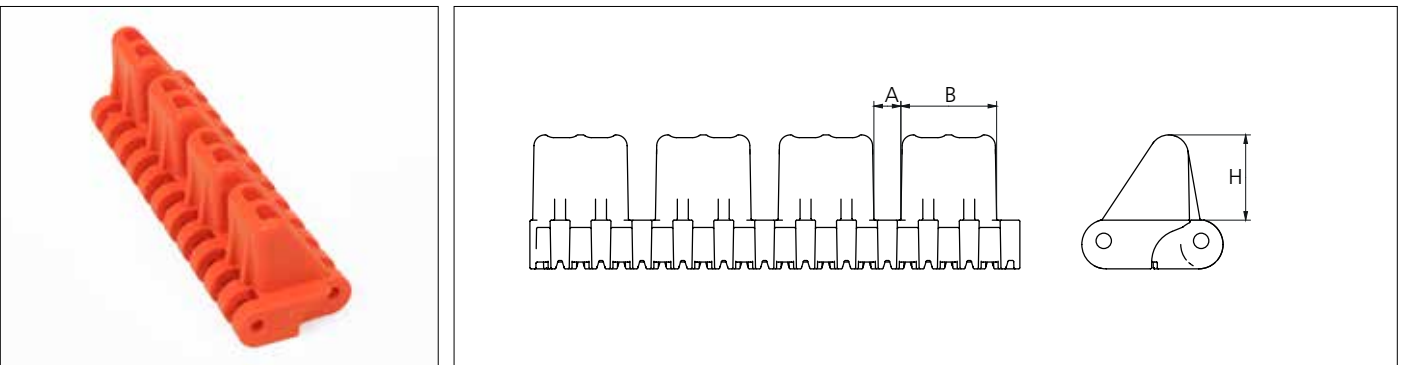
| Type | Insert material & color | Weight | |
|-----------------------|--|-------------------|--------------------|
| | | kg/m ² | lb/ft ² |
| Electrical Conductive | POM-EC  | 2.29 | 0.47 |
| | POX-FREC  | 2.23 | 0.46 |



Contact area/wear surface of belt will increase from 25% to 38% by the use of inserts.

POM-EC and POX-FREC holds a surface resistivity of 1×10^6 Ohm according to IEC 60093/ASTM D257.

Accessories


Flight



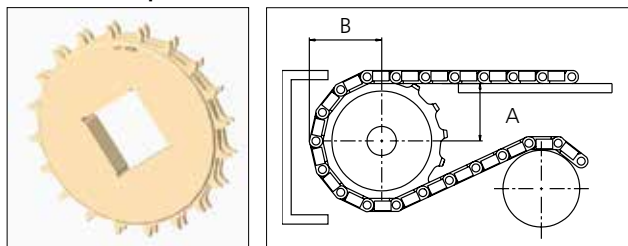
| Type | Flight material & color | A | | B | | H | | Link size | Width | |
|------------|--|------|------|------|------|------|------|-----------|-------|------|
| | | mm | in | mm | in | mm | in | | mm | in |
| Car pusher | POM-NL  POX FR  | 11.0 | 0.43 | 39.0 | 1.54 | 35.0 | 1.38 | K800 | 203.0 | 8.00 |

Backflex radius when flights are used: 120 mm (4.72 in).

Sprocket

| No of teeth | Bore size | | | | | Overall diameter | | Pitch-diameter | | Hub-diameter | | A-dimension | | B-dimension | | Double row/One way |  PA6 Machined |
|-------------|------------|----|------|------|-------|------------------|------|----------------|------|--------------|-----|-------------|-----|-------------|-----|--------------------|--|
| | Pilot bore | in | 2.36 | 3.54 | 3.54 | | | | | | | | | | | | |
| | | mm | 60.0 | 90.0 | 120.0 | mm | in | mm | in | mm | in | mm | in | | | | |
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| Z20 | ✓ | | | ■ | ■ | 261.6 | 10.3 | 256.9 | 10.1 | 225.4 | 8.9 | 115.1 | 4.5 | 136.7 | 5.4 | ✓ | ✓ |

Machined sprocket



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Local Contacts

Austria

T +43 171728 133
info-de@ammeraalbeltech.com
www.ammeraalbeltech.at

Belgium

T +32 2 466 03 00
info-be@ammeraalbeltech.com
www.ammeraalbeltech.be

Canada

T +1 905 890 1311
info-ca@ammeraalbeltech.com
www.ammeraalbeltech.com

Chile

T +56 2 233 12900
info-cl@ammeraalbeltech.com
www.ammeraalbeltech.cl

China

T +86 512 8287 2709
info-cn@ammeraalbeltech.com
www.ammeraalbeltech.com.cn

Czech Republic

T +420 567 117 211
info-cz@ammeraalbeltech.com
www.ammeraalbeltech.cz

Denmark

T + 45 7572 3100
info-dk@ammeraalbeltech.com
www.unichains.com

Finland

T +358 207 911 400
info-fi@ammeraalbeltech.com
www.ammeraalbeltech.fi

France

T +33 3 20 90 36 00
info-fr@ammeraalbeltech.com
www.ammeraalbeltech.fr

Germany

T +49 4152 937-0
info-de@ammeraalbeltech.com
www.ammeraalbeltech.de

Hungary

T +36 30 311 6099
info-hu@ammeraalbeltech.com
www.ammeraalbeltech.hu

India

T +91 44 265 34 244
info-in@ammeraalbeltech.com
www.ammeraalbeltech.com

Italy

T +39 051 660 60 06
info-it@ammeraalbeltech.com
www.ammeraalbeltech.it

Luxembourg

T +352 26 48 38 56
info-lu@ammeraalbeltech.com
www.ammeraal-beltech.lu

Malaysia

T +60 3 806 188 49
info-my@ammeraalbeltech.com
www.ammeraalbeltech.com

Netherlands

T +31 72 57 51212
info-nl@ammeraalbeltech.com
www.ammeraalbeltech.nl

Poland

T +48 32 44 77 179
info-pl@ammeraalbeltech.com
www.ammeraalbeltech.com

Portugal

T +351 22 947 94 40
info-pt@ammeraalbeltech.com
www.ammeraalbeltech.pt

Singapore

T +65 62739767
info-sg@ammeraalbeltech.com
www.ammeraalbeltech.com

Slovakia

T +421 2 55648541-2
info-sk@ammeraalbeltech.com
www.ammeraalbeltech.sk

South Korea

T +82 31 448 3613-7
info-kr@ammeraalbeltech.com
www.ammeraalbeltech.co.kr

Spain

T +34 93 718 3054
info-es@ammeraalbeltech.com
www.ammeraalbeltech.es

Sweden

T +46 44 780 3010
info-se@ammeraalbeltech.com
www.ammeraalbeltech.se

Switzerland

T +41 55 2253 535
info-ch@ammeraalbeltech.com
www.ammeraalbeltech.ch

Thailand

T +66 2 902 2604-13
info-th@ammeraalbeltech.com
www.ammeraalbeltech.com

United Kingdom

T +44 1992 500550
info-uk@ammeraalbeltech.com
www.ammeraalbeltech.co.uk

United States

T +1 847 673 6720
info-us@ammeraalbeltech.com
www.ammeraalbeltech.com

Vietnam

T +84 8 376 562 05
info-vn@ammeraalbeltech.com
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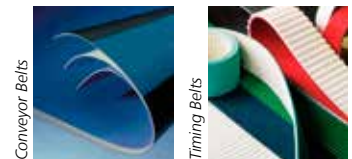
Ammeraal Beltech Holding B.V.

P.O. Box 38
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The Netherlands

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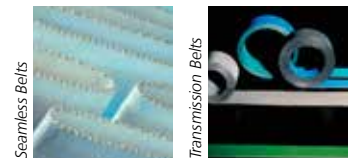
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