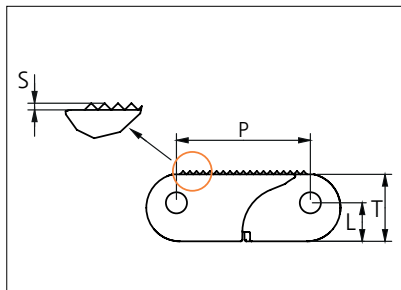




# Plastic Modular Belt

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



Straight running belt  
 Nominal pitch: 40.0 mm (1.57 in)  
 Surface type: Rough  
 Surface opening: Closed  
 Backflex radius: 60.0 mm (2.36 in)  
 Pin diameter: 6.0 mm (0.24 in)

<b>Belt material &amp; color</b>	POM NL <b>K</b>		<b>mm</b>	<b>in</b>		<b>mm</b>	<b>in</b>
<b>Pin and lock material &amp; color</b>	PA6.6 <b>B</b> PP <b>O</b>	<b>P (Nominal)</b>	40.0	1.57	<b>S</b>	0.8	0.03
		<b>L</b>	11.5	0.45	<b>T</b>	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
1116	43.9	78120	17561	89280	20070	17.0	11.40	22.2	14.93	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
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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).

2991	117.8	209370	47066	239280	53790	45.5	30.55	59.5	40.00	20	20	10
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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).

4005	157.7	280350	63023	320400	72026	60.9	40.91	79.7	53.56	27	27	14
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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

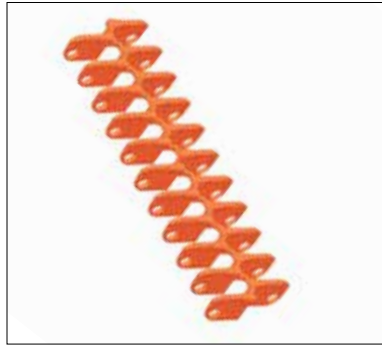


## Accessories

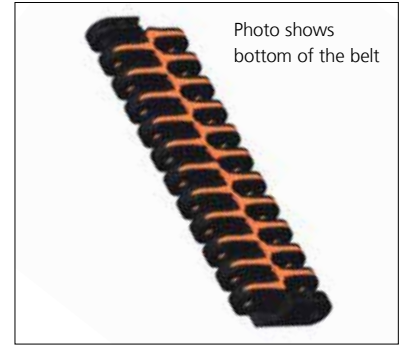
### Top/Bottom Insert



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Type	Insert material & color	Weight	
		kg/m <sup>2</sup>	lb/ft <sup>2</sup>
Wheel Plate	POM DK <span style="color: orange;">O</span>	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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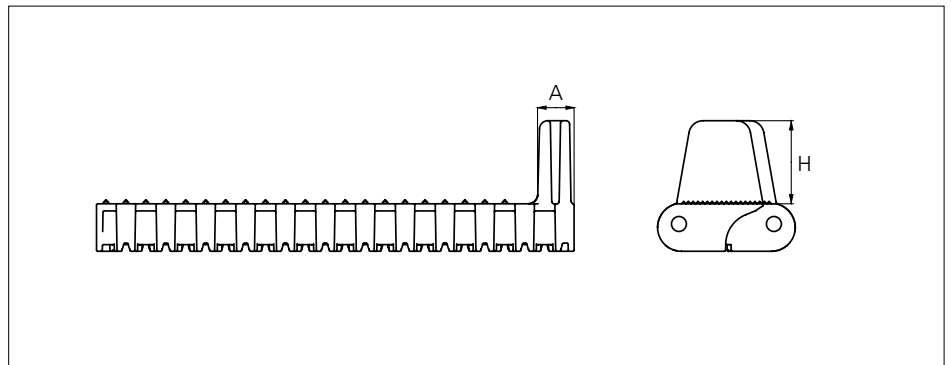
Type	Insert material & color	Weight	
		kg/m <sup>2</sup>	lb/ft <sup>2</sup>
Electrical Conductive	POM-EC <span style="background-color: black; color: white;">K</span>	2.29	0.47

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 1x10<sup>6</sup> Ohm according to IEC 60093/ASTM D257.

## Accessories

### Side Guard

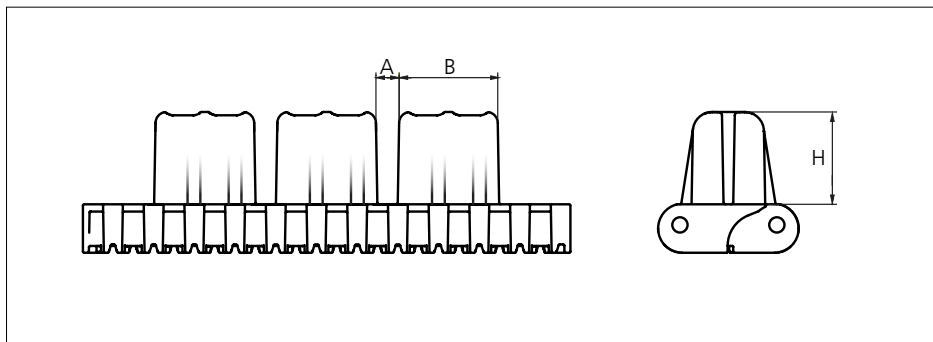
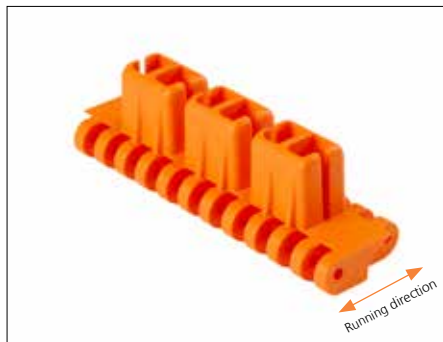



Type	Flight material & color	A		H		Link size	Width	
		mm	in	mm	in		mm	in
Side Guard	POM-NL <span style="background-color: black; color: white;">K</span>	15.4	0.43	35.0	1.38	K800	203.0	8.00

Backflex radius when flights are used: 120.0 mm (4.72 in).

## Accessories

### Flight

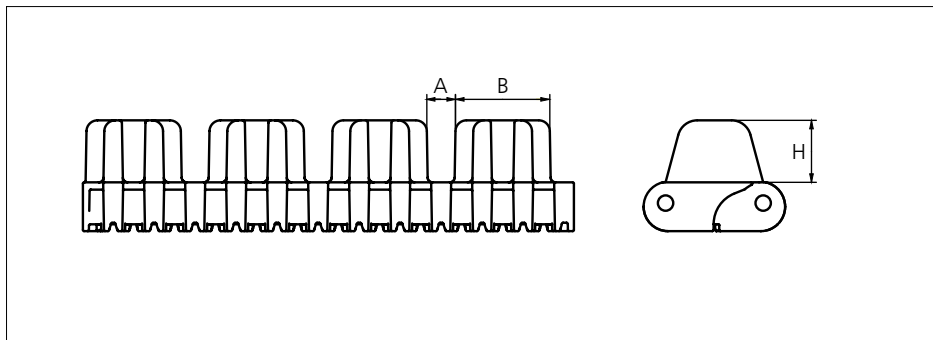



Type	Flight material & color	A		B		H		Link size	Width	
		mm	in	mm	in	mm	in		mm	in
Car Pusher	POM-NL 	9.6	0.38	40.7	1.60	38.1	1.50	K800	203.0	8.00

Backflex radius when flights are used: 120.0 mm (4.72 in).

## Accessories

### Flight

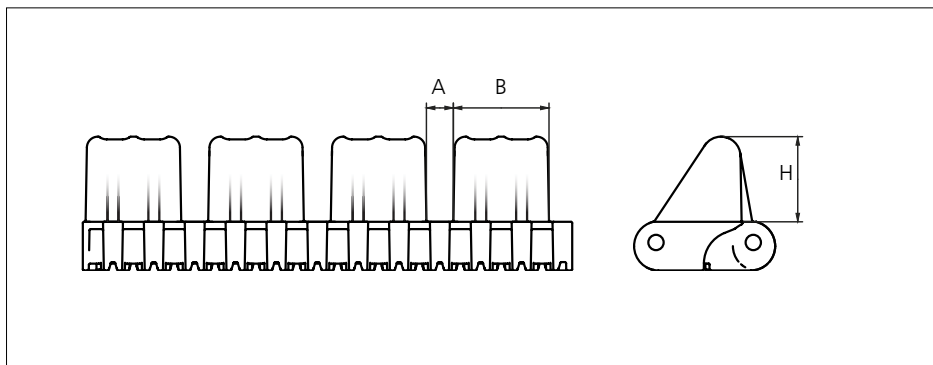



Type	Flight material & color	A		B		H		Link size	Width	
		mm	in	mm	in	mm	in		mm	in
Car Pusher	POM-NL 	11.7	0.46	38.7	1.53	25.4	1.00	K800	203.0	8.00

Backflex radius when flights are used: 120.0 mm (4.72 in).

## Accessories


### Flight



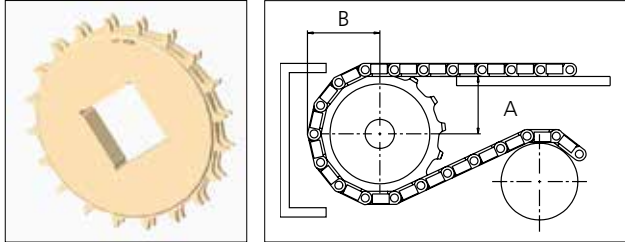
Type	Flight material & color	A		B		H		Link size	Width	
		mm	in	mm	in	mm	in		mm	in
Car Pusher	POM-NL 	11.0	0.43	39.0	1.54	35.0	1.38	K800	203.0	8.00

Backflex radius when flights are used: 120.0 mm (4.72 in).

## Sprocket

No of teeth	Bore size					Overall diameter		Pitch-diameter		Hub-diameter		Dimension A		Dimension B		Double row/One way	Machined	 PAG
	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	✓		■	■		213.0	8.4	205.4	8.1	175.8	6.9	89.1	3.5	110.9	4.4	✓	✓	
Z20	✓		■	■		264.2	10.4	256.0	10.1	227.9	9.0	114.8	4.5	136.3	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.  
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.

uni ACB Rough POM NIL/2022.03.03



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