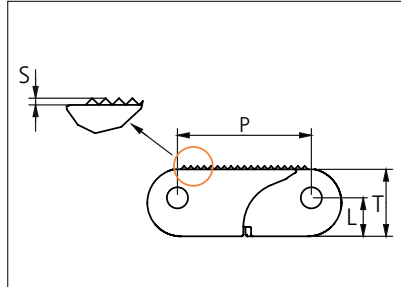


## Plastic Modular Belt

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)

<b>Belt material &amp; color</b>	POX FR <b>EG</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>	12.0	0.47	<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)	
		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
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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).


3001	118.1	210070	47224	240080	53970	36.9	24.81	50.7	34.08	21	21	11
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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).

4018	158.2	281260	63227	321440	72260	49.4	33.21	67.9	45.64	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: POX-FR 8000 N (1799 lbf).

 = Single Link

STANDARD

STRAIGHT RUNNING


PITCH 40.0 MM/1.57 IN

Any questions? Please contact us.

## Accessories

### Top/Bottom Insert



Type	Insert material & color	Weight	
		kg/m <sup>2</sup>	lb/ft <sup>2</sup>
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.



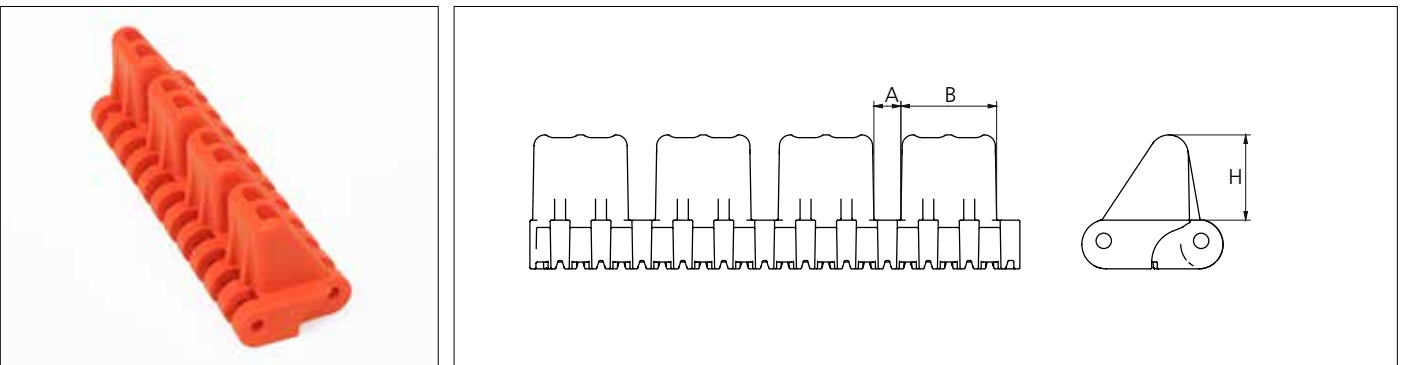
Type	Insert material & color	Weight	
		kg/m <sup>2</sup>	lb/ft <sup>2</sup>
Electrical Conductive	POM-EC 	2.29	0.47
	POX-FREC 	2.23	0.46



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  $1 \times 10^6$  Ohm according to IEC 60093/ASTM D257.

## Accessories


### Flight



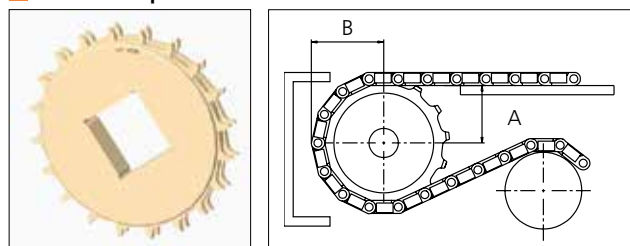
Type	Flight material & color	A		B		H		Link size	Width	
		mm	in	mm	in	mm	in		mm	in
Car pusher	POM-NL  POX FR 	11.0	0.43	39.0	1.54	35.0	1.38	K800	203.0	8.00

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

## Sprocket

No of teeth	Bore size					Overall diameter		Pitch-diameter		Hub-diameter		Dimension A		Dimension B		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	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.

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.

Any questions? Please contact us.

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