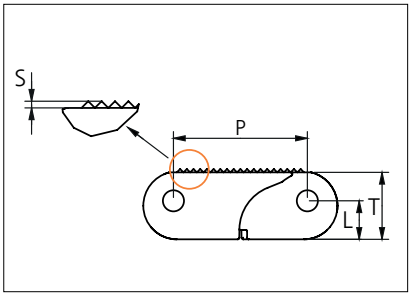
EN

Plastic Modular Belt

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



Straight running belt
Nominal pitch: 40.0 mm (1.57 in)
Surface type: Rough
Surface opening: 2% Open
Backflex radius: 60.0 mm (2.36 in)
Pin diameter: 6.0 mm (0.24 in)

STANDARD

STRAIGHT RUNNING

PITCH 40.0 MM/1.57 IN

Belt material & color	POM NL **K**	
Pin and lock material & color	PA6.6 **B** / PP **O**	SS **G** / PP **O**

	mm	in		mm	in
P (Nominal)	40.0	1.57	**S**	0.8	0.03
L	11.5	0.45	**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

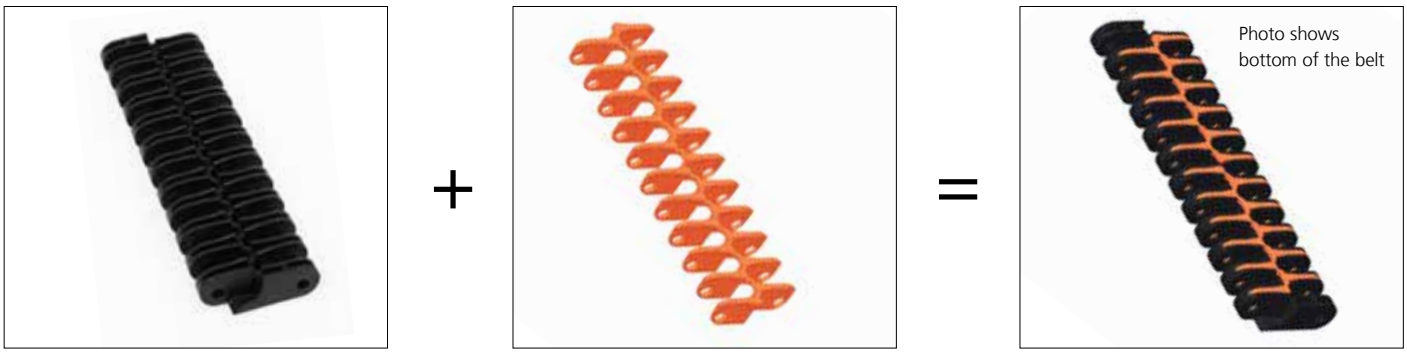
Additional standard belt widths are available in steps of 50.7 mm (2.00 in.) Additional non-standard belt widths are available in steps of 16.9 mm (0.67 in.)

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

Accessories

Top/Bottom Insert



Type	Insert material & color	Weight	
		kg/m²	lb/ft²
Wheel Plate	POM DK O	3.81	0.79

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

Accessories

Top/Bottom Insert

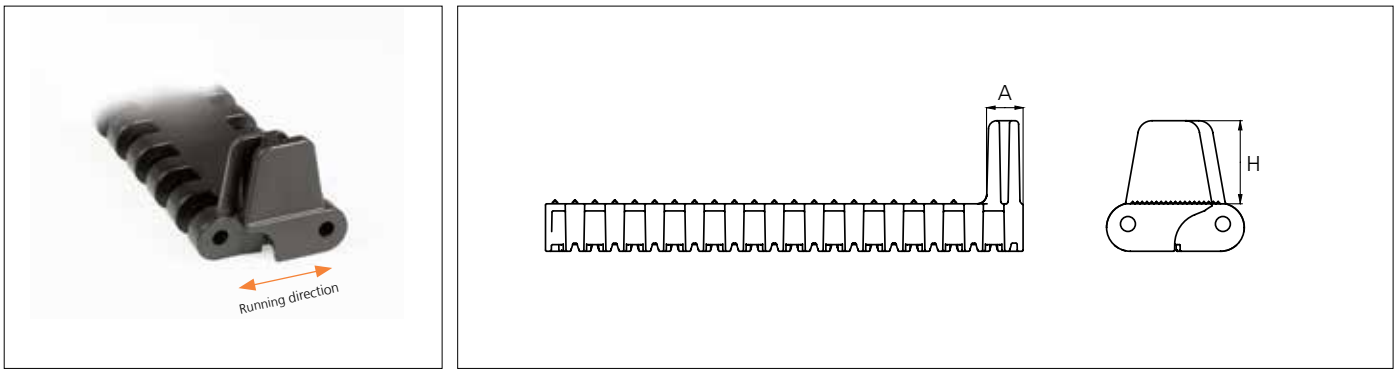
EC insert in uni ACB 2% Rough type can be build in to uni ACB Closed to create an electrical conductive belt.

Type	Insert material & color	Weight	
		kg/m²	lb/ft²
Electrical Conductive	POM-EC K	2.29	0.47

Contact area/wear surface of belt will incease 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

Side Guard

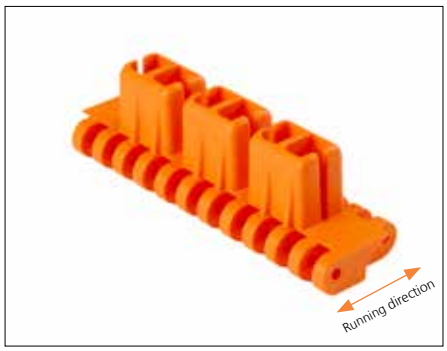


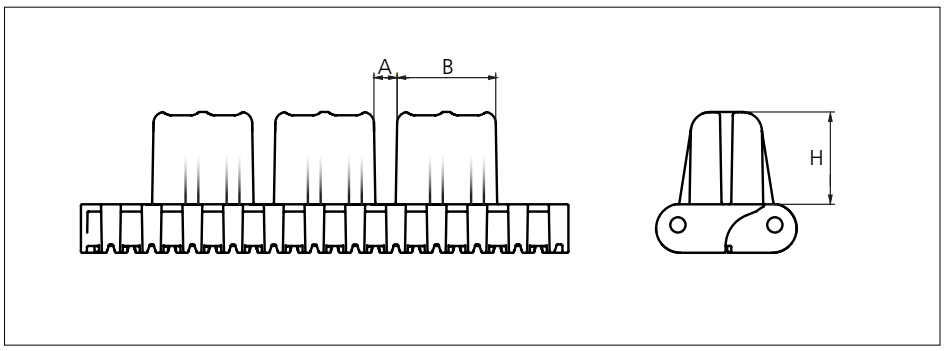
Type	Flight material & color	A		H		Link size	Width	
		mm	in	mm	in		mm	in
Side Guard	POM-NL K	15.4	0.43	35.0	1.38	K800	203.0	8.00

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

Accessories

Flight



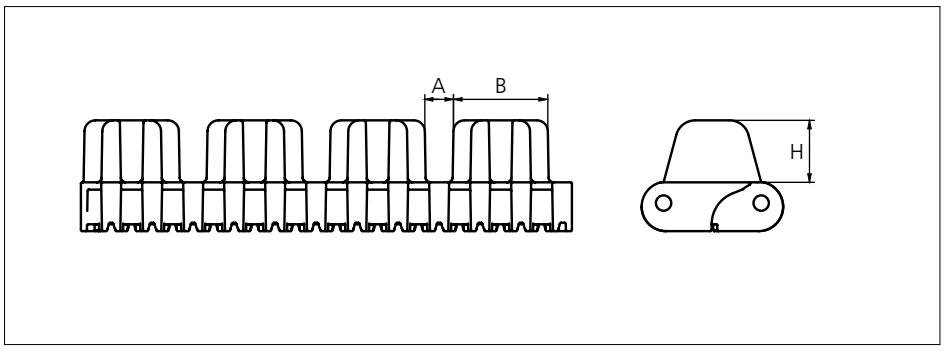


Type	Flight material & color	A		B		H		Link size	Width	
		mm	in	mm	in	mm	in		mm	in
Car Pusher	POM-NL O	9.6	0.38	40.7	1.60	38.1	1.50	K800	203.0	8.00

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

Accessories

Flight

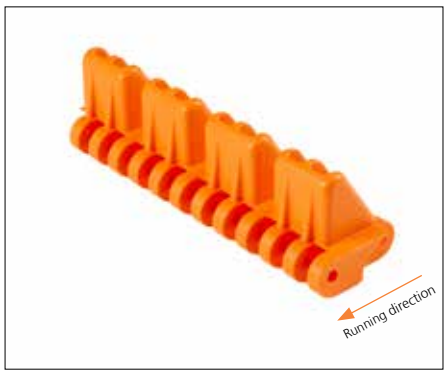


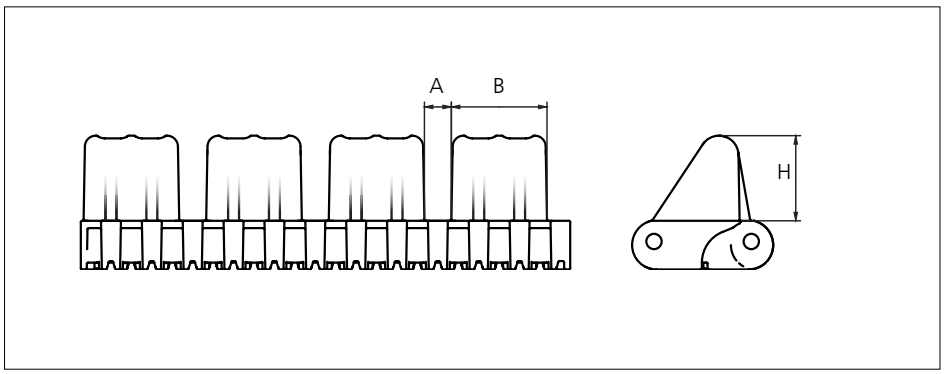
Type	Flight material & color	A		B		H		Link size	Width	
		mm	in	mm	in	mm	in		mm	in
Car Pusher	POM-NL O	11.7	0.46	38.7	1.53	25.4	1.00	K800	203.0	8.00

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

Accessories

Flight



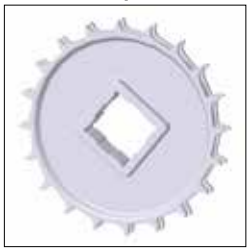


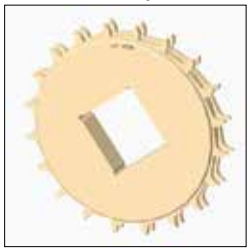
Type	Flight material & color	A		B		H		Link size	Width	
		mm	in	mm	in	mm	in		mm	in
Car Pusher	POM-NL O	11.0	0.43	39.0	1.54	35.0	1.38	K800	203.0	8.00

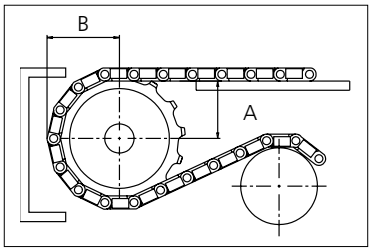
Backflex radius when flights are used: 120.0 mm (4.72 in).

No of teeth	Bore size								Overall diameter		Pitch-diameter		Hub-diameter		Dimension A		Dimension B		Double row/One way	PA6 LG Molded	PA6 Machined
	Pilot bore	in	2.36	2.23	3.03	3.54	4.08	4.72													
		mm	60.0	64.3	77.0	90.0	102.0	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	✓		✓
Z20				■	■		■		264,2	10,4	256,0	10,1	227,9	9,0	114,8	4,5	136,3	5,4	✓	✓	

■ **Molded sprocket** ■ **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.

Expert advice and quality solutions for all your belting needs.

ammeraalbeltech.com
eptool.online

Ammeraal Beltech Modular A/S
Hjulmagervej 21
DK-7100 Vejle
T +45 7572 3100

ammega.com