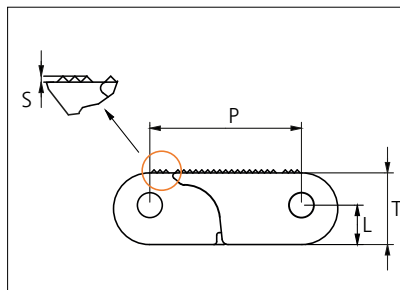




Plastic Modular Belt

Serie **uni AMB** Type **4% Open Rough (POM-NL)**



Straight running belt
Nominal pitch: 63.5 mm (2.50 in)
Surface type: Rough
Surface opening: 4%
Backflex radius: 100.0 mm (3.94 in)
Pin diameter: 9.0 mm (0.35 in)

Belt material & color	POM NL K		mm	in		mm	in
Pin and lock material & color	SS G PP O	P (Nominal)	63.5	2.50	T	33.0	1.30
		L	18.2	0.72	S	1.0	0.04

Belt width		Permissible tensile force (Belt/pin material)		Belt weight (Belt/pin material)		*Min No drive sprock- et per haft	Number of wear strips (min no)	
		POM-NL/SS		POM-NL/SS			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	Kg/m	lb/ft			
102	4.0	18360	4127	3.5	2.36	2	2	2
153	6.0	27540	6191	5.3	3.54	2	2	2
306	12.0	55080	12382	10.5	7.07	3	3	2
459	18.1	82620	18573	15.8	10.61	4	4	2
612	24.1	110160	24764	21.0	14.14	5	5	3
765	30.1	137700	30955	26.3	17.68	6	6	3
918	36.1	165240	37146	31.6	21.21	7	7	4
1071	42.2	192780	43337	36.8	24.75	8	8	4
1224	48.2	220320	49528	42.1	28.28	9	9	5
1377	54.2	247860	55719	47.3	31.82	10	10	5
1530	60.2	275400	61910	52.6	35.35	11	11	6
1683	66.3	302940	68101	57.9	38.89	12	12	6

Additional standard belt widths are available in steps of 152.5 mm (6.00 in). Additional non-standard belt widths are available in steps of 25.4 mm (1.00 in).

2906	114.4	523080	117588	99.9	67.14	20	20	10
------	-------	--------	--------	------	-------	----	----	----

Additional standard belt widths are available in steps of 152.5 mm (6.00 in). Additional non-standard belt widths are available in steps of 25.4 mm (1.00 in).

4894	192.7	880920	198031	168.3	113.08	33	33	17
------	-------	--------	--------	-------	--------	----	----	----

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 15000 N (3372 lbf)

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

= Single Link

STANDARD

STRAIGHT RUNNING

PITCH 63.5 MM/2.50 IN

Accessories

Top/Bottom Insert



Type	Insert material & color	Weight	
		kg/m ²	lb/ft ²
Wheel Plate	POM NL Y PEI G POM DK O	4.7	0.97

Contact area/wear surface of belt will increase from 24% to 47% by the use of inserts.

Top/Bottom Insert

EC insert in uni AMB 4% Rough type can be build in to uni AMB C Rough to create an electrical conductive belt.

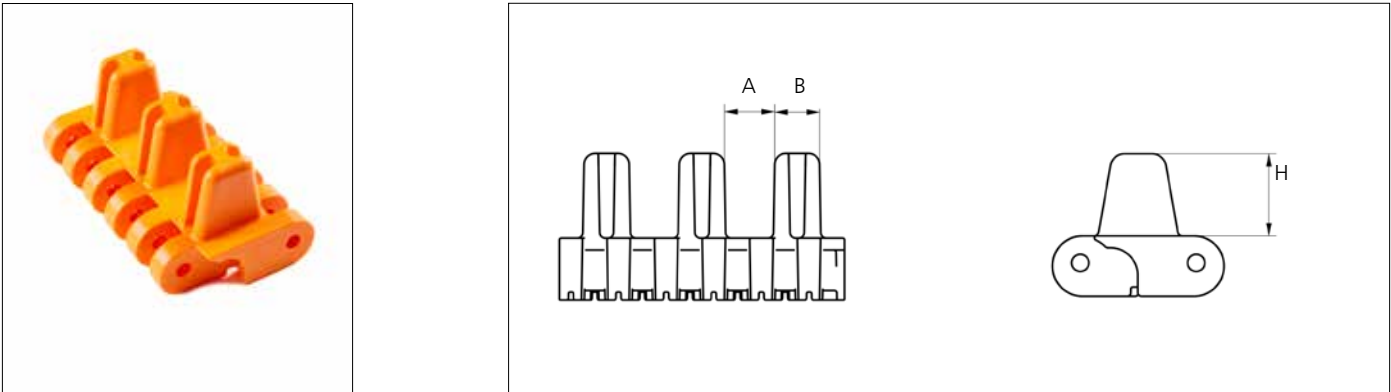


Type	Insert material & color	Weight	
		kg/m ²	lb/ft ²
Electrical Conductive	POM EC K	5.2	1.07

POM EC holds a surface resistivity of 1x10³ Ohm according to IEC 60093/ASTM D257.

Contact area/wear surface of belt will increase from 24% to 47% by the use of inserts.

Flight



Type	Flight material & color	A		B		H		Link size	Width	
		mm	in	mm	in	mm	in		mm	in
Car Pusher	POM NL O	25.5	1.00	25.3	0.99	30.0	1.18	K600	153.0	6.00
						45.0	1.77			
						58.0	2.32			

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

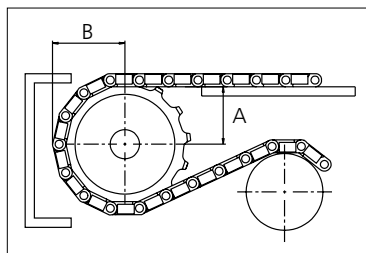
Sprocket

No. of teeth	Bore size						Overall diameter		Pitch diameter		Hub diameter		Dimension A*		Dimension B		Double row/One way	PA6 Machined
	Pilot Bore	in	2.36	2.5	3.54	4.72												
		mm	60.0	63.5	90.0	120.0	mm	in	mm	in	mm	in	mm	in				
Z10	✓		■	■	■		211.2	8.31	205.9	8.09	149.0	5.87	79.5	3.13	117.2	4.61	✓	✓
Z13	✓		■	■	■	■	273.4	10.76	265.3	10.45	211.0	8.31	110.6	4.35	147..2	5.80	✓	✓
Z15	✓		■	■	■	■	314.5	12.38	305.4	12.02	252.0	9.92	131.1	5.16	167.3	6.59	✓	✓
Z20	✓		■	■	■	■	416.7	16.41	405.9	15.98	355.0	13.97	182.2	7.17	217.6	8.57	✓	✓

*A-dimension for automotive applications use A = (B-29.8 mm/1.17 in).

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

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 single tooth = 9.0 mm (0.35 in)
Width of sprocket = 50.0 mm (1.97 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 AMB.
For more detailed sprocket information, contact Customer Service.

uni AMB 4% Open Rough POM NL/2023.05.02



Expert advice and quality solutions for all your belting needs.

ammeraalbeltech.com
eptool.online

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

ammega.com

This information is subject to alteration due to continuous development. Ammeraal Beltech will not be held liable for the incorrect use of the above stated information. This information replaces previous information. All activities performed and services rendered by Ammeraal Beltech are subject to general terms and conditions of sale and delivery, as applied by its operating companies.

Member of Ammega Group.