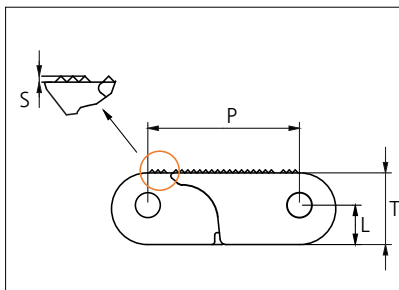




Plastic Modular Belt

Serie **uni AMB**

Type **4% Open Rough (POX FR)**



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	POX-FR EG		mm	in		mm	in
Pin and lock material & color	 SS G  PP E <th>P (Nominal)</th> <td>63.5</td> <td>2.50</td> <th>T</th> <td>33.0</td> <td>1.30</td>	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 sprocket per haft	Number of wear strips (min no)	
		POX-FR/SS		POX-FR/SS			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	Kg/m	lb/ft			
103	4.1	18540	4168	2.9	1.94	2	2	2
154	6.1	27720	6231	4.3	2.90	2	2	2
307	12.1	55260	12422	8.6	5.79	3	3	2
461	18.1	82980	18654	12.9	8.69	4	4	2
614	24.2	110520	24845	17.2	11.57	5	5	3
768	30.2	138240	31076	21.5	14.47	6	6	3
921	36.3	165780	37267	25.8	17.36	7	7	4
1074	42.3	193320	43458	30.1	20.24	8	8	4
1228	48.3	221040	49690	34.4	23.14	9	9	5
1381	54.4	248580	55881	38.7	26.02	10	10	5
1535	60.4	276300	62112	43.0	28.93	11	11	6
1688	66.5	303840	68303	47.3	31.81	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
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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
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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 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	PA6 	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.

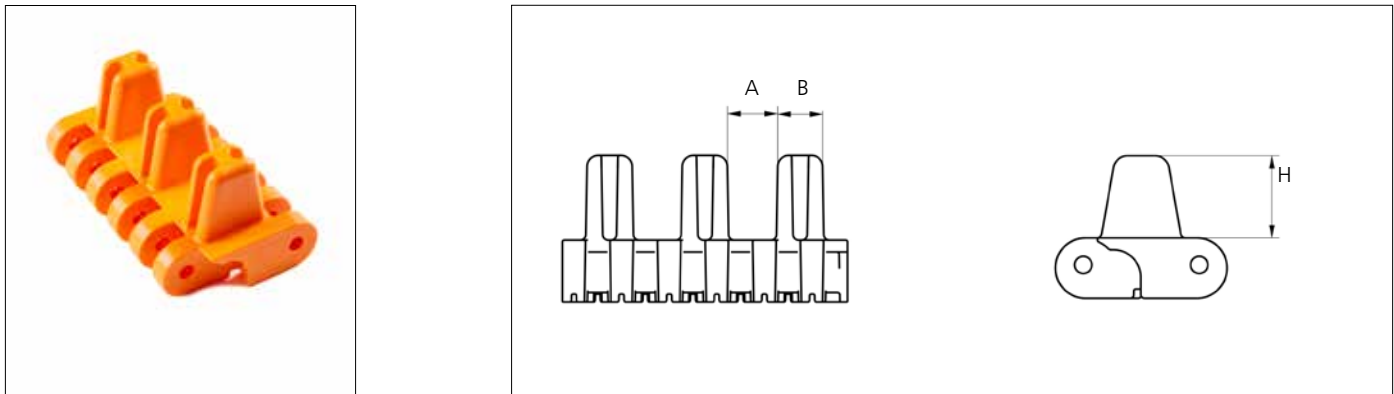


Type	Insert material & color	Weight	
		kg/m ²	lb/ft ²
Electrical Conductive	POX FREC 	5.2	1.07

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 	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			

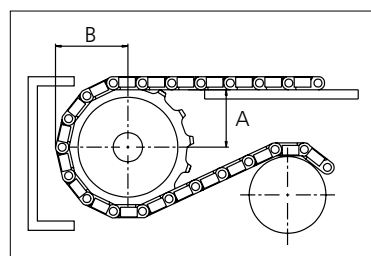
Backflex radius when flights are used:120.0 mm (4.72 in).

Sprocket

No. of teeth	Bore size						Overall diameter		Pitch diameter		Hub diameter		Dimension A*		Dimension B		Double row/One way	PAG 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	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).

■ 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.

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

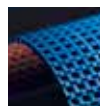
uni AMB 4% Open Rough POX FR/2023.05.02



Synthetic Belts



Endless Woven Belts



Modular Belts



Engineered Belts



Homogeneous Belts



Fabrication & Service

**Expert advice and quality solutions
for all your belting needs.**

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