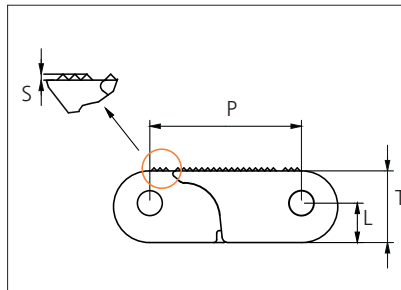




Plastic Modular Belt

Serie **uni AMB** Type **Closed Rough**



Straight running belt
 Nominal pitch: 63.5 mm (2.50 in)
 Surface type: Rough
 Surface opening: Closed
 Backflex radius: 100 mm (3.94 in)
 Pin diameter: 9.0 mm (0.35 in)

STANDARD

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

STRAIGHT RUNNING

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)	
		POM-NL/SS		POM-NL/SS			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	kg/m	lb/ft			
153	6.0	26540	6191	5.3	3.54	2	2	2
305	12.0	54900	12342	10.5	7.05	3	3	2
458	18.0	82440	18533	15.7	10.58	4	4	2
610	24.0	109800	24683	21.0	14.09	5	5	3
763	30.0	137340	30874	26.2	17.63	6	6	3
915	36.0	164700	37025	31.5	21.14	7	7	4
1068	42.0	192240	43216	36.7	24.68	8	8	4
1220	48.0	219600	49366	41.9	28.19	9	9	5
1373	54.1	247140	55557	47.2	31.72	10	10	5
1525	60.0	274500	61708	52.4	35.24	11	11	6
1678	66.1	302040	67899	57.7	38.77	12	12	6

PITCH 63.5 MM/2.50 IN

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).

2898	114.1	521640	117265	99.6	66.96	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).

4880	192.1	878400	197464	167.8	112.75	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 mm (6 in); Return: 304 mm (12 in).

= Single Link



Accessories

Top/Bottom Insert



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Photo shows bottom of the belt

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

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.



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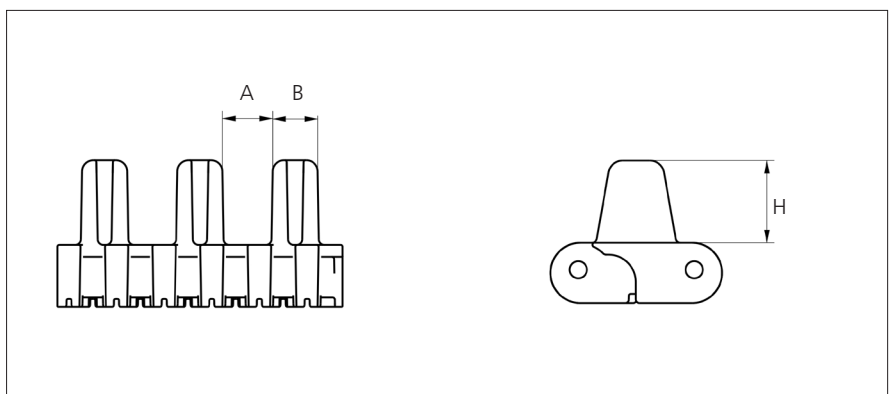


EC Grip surface located above the belt surface to ensure 'electro static discharge'

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 1×10^3 Ohm according to IEC 60093/ASTM D257.


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	45.0	1.77	K600	152.4	6.00

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

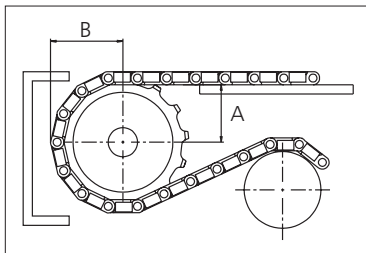
Sprocket

No. of teeth	Bore size						Overall diameter		Pitch diameter		Hub diameter		Dimension A*		Dimension B		Double row/One way	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 mm (1.97 in)

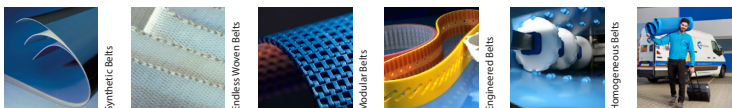
Max load per sprocket shown does not take bore size into account.

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/2020.11.02



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