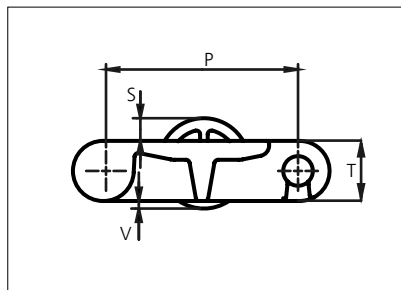




Plastic Modular Belt

Series **uni RTB** Type **M2**



Straight running belt
Nominal pitch: 50.8 mm (2.00 in)
Surface type: Roller Top
Surface opening: Closed
Backflex radius: 65.0 mm (2.56 in)
uni Snap link (pinless)

Belt material & color	POM-S B	P (Nominal)	mm 50.8	in 2.00	T	mm 16.0	in 0.63
Roller material & color	POM-NL O	S	mm 6.0	in 0.24	V	mm 2.0	in 0.08
Cover plate material & color	POM-NL O	Roller Positions					
Pin for roller material & color	SS304						

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

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-S		POM-S			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	kg/m	lb/ft			
153	6.0	4208	946	2.2	1.49	2	2	2
204	8.0	5611	1261	3.0	1.99	2	2	2
255	10.0	7014	1577	3.7	2.49	2	2	2
306	12.1	8417	1892	4.4	2.98	3	3	2
357	14.1	9821	2208	5.2	3.48	3	3	2
408	16.1	11224	2523	5.9	3.98	3	3	2
459	18.1	12627	2839	6.7	4.47	4	4	2
510	20.1	14031	3154	7.4	4.97	4	4	2
561	22.1	15434	3470	8.1	5.47	4	4	2
612	24.1	16837	3785	8.9	5.97	5	5	3
663	26.1	18240	4100	9.6	6.46	5	5	3

Additional standard belt widths are available in steps of 51.0 mm (2.01 in).

1989	78.3	54698	12296	28.8	19.38	14	14	7
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Additional standard belt widths are available in steps of 51.0 mm (2.01 in).

2958	116.5	81345	18286	42.9	28.82	20	20	10
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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-S 2000 N (450 lbf).

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

Max load per roller: Max. permissible static load: 2000 N (449 lbf), Max permissible dynamic load: 100 N (23 lbf)

= Single Link



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STANDARD

STRAIGHT RUNNING

PITCH 50.8 MM/2.00 IN

Sprocket

No. of teeth	Bore size									Overall diameter		Pitch-diameter		Hub-diameter		Dimension A		Dimension B		Single row/One way	LG	
	Pilot bore	in	1.00	1.18	1.25	1.50	1.57	2.36	2.50												PA6	PA6
		mm	25.4	30.0	31.8	38.1	40.0	60.0	63.5	mm	in	mm	in	mm	in	mm	in	Molded	Machined			
Z08										132.9	5.23	132.8	5.23	65.0	2.56	53.3	2.10	74.6	2.93			
Z10										166.3	6.55	164.4	6.47	65.0	2.56	70.2	2.76	90.4	3.56			
Z10										166.3	6.55	164.4	6.47	120.0	4.72	70.2	2.76	90.4	3.56			
Z12										198.6	7.82	196.3	7.73	65.0	2.56	86.8	3.42	106.3	4.18			
Z12										198.6	7.82	196.3	7.73	120.0	4.72	86.8	3.42	106.3	4.18			
Z16										263.8	10.39	260.4	10.25	150.0	5.90	119.7	4.71	138.3	5.44			

● Molded sprocket

■ Machined sprocket



Other sprocket sizes are available upon request.

Other bore sizes on sprockets are available upon request.

Round bores are always delivered with keyway.

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

Please also ensure that sufficient size shaft is chosen for corresponding load.

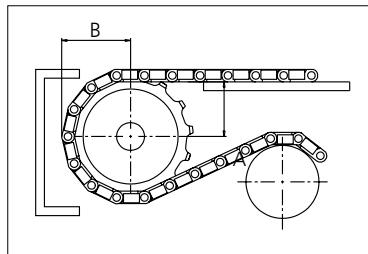
Width of tooth = Single row 9.5 mm (0.37 in)

Width of One-part sprocket = Single row: 42.3 mm (1.67 in)

uni UltraClean Two-Part Sprocket

No. of teeth	Bore size				Overall diameter		Pitch-diameter		Hub-diameter		Dimension A		Dimension B		Single row/One way	Moulded
	in	1.50	1.57	2.36												
	mm	38.1	40.0	60.0	mm	in	mm	in	mm	in	mm	in	mm	in		
Z8		■	■		132.9	5.23	132.8	5.23	80.0	3.15	53.3	2.10	74.9	2.94	✓	✓
Z10		1 ■	1 ■	2 ■	166.3	6.55	164.4	6.47	126.0 118.0	4.96 4.65	70.2	2.76	90.7	3.57	✓	✓
Z12		1 ■	1 ■	2 ■	198.6	7.82	196.3	7.73	126.0 118.0	4.96 4.65	86.8	3.42	106.6	4.19	✓	✓

■ Moulded uni UltraClean TwoPart Sprocket



Width of UltraClean Two-part sprocket = Single row: 44.0 mm (1.73 in)

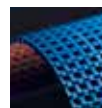
Width of UltraClean Two-part sprocket, tooth = Single row: 9.5 mm (0.37 in)

uni Retainer Rings: See uni Retainer Ring data sheet.

For correct sprocket position: See uni Assembly Instructions for uni RTB.

For more detailed sprocket information. contact Customer Service.

uni RTB M2/2022.04.26



Expert advice and quality solutions for all your belting needs.

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