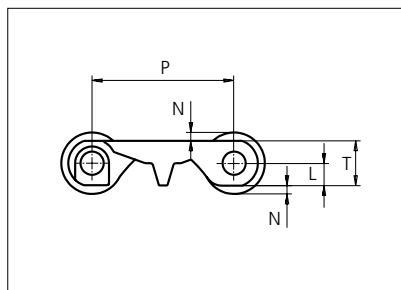
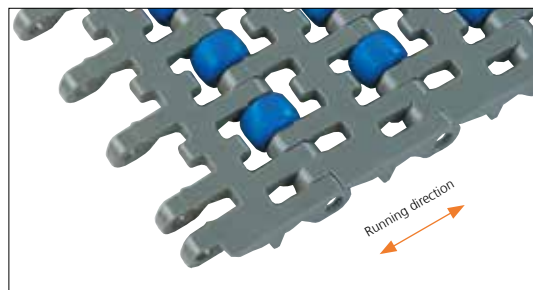




Plastic Modular Belt

Series **uni MPB** Type **RO**



Straight running belt
Nominal pitch: 50.8 mm (2.00 in)
Surface type: Roller Top
Surface opening: 22%
Backflex radius: 65.0 mm (2.6 in)
Pin diameter: ø8 mm (0.31 in)

Belt material & color	POM-DI G	mm	in	mm	in
Pin material & color	PP W	P (Nominal)	50.8	2.00	L
		N	3.0	0.12	T
				16.0	0.63

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

Alternative pin and lock materials: Pin: PA6.6 **N** PP **W** PE **W** PBT **LG** SS304 Lockpin: PA6.6 **B** PBT **LG** Trilock: PA6.6 **N**

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-DI/PP		POM-DI/PP			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	kg/m	lb/ft			
151	5.9	1661	373	1.7	1.15	2	2	2
185	7.3	2030	456	2.1	1.40	2	2	2
202	8.0	2222	500	2.3	1.53	2	2	2
252	9.9	2772	623	2.8	1.91	2	2	2
302	11.9	3322	747	3.4	2.29	3	3	2
353	13.9	3883	873	4.0	2.68	3	3	2
403	15.9	4433	997	4.6	3.06	3	3	2
453	17.8	4983	1120	5.1	3.44	4	4	2
504	19.8	5544	1246	5.7	3.83	4	4	2
554	21.8	6094	1370	6.3	4.21	4	4	2
604	23.8	6644	1494	6.8	4.59	5	5	3
655	25.8	7205	1620	7.4	4.97	5	5	3
705	27.8	7755	1743	8.0	5.35	5	5	3

Additional standard belt widths are available in steps of 50.3 mm (1.98 in.) Additional non-standard belt widths are available in steps of 16.8 mm (0.66 in.)

1963	77.3	21593	4854	22.2	14.91	14	14	7
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Additional standard belt widths are available in steps of 50.3 mm (1.98 in.) Additional non-standard belt widths are available in steps of 16.8 mm (0.66 in.)

2970	116.9	32670	7344	33.6	22.55	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: PP with snub roller 2000 N (450 lbf) without snub roller 1250 N (281 lbf).

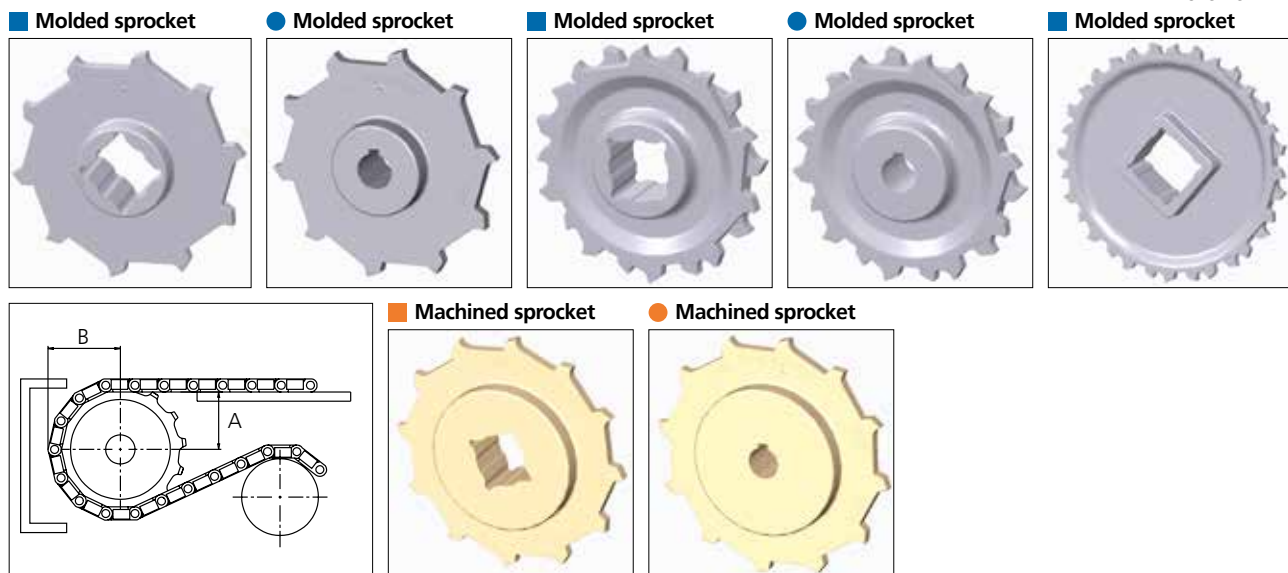
**Max. Spacing between wear strips, Carry: 152 mm (6 in); Return: 304 mm (12 in).

= Single Link

Sprocket

No of teeth	Bore size													Overall diameter		Pitch-diameter		Hub-diameter		A-dimen-sion		B-dimen-sion		Single row/One way	Double row/Two way	Molded PA6 LG	Machined PA6 
	Pilot bore	in	0.75	0.78	0.98	1.00	1.18	1.25	1.50	1.57	2.36	2.50	3.54														
	mm	19.1	20.0	25.0	25.4	30.0	31.8	38.1	40.0	60.0	63.5	90.0	mm	in	mm	in	mm	in	mm	in							
Z06	x					●	●	●	■	■				99.5	3.92	101.6	4.00	65.0	2.56	36.0	1.42	59.3	2.33	x		x	
Z08	x					●	●	●	■	■				132.9	5.23	132.8	5.23	65.0	2.56	53.3	2.10	74.9	2.95	x		x	
Z10	x						●	●	■	■				166.3	6.55	164.4	6.47	65.0	2.56	70.2	2.76	90.7	3.57	x	x	x	
Z10											■	■		166.3	6.55	164.4	6.47	120.0	4.72	70.2	2.76	90.7	3.57	x	x	x	
Z12	x						●	●	■	■	■	■		198.6	7.82	196.3	7.73	120.0	4.72	86.8	3.42	106.6	4.20	x	x	x	
Z16	x						●	●	■	■	■	■		263.8	10.39	260.4	10.25	160.0	5.90	119.7	4.71	138.7	5.46		x	x	
Z16	x						●	●	■	■	■	■		263.8	10.39	260.4	10.25	150.0	5.90	119.7	4.71	138.7	5.46	x			x

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



Other sprocket sizes are available upon request.

Two-part sprocket are available upon request.

Round bores are always delivered with keyway.

Other bore sizes are available upon request.

uni Retainer Rings: See uni Retainer Ring data sheet

Width of sprocket = Single row: 42.3 mm (1.66 in)

Double row: 50.0 mm (1.96 in)

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

Double row: 17.0 mm (0.66 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 MPB.

For more detailed sprocket information, contact Customer Service.



Solid advice
For all your belting needs
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