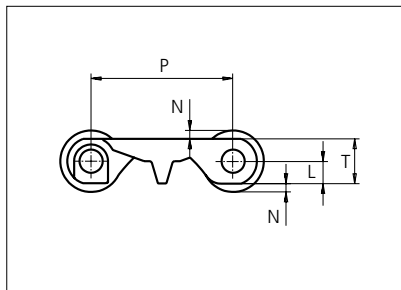
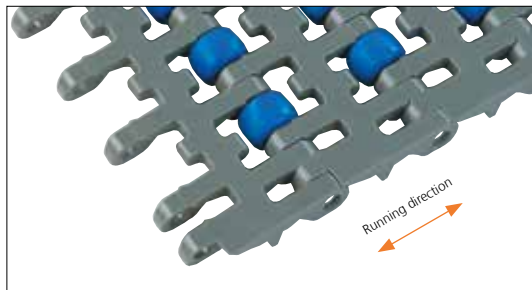




# Plastic Modular Belt

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: 8 mm (0.31 in)

Belt material & color	POM-DI <b>G</b>		mm	in		mm	in
		<b>P (Nominal)</b>	50.8	2.00	<b>L</b>	8.0	0.31
Pin material & color	PP <b>W</b>		mm	in		mm	in
		<b>N</b>	3.0	0.12	<b>T</b>	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



STANDARD

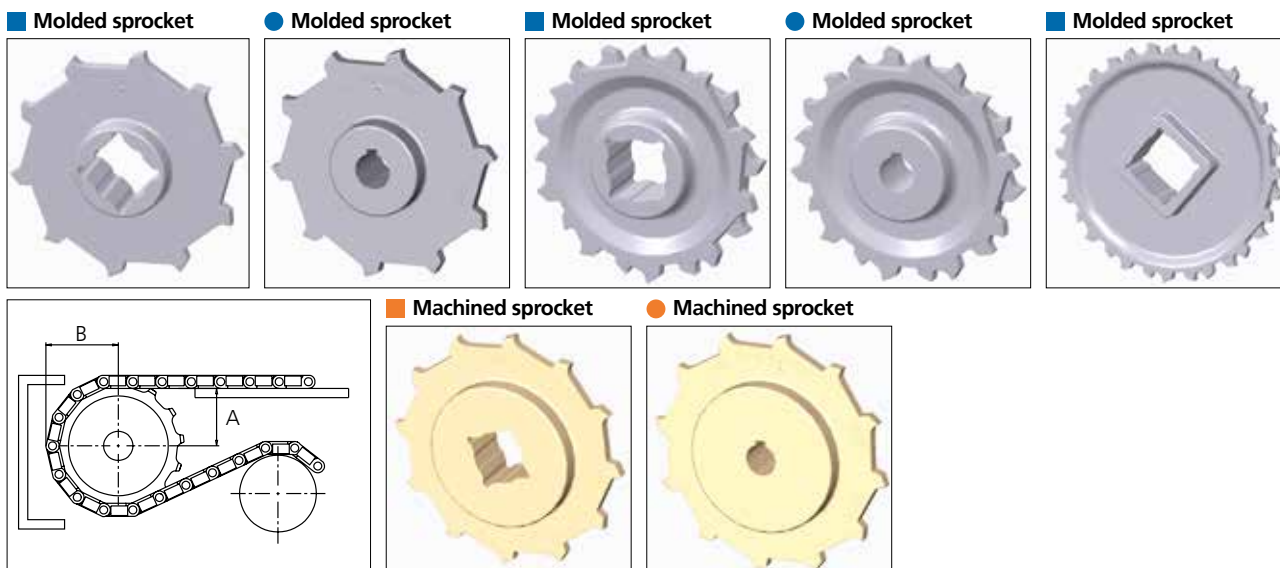
STRAIGHT RUNNING

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	Double row/Two way	Molded PA6 LG	Machined PA6 N	
	Pilot bore	mm																								
		mm	20.0	25.0	25.4	30.0	31.8	38.1	40.0	60.0	63.5	90.0														
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	70.0	2.75	53.3	2.10	74.9	2.94	x	x*	x	
Z10	x					●	●	■	■	■			166.3	6.55	164.4	6.47	70.0	2.75	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	70.0	2.75	86.8	3.42	106.6	4.19	x	x	x	
Z12											■	■	198.6	7.82	196.3	7.73	120.0	4.72	86.8	3.42	106.6	4.19	x	x	x	
Z16					●	●	■	■	■	■	■	■	263.8	10.39	260.4	10.25	160.0	6.30	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.

uni MPB RO/160628



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