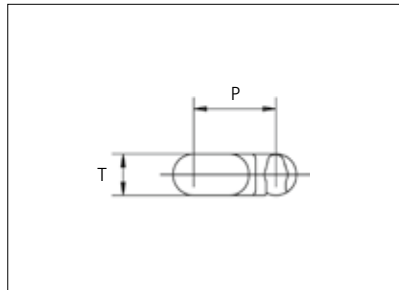
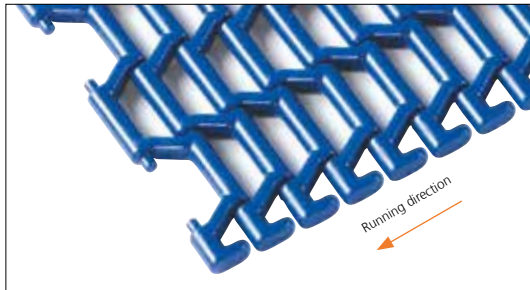




Plastic Modular Belt

Series **uni M-PNB** Type **M1 40%**



Straight Running
Nominal pitch: 12.7 mm (0.50 in)
Surface type: Flat
Surface opening: 40%
Backflex radius: 12.5 mm (0.49 in)

Running in both directions is possible.
uni-chains recommends this travel direction.

Belt material & color	POM-S	B	W	P (Nominal)	mm	in	T	mm	in
					12.7	0.50		6.4	0.25

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

Belt width		Permissible tensile force (Belt material)		Belt weight (Belt 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			
51	2.0	102	23	0.2	0.15	2	2	2
102	4.0	203	46	0.5	0.31	2	2	2
152	6.0	305	69	0.7	0.46	3	2	2
203	8.0	406	91	0.9	0.61	4	2	2
254	10.0	508	114	1.1	0.77	5	2	2
305	12.0	610	137	1.4	0.92	6	3	2
356	14.0	711	160	1.6	1.08	7	3	2
406	16.0	813	183	1.8	1.23	8	3	2
457	18.0	914	206	2.1	1.38	9	4	2
508	20.0	1016	228	2.3	1.54	10	4	2
559	22.0	1118	251	2.5	1.69	11	4	2
610	24.0	1219	274	2.7	1.84	12	5	3
660	26.0	1321	297	3.0	2.00	13	5	3
711	28.0	1422	320	3.2	2.15	14	5	3
762	30.0	1524	343	3.4	2.30	15	6	3

Additional standard belt widths are available in steps of 50.7 mm (2.00 in.)

1979	77.9	3958	890	8.9	5.98	39	14	7
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Additional standard belt widths are available in steps of 50.7 mm (2.00 in.)

2994	117.9	5988	1346	13.5	9.05	59	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.

*Max. Load per Drive Sprocket. Belt material: POM-S 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.)

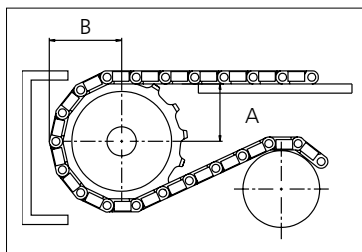
 = Single Link

Sprocket

No of teeth	Bore size													Overall diameter		Pitch-diameter		Hub-diameter		A-dimen- sion		B-dimen- sion		Single row/Two way	Double row/Two way	PA6 LG	PA6 N
	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							
Z08	x				15 mm								34.0	1.34	34.3	1.35	25.0	0.98	12.2	0.48	20.2	0.80	x			x	
Z10	x		●	●									42.4	1.67	42.1	1.66	32.0	1.26	16.4	0.65	24.0	0.94	x			x	
Z14	x		●	●	■	■							59.0	2.32	57.9	2.28	50.0	1.97	24.6	0.97	31.9	1.26	x			x	
Z17	x				●	●	●	●					71.3	2.81	69.8	2.75	60.0	2.36	30.8	1.21	37.9	1.49	x			x	
Z19	x					●	●	●	■	●	■		79.5	3.13	77.9	3.07	70.0	2.76	34.9	1.37	41.9	1.65	x			x	
Z24	x					●	●	●	■	●	■	●	91.0	3.58	97.9	3.85	90.0	3.54	45.1	1.78	52.0	2.05	x			x	
Z28	x					●	●	●	■	●	■	●	107.1	4.22	114	4.49	105.0	4.13	53.2	2.09	60.0	2.36	x			x	
Z36	x						●	●	■	●	■	●	148.5	5.85	146.2	5.76	130.0	5.12	69.4	2.73	76.1	3.00	x			x	

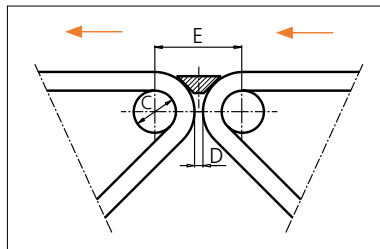
■ Machined sprocket

● Machined sprocket



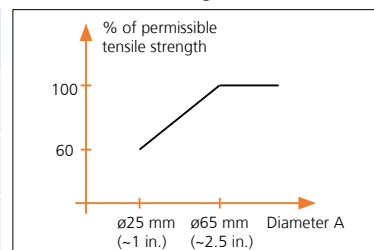
Non standard material and color: See uni Material and Color Overview.

Nosebars Min. Dimensions



	mm	in
C	25.0	0.98
D	5.0	0.20
E	46.0	1.81

Reduction of Strength



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 tooth = 12.0 mm (0.47 in)
 Width of sprocket = 20.0 mm (0.79 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 M-PNB.
 For more detailed sprocket information. contact Customer Service.



Conveyor



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Modular



Timing



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