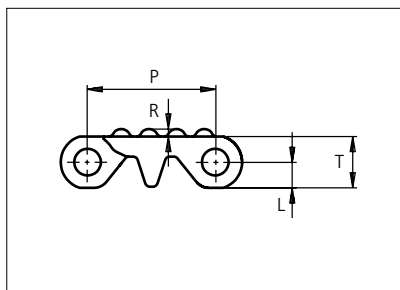


Plastic Modular Belt

Series **uni S-MPB** Type **N**



Straight running belt
 Nominal pitch: 25.4 mm (1.00 in)
 Surface type: No Cling
 Surface opening: Closed
 Backflex radius: 23.0 mm (0.91 in)
 Pin diameter: ø5 mm (0.20 in)

Belt material & color	POM-DI W	PE-I N	PE-I B		mm	in		mm	in
Pin material & color	PP W	PE N	PE N	P (Nominal)	25.4	1.00	L	5.20	0.20
				R	1.50	0.06	T	10.3	0.41

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

Alternative pin and lock materials: Lockpin: PBT **LG** PA6.6 **D** **N** PP **B**

Note: uni S-MPB N is available with an indent of 38.6 mm (1.52 in) in both sides (as uni S-MPB NE).

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		PE-I/PE		POM-DI/PP		PE-I/PE			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft			
77	3.0	1810	407	604	136	0.6	0.43	0.4	0.29	2	2	2
153	6.0	3596	808	1201	270	1.3	0.85	0.9	0.59	2	2	2
229	9.0	5383	1210	1798	404	1.9	1.28	1.3	0.88	2	2	2
305	12.0	7169	1612	2395	538	2.5	1.70	1.7	1.17	3	3	2
381	15.0	8956	2013	2992	672	3.2	2.13	2.2	1.46	3	3	2
457	18.0	10742	2415	3588	807	3.8	2.55	2.6	1.75	4	4	2
507	20.0	11910	2677	3978	894	4.2	2.83	2.9	1.94	4	4	2
533	21.0	12529	2816	4185	941	4.4	2.97	3.0	2.04	4	4	2
609	24.0	14315	3218	4782	1075	5.1	3.40	3.5	2.33	5	5	3
685	27.0	16102	3620	5379	1209	5.7	3.82	3.9	2.62	5	5	3
761	30.0	17888	4021	5975	1343	6.3	4.25	4.3	2.92	6	6	3
837	33.0	19675	4423	6572	1477	6.9	4.67	4.8	3.21	6	6	3
913	36.0	21461	4824	7169	1612	7.6	5.09	5.2	3.50	7	7	4

Additional standard belt widths are available in steps of 76.0 mm (2.99 in.) Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in.)

1977	77.8	46460	10444	15519	3489	16.4	11.03	11.3	7.57	14	14	7
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Additional standard belt widths are available in steps of 76.0 mm (2.99 in.) Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in.)

2965	116.7	69678	15664	23275	5232	24.6	16.54	16.9	11.36	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-DI 1100 N (247 lbf), PE 500 N (112 lbf)

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

 = Single Link

Accessories

Flight

Missing photo

Flat

13% Non Stick

Running direction

H

Type	Material & color	H		Link size	Width		Indent both sides	
		mm	in		mm	in	mm	in
13% Non Stick	POM-D W	76.2	3.00	K600	151.9	5.98	00.0	0.00
Flat	PP-I W B PE-I N B	50.8	2.00	K2000	506.7	19.95	25.8	1.02

Accessories

Side Guide

Closed

Running direction

A

B

C

D

E

F

G

Type	Material & color	A		B		C		D		E		F		G	
		mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in
Closed	PP-I W B	25.4	1.00	50.8	2.00	76.2	3.00	12.5	0.49	18.5	0.73	25.5	1.00	31.5	1.24

Minimum indent to outside of side guide: 14.0 mm (0.55 in). Increment 6.4 mm (0.25).
Non Standard material and color: See uni Material and Color Overview.
Backflex radius for Side Guide: 75.0 mm (2.95 in)

Sprocket

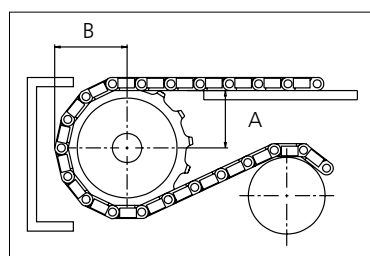
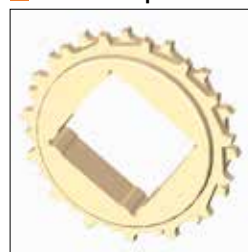
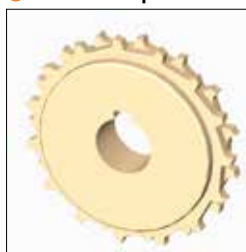
No of teeth	Bore size												Overall diameter		Pitch diameter		Hub-diameter		A-dimen-sion		B-dimen-sion		Single row/Two way	Double row/Two way	Molded PA6 LG	Machined PA6 N
	Pilot bore	in	0.75	0.78	0.98	1.00	1.18	1.25	1.50	1.57	2.36	2.50														
			mm	19.05	20.00	25.00	25.40	30.00	31.75	38.10	40.00	60.00	63.50	90.00	mm	in	mm	in	mm	in	mm	in				
Z06	x		●	●									45.2	1.78	50.8	2.00	33.0	1.30	16.9	0.67	20.05	0.79		x	x	
Z08	x					●	●	●					62.5	2.46	66.4	2.61	50.0	1.97	25.56	1.01	27.84	1.10		x		x
Z10	x					●	●	●		●			79.4	3.13	82.2	3.24	66.0	2.6	34	1.34	35.75	1.41		x	x	
Z12	x					●	●	●		●	●		96.0	3.78	98.1	3.86	70.0	2.76	42.3	1.67	54.42	2.14		x	x	
Z15	x					●	●	●	■	●	●		120.7	4.75	122.2	4.81	70.0	2.76	54.54	2.15	66.43	2.62		x	x	
Z15											■		120.7	4.75	122.2	4.81	100.0	3.94	54.54	2.15	66.43	2.62		x		x
Z20	x							●	■	●	■	■	161.6	6.36	162.4	6.39	100.0	3.94	75.08	2.96	86.53	3.41		x	x	x

■ Molded sprocket

● Molded sprocket

● Machined sprocket

■ Machined sprocket



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 tooth = 12.7 mm (0.50 in)

Width of sprocket = 25.0 mm (0.98 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 S-MPB.

For more detailed sprocket information, contact Customer Service.



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