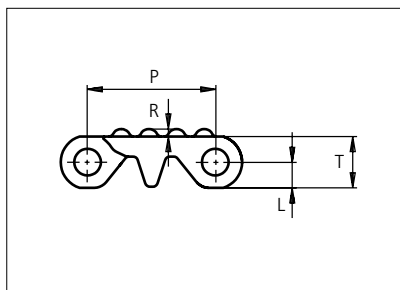




Plastic Modular Belt

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: 30.0 mm (1.20 in)
Pin diameter: 5.0 mm (0.20 in)

Belt material & color	POM-DI W	PE-I B		mm	in		mm	in
Pin material & color	 PP W	 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.

*Single Link K2000 is available with a molded indent of 38.6 mm (1.52 in) in both sides.

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: 152.0 mm (6.00 in); Return: 304.0 mm (12.00 in).

= Single Link



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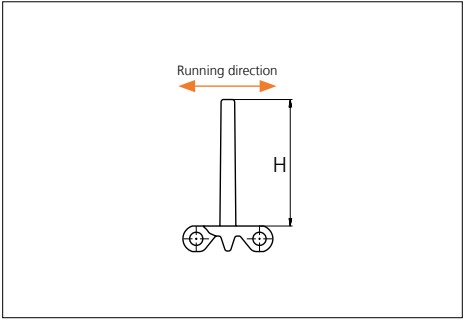
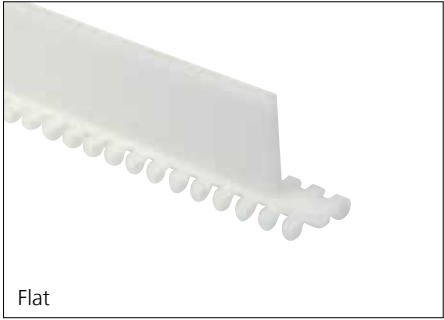
STANDARD

STRAIGHT RUNNING

PITCH 25.4 MM/1.00 IN

Accessories

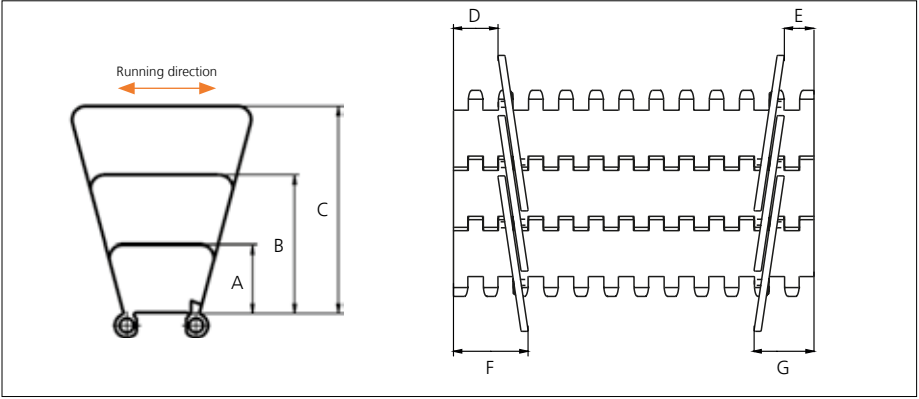
Flight



Type	Material & color	H		Link size	Width		Indent both sides	
		mm	in		mm	in	mm	in
13% Non Stick	POM-DI 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



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	18.7	0.74	12.5	0.49	31.5	1.24	25.3	1.00

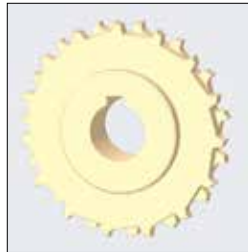
Minimum indent to outside of side guide: 14.0 mm (0.55 in). Increment 6.4 mm (0.25).
Non Standard material and color: See uni Material and Color Overview.
Backflex radius for Side Guide: 75.0 mm (2.95 in).

Sprocket

No. of teeth	Bore size										Overall diameter		Pitch-diameter		Hub-diameter		Dimension A		Dimension B		Double row/Two way	Molded	Machined
	Pilot bore	in	0.75	0.78	1.00	1.18	1.25	1.50	1.57	2.36													
			mm	19.05	20.00	25.40	30.00	31.75	38.10	40.00	60.00	mm	in	mm	in	mm	in	mm	in				
Z06	✓		●	●							45.2	1.77	50.8	2.00	33.0	1.30	16.9	0.67	30.8	1.21	✓	✓	
Z08	✓				●	●	●				62.5	2.46	66.4	2.61	50.0	1.97	25.6	1.01	38.5	1.51	✓		✓
Z10	✓				●	●	●		●		79.4	3.26	82.2	3.24	66.0	2.60	34.0	1.34	46.4	1.82	✓	✓	
Z12	✓				●	●	●		●		96.0	3.77	98.1	3.86	70.0	2.76	42.3	1.67	54.4	2.14	✓	✓	
Z15	✓				●	●	●	■	■	■	120.7	4.75	122.2	4.81	70.0	2.76	54.5	2.15	66.4	2.62	✓	✓	
Z20	✓						●	■	■	■	161.6	6.44	162.4	6.39	70.0	2.76	75.1	2.96	86.5	3.29	✓	✓	

■ 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: 6.35 mm (0.25 in)

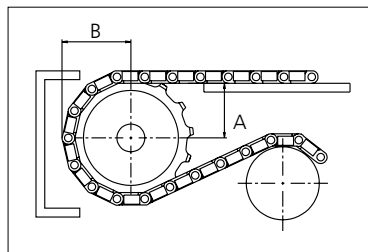
= Double row: 12.7 mm (0.50 in)

Width of One-part sprocket = Double row: 25.0 mm (0.98 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	1.57												
	mm	40.0	mm	in	mm	in	mm	in	mm	in	mm	in		
Z12		■	98.6	3.88	98.1	3.86	80.0	3.15	42.3	1.67	54.42	2.14	✓	✓
Z15		■	123.1	4.84	122.2	4.81	80.0	3.15	54.54	2.15	66.43	2.62	✓	✓
Z20		■	163.8	6.44	162.4	6.39	118.0	4.65	75.08	2.96	86.53	3.41	✓	✓

■ Moulded uni UltraClean TwoPart Sprocket



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

Width of UltraClean Two-part tooth = Single row: 6.35 mm (0.25 in)

uni Retainer Rings: See uni Retainer Ring data sheet.

For correct sprocket position: See uni Assembly Instructions for uni S-MPB.

For more detailed sprocket information. contact Customer Service.

uni S-MPB N/2022.03.07



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