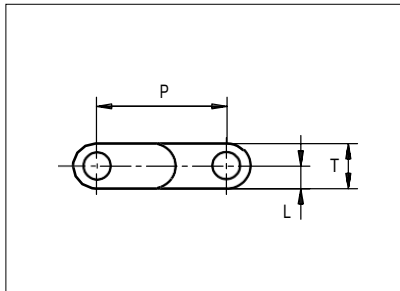
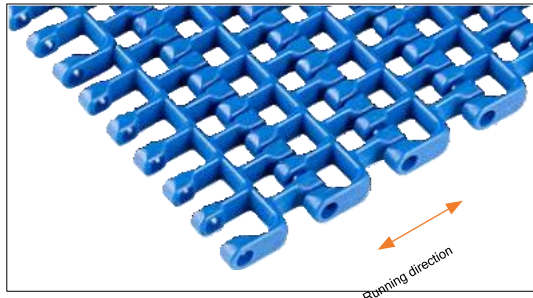




# Plastic Modular Belt

Series **uni SNB** Type **M2 50%**



Straight running belt  
 Nominal pitch: 25.4 mm (1.00 in)  
 Surface type: Flat  
 Surface opening: 50%  
 Backflex radius: 30.0 mm (1.20 in)  
 Pin diameter: 5.0 mm (0.20 in)

Belt material & color	PA6.6 <b>B</b>	PP <b>B</b>	PP <b>W</b>	mm	in	mm	in		
Pin material & color	PP <b>B</b>		PP <b>W</b>	P (Nominal)	25.4	1.00	L	4.4	0.17
				T	8.8	0.35	-	-	-

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** **W** PE **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.)	
		PP/PP		PA6.6/PP		PP/PP		PA6.6/PP			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft			
153	6.0	1836	413	3060	688	0.5	0.31	0.6	0.38	2	2	2
229	9.0	2748	618	4580	1030	0.7	0.47	0.8	0.56	2	2	2
305	12.0	3660	823	6100	1371	0.9	0.62	1.1	0.75	3	3	2
381	15.0	4572	1028	7620	1713	1.2	0.78	1.4	0.94	3	3	2
457	18.0	5484	1233	9140	2055	1.4	0.93	1.7	1.13	4	4	2
533	21.0	6396	1438	10660	2396	1.6	1.09	2.0	1.31	4	4	2
609	24.0	7308	1643	12180	2738	1.8	1.24	2.2	1.50	5	5	3
685	27.0	8220	1848	13700	3080	2.1	1.39	2.5	1.69	5	5	3
761	30.0	9132	2053	15220	3421	2.3	1.55	2.8	1.88	6	6	3
837	33.0	10044	2258	16740	3763	2.5	1.70	3.1	2.06	6	6	3
913	35.9	10956	2463	18260	4105	2.8	1.86	3.4	2.25	7	7	4
989	38.9	11868	2668	19780	4447	3.0	2.01	3.6	2.44	7	7	4
1065	41.9	12780	2873	21300	4788	3.2	2.17	3.9	2.63	8	8	4

Additional standard belt widths are available in steps of 76.1 mm (3.00 in). Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in).

1977	77.8	23724	5333	39540	8889	6.0	4.03	7.3	4.88	14	14	7
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Additional standard belt widths are available in steps of 76.1 mm (3.00 in). Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in).

2965	116.7	35580	7998	59300	13331	9.0	6.04	10.9	7.31	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.

Belt widths in PA66 is 0,2 % wider than the belt widths in the table above.

\*Max. Load per Drive Sprocket. Belt material: PP 1100 N (247 lbf); PA66 1400 N (315 lbf).

\*\*Max. Spacing between wear strips, Carry: 152.0 mm (6.00 in); Return: 304.0 mm (12.00 in).

= Single Link



STANDARD

STRAIGHT RUNNING

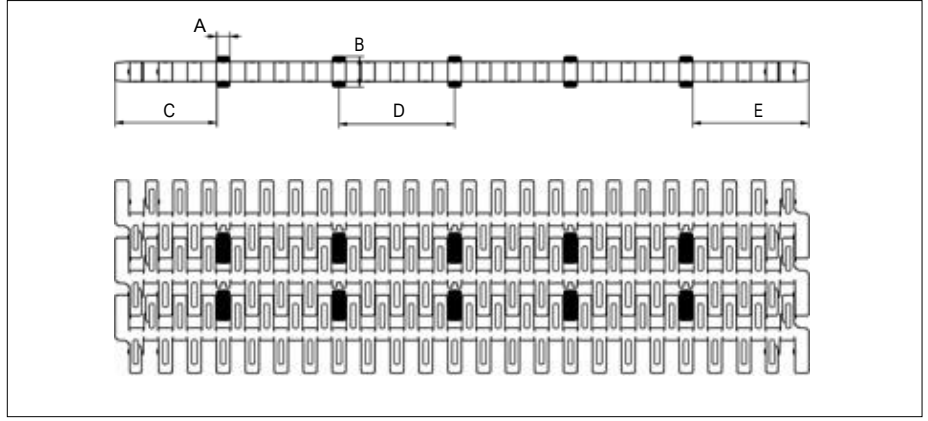
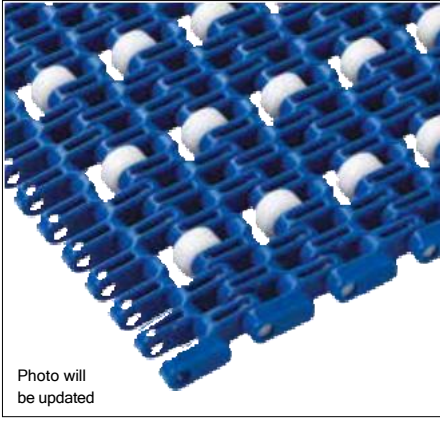
PITCH 25.4 MM/1.00 IN

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## Accessories

### Rollers NON STANDARD

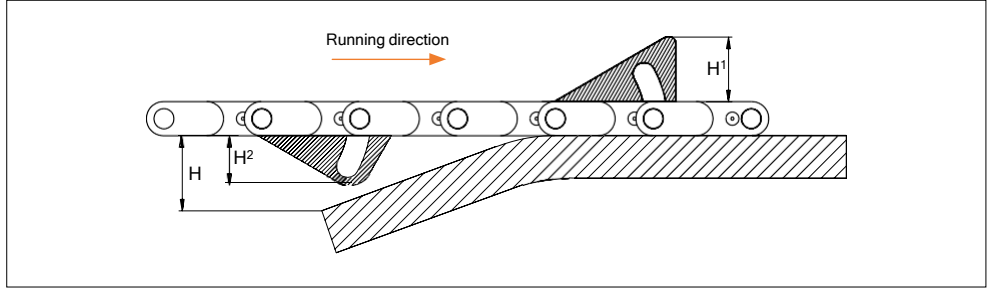
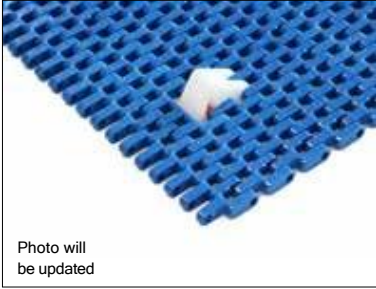


Type	Roller material & color	A		B		C		D		E	
		mm	in	mm	in	mm	in	mm	in	mm	in
Plastic	POM-D W	5.7	0.22	13.5	0.53	44.6	1.75	50.8	2.00	51.0	2.01

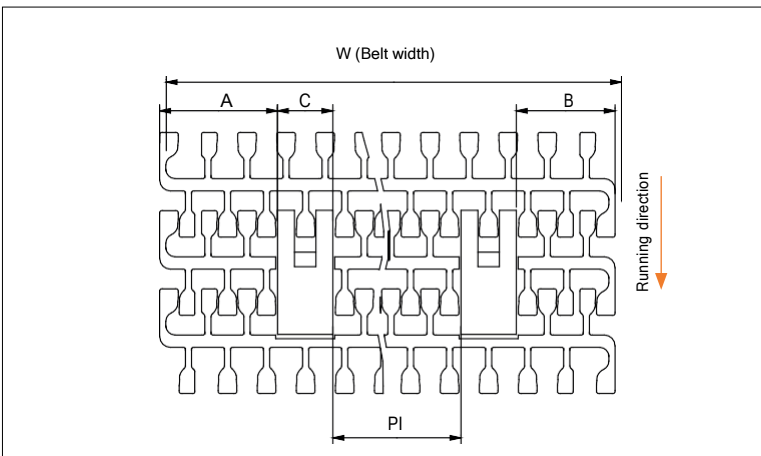
Non Standard material and color: See uni Material and Color Overview.

## Accessories

### AmFlight



Type	Material & color	H		H <sup>1</sup>		H <sup>2</sup>	
		mm	in	mm	in	mm	in
Push	PE W	17.0	0.67	17.0	0.67	14.4	0.57



	mm	in
<b>A min</b>	38.3	1.51
<b>B min</b>	32.1	1.26
<b>C</b>	18.0	0.71
<b>PI max</b>	W - 106.4	W - 4.19
<b>PI min</b>	33.2	1.31

Increment: 12.7 mm (0.50 in).

### Sprocket

No. of teeth	Bore size									Overall diameter		Pitch diameter		Hub diameter		Dimension A		Dimension B		Single row/Two way	Molded PA6 LG
	Pilot Bore	in		1.00		1.25		1.50													
	mm	25.4	30.0	31.8	38.1	40.0	60.0	63.5	mm	in	mm	in	mm	in	mm	in					
Z10	✓	●	●	●	■	●			86.0	3.39	82.2	3.24	65.0	2.56	34.7	1.37	45.5	1.79	✓	✓	
Z12	✓	●	●	●	■	■			103.2	4.06	98.1	3.86	65.0	2.56	43.0	1.69	53.5	2.11	✓	✓	
Z18	✓		●	●	■	■			151.9	5.98	146.3	5.76	65.0	2.56	67.6	2.66	77.6	3.06	✓	✓	
Z18	✓						●	●	151.9	5.98	146.3	5.76	120.0	4.72	67.6	2.66	77.6	3.06	✓	✓	
Z19	✓		●	●	■	■			160.0	6.30	154.3	6.07	65.0	2.56	71.7	2.82	81.6	3.21	✓	✓	
Z19	✓						●	●	160.0	6.30	154.3	6.07	120.0	4.72	71.7	2.82	81.6	3.21	✓	✓	
Z20	✓		●	●	■	■			168.2	6.62	162.4	6.39	65.0	2.56	75.8	2.98	85.6	3.37	✓	✓	
Z20	✓						●	●	168.2	6.62	162.4	6.39	120.0	4.72	75.8	2.98	85.6	3.37	✓	✓	

■ Molded sprocket

● Molded sprocket



Other sprocket sizes are available upon request.

Other bore sizes on sprockets are available upon request.

Max. load per sprocket shown does not take bore size into account.

Please also ensure that sufficient size shaft is chosen for corresponding load.

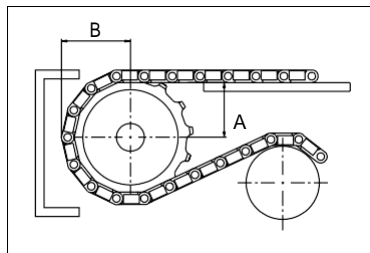
Width of tooth = Single row: 6.0 mm (0.24 in)

Width of One-part sprocket = Single 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/Two way	Moulded PA6
	in	1.50	1.57	2.36	2.50												
	mm	38.1	40.0	60.0	63.5	mm	in	mm	in	mm	in	mm	in				
Z12		■	■			103.2	4.06	98.1	3.86	80.0	3.15	43	1.69	53.5	2.11	✓	✓
Z15		■	■			127.5	5.02	122.2	4.81	80.0	3.15	55.4	2.18	65.5	2.58	✓	✓
Z19		1 ■	1 ■	2 ■	2 ■	160.0	6.30	154.3	6.07	118.0 126.0	4.65 4.96	71.7	2.82	81.6	3.21	✓	✓
Z20			■			168.2	6.62	162.4	6.39	118	118.0	75.8	2.98	85.6	3.37	✓	✓

■ Moulded uni UltraClean TwoPart Sprocket



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

Width of UltraClean Two-part sprocket, tooth = Single row: 6.0 mm (0.24 in)

uni Retainer Rings: See uni Retainer Ring data sheet.

For correct sprocket position: See uni Assembly Instructions for uni SNB M2.

For more detailed sprocket information, contact Customer Service.

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