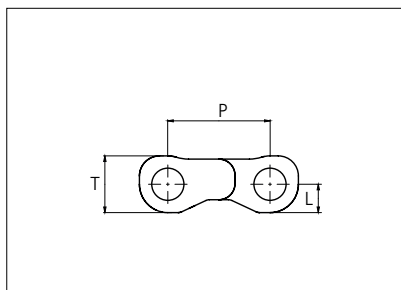
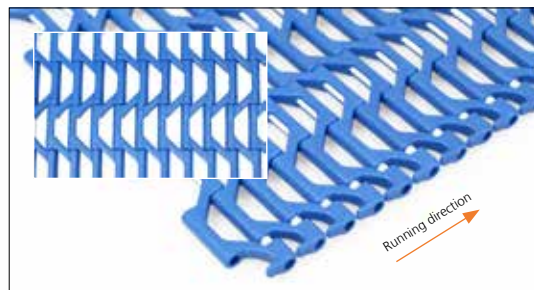




Plastic Modular Belt

Series **uni M-OWL** Type **40% Open**



Straight Running
Nominal pitch: 12.7 mm (0.50 in)
Contact area: 8%
Surface opening: 40%
Backflex radius: 12.5 mm (0.49 in)
Pin diameter: 4.0 mm (0.16 in)
Largest opening: 7.6 x 23 mm (0.30 x 0.91 in)

Belt material & color	POM-D B W		mm	in		mm	in
Pin material & color	PP W	P (Nominal)	12.7	0.50	T	7.2	0.28
		L	3.6	0.14	-	-	-

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

Alternative pin materials: Lockpin: PA6.6 **B**

Belt width		Permissible tensile force (Belt material)		Belt weight (Belt material)		*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		POM-D		POM-D			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	kg/m	lb/ft			
203	8.0	914	205	0.9	0.59	2	2	2
254	10.0	1143	257	1.1	0.74	3	2	2
305	12.0	1373	309	1.3	0.89	4	3	2
356	14.0	1602	360	1.5	1.04	4	3	2
407	16.0	1832	412	1.8	1.18	5	3	2
457	18.0	2057	462	2.0	1.33	5	4	2
508	20.0	2286	514	2.2	1.48	5	4	2
559	22.0	2516	565	2.4	1.63	6	4	2
610	24.0	2745	617	2.6	1.78	7	5	3
660	26.0	2970	668	2.9	1.92	7	5	3
711	28.0	3200	719	3.1	2.07	7	5	3
762	30.0	3429	771	3.3	2.22	8	6	3

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

1980	78.0	8910	2003	8.6	5.76	20	14	7
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Additional standard belt widths are available in steps of 50.7 mm (2.00 in).

2996	118.0	13482	3031	13.0	8.72	30	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-D with snub roller 1000 N (450 lbf) without snub roller 500 N (281 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 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	Machined PA6 N
	Pilot bore	in	0.78	0.98	1.00	1.25	1.50	1.57													
	mm	20.0	25.0	25.4	31.75	38.1	40.0	mm	in	mm	in	mm	in	mm	in						
Z14	✓		●	●				61.4	2.42	58.0	2.28	44.9	1.77	24.7	0.97	32.7	1.29	✓		✓	
Z17	✓			●		■		73.6	2.90	63.1	2.48	58.0	2.28	31.0	1.22	38.8	1.53	✓	✓		
Z19	✓				●		●	81.8	3.22	78.4	3.09	68.8	2.70	35.1	1.38	42.9	1.69	✓		✓	
Z24	✓						●	102.2	4.02	98.8	3.89	89.3	3.51	45.5	1.79	53.1	2.09	✓		✓	
Z36	✓						●	151.4	5.96	148.0	5.83	134.9	5.31	70.2	2.76	77.6	3.06	✓		✓	

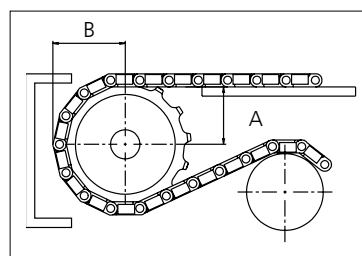
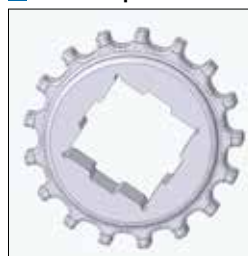
Machined sprocket



Machined sprocket

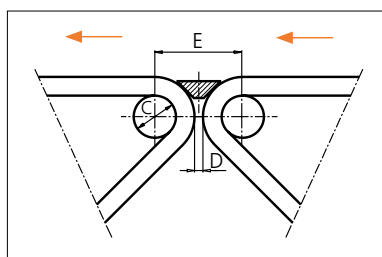


Molded sprocket



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

Nosebars Min. Dimensions



	mm	in
C	19.0	0.75
D	5.0	0.20
E	39.3	1.55

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 = 11.0 mm (0.43 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-OWL.
For more detailed sprocket information. contact Customer Service.



Synthetic Belts



Endless Woven Belts



Modular Belts



Engineered Belts



Homogeneous Belts



Fabrication & Service

Expert advice and quality solutions for all your belting needs.

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