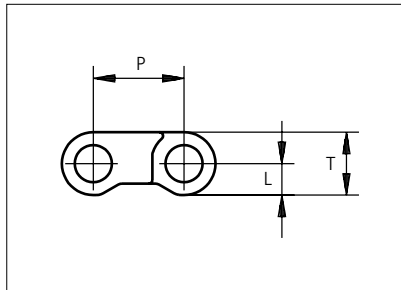
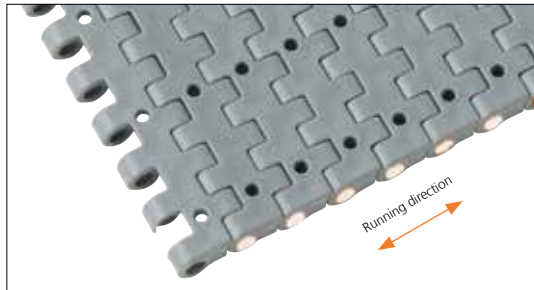




# Plastic Modular Belt

Series **uni M-QNB** Type **Vacuum**



Straight running belt  
 Nominal pitch: 12.7 mm (0.50 in)  
 Surface type: Flat  
 Surface opening: Closed  
 Backflex radius: 20.0 mm (0.80 in)  
 Pin diameter: 5.0 mm (0.20 in)

**Vacuum holes: ø3.2 mm (0.12 in)**

Recommended belt material & color	PP <b>G</b>	mm	in		mm	in
		<b>P (Nominal)</b>	12.7	0.50	<b>T</b>	8.8
Recommended pin material & color	PP <b>W</b>	L	4.4	0.17	-	-

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

Alternative pin and lock materials: Lockpin: PBT **LG** PA6.6 **N** **D** PP **B** 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		PP/PP			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	kg/m	lb/ft			
77	3.0	1001	225	0.5	0.32	2	2	2
153	6.0	1989	447	0.9	0.63	2	2	2
229	9.0	2977	669	1.4	0.94	3	2	2
305	12.0	3965	891	1.9	1.25	4	3	2
382	15.0	4966	1116	2.3	1.57	4	3	2
458	18.0	5954	1338	2.8	1.88	5	4	2
534	21.0	6942	1561	3.3	2.19	6	4	2
610	24.0	7930	1783	3.7	2.50	7	5	3
687	27.0	8931	2008	4.2	2.82	7	5	3
763	30.0	9919	2230	4.7	3.13	8	6	3
839	33.0	10907	2452	5.1	3.44	9	6	3
915	36.0	11895	2674	5.6	3.75	10	7	4
992	39.1	12896	2899	6.1	4.07	10	7	4

Additional standard belt widths are available in steps of 76.3 mm (3.00 in.) Additional non-standard belt widths are available in steps of 38.1 mm (1.50 in.)

1983	78.1	25779	5795	12.1	8.13	20	14	7
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Additional standard belt widths are available in steps of 76.3 mm (3.00 in.) Additional non-standard belt widths are available in steps of 38.1 mm (1.50 in.)

2974	117.1	38662	8691	18.1	12.19	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. Non standard belt width on request.

\*Max. Load per Drive Sprocket. Belt material: PP 800 N (180 lbf).

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

= Single Link



NON 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	LG
	Pilot bore	in		mm		mm		mm														
		mm	18.0	25.4	30.0	31.8	38.1	40.0	60.0	mm	in	mm	in	mm	in	mm	in	mm	in			
Z10	✓	●							41.3	1.63	41.1	1.62	28.0	1.10	15.2	0.60	25	0.98	✓	✓		
Z19	✓		●	●	●	■	●		78.3	3.06	77.2	3.04	65.0	2.56	33.7	1.33	43	1.69	✓	✓		
Z28	✓		●	●	●	■	●		114.9	4.52	113.4	4.46	65.0	2.56	52	2.05	61.1	2.41	✓	✓		
Z28								■	114.9	4.52	113.4	4.46	100.0	3.93	52	2.05	61.1	2.41	✓	✓		
Z38	✓				●	●	●		155.5	6.12	153.8	6.06	75.0	2.95	72.2	2.84	81.3	3.20	✓	✓		

### Molded sprocket



### Molded sprocket



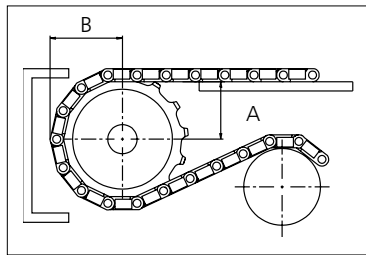
Other sprocket sizes are available upon request.  
 Other bore sizes on sprockets are available upon request.  
 Round bores are always delivered with keyway.  
 Max. load per sprocket shown does not take bore size into account.  
 Please also ensure that sufficient size shaft is chosen for corresponding load.

Width of tooth = Single row: 7.0 mm (0.28 in)  
 Width of One-part sprocket = Single row: 20.0 mm (0.79 in)

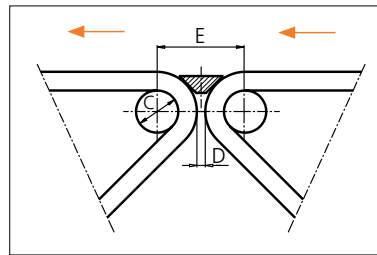
## uni UltraClean Two-Part Sprocket

No. of teeth	Bore size			Overall diameter		Pitch-diameter		Hub-diameter		Dimension A		Dimension B		Single row/Two way	Moulded	W
	in	1.50	1.57													
	mm	38.1	40.0	mm	in	mm	in	mm	in	mm	in	mm	in			
Z28		■	■	114.9	4.52	113.4	4.46	80.0	3.15	52.0	2.05	61.1	2.41	✓	✓	
Z38			■	155.5	6.12	153.8	6.06	126.0	4.96	72.2	2.84	81.3	3.20	✓	✓	

### Moulded uni UltraClean TwoPart Sprocket



### Nosebars Min. Dimensions



	mm	in
C	20.0	0.79
D	4.0	0.16
E	41.6	1.64

Width of UltraClean Two-part sprocket = Single row: 44.0 mm (1.73 in)  
 Width of UltraClean Two-part sprocket, tooth = Single row: 7.0 mm (0.28 in)

uni Retainer Rings: See uni Retainer Ring data sheet.  
 For correct sprocket position: See uni Assembly Instructions for uni M-QNB.  
 For more detailed sprocket information. contact Customer Service.



Expert advice, quality solutions and local service for all your belting needs  
[www.ammeraalbeltech.com](http://www.ammeraalbeltech.com)

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