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- Easier and faster maintenance with new modules that snap together
- 40% open mesh
- Light-weight
- Smooth running, level underside

uni M-PNB M1 Snap Link®

Plastic Modular Belt with No Pins

A revolution in plastic modular belt design which improves conveyor performance and reduces operating costs

New

Snap Link®



uni M-PNB M1

A new open-belt design with Snap Link® modules that simply snap together for easy assembly/disassembly.

uni M-PNB M1 is the ideal mesh belt for conveying light items. Its level underside and smooth running surface make it perfect for weighing applications.

- Snap Link® reduces the number of components, meaning fewer spare parts to stock, easier cleaning and a consistent belt weight per linear foot.

- Small transfer radii's are possible using the Z=8 sprocket or a 25 mm diameter nose bar.

- Available in standard belt widths from 2.0 in. (51 mm) to 120 in. (3045 mm) in increments of 2.0 in.



Industries and applications:

Bakeries
Cooling conveyors
Food processing
Fish processing

Standard Materials and Colors

Type	Standard materials and colors
uni M-PNB M1 Snap Link®	POM-S blue B and white W
uni M-PNB M1 Snap Link®	PP blue B and white W

POM-S is a POM polymer which contains low noise components, mainly used for the new "uni Snap Link" with no pins.

Belt Weights

Belt material	POM		PP	
	kg/m ²	lb/ft ²	kg/m ²	lb/ft ²
uni M-PNB M1 Snap Link®	4.5	0.92	2.9	0.59

Permissible Tensile Strength

Belt material	POM		PP	
	N/m	lbf/ft	N/m	lbf/ft
uni M-PNB M1	2000 ^{a/}	137 ^{a/}	1000 ^{a/}	69 ^{a/}

^{a/} Please note: strength reduction if:

- non-compliance with recommended sprocket distance
- use of nosebar

Snap Link®

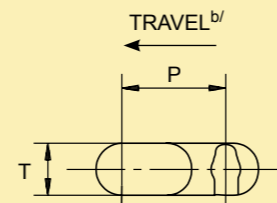
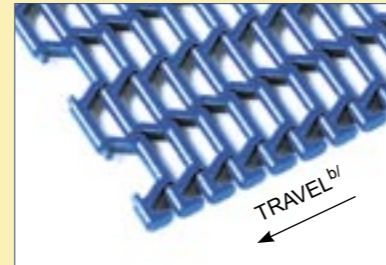
Pitch: 12.7 mm (0.50 in.)

Straight running

Surface opening: 40%

Backflex radius:
12.5 mm (0.49 in.)

Patent pending

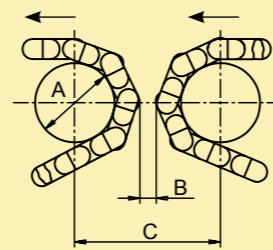


	mm	in.
P	12.7	0.50
T	6.4	0.25

^{b/} uni-chains recommends this travel direction. However, travel in both directions is possible.

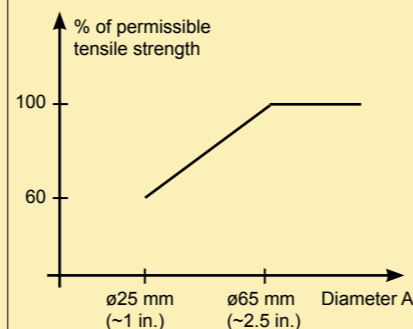
Nosebar

Min. dimensions



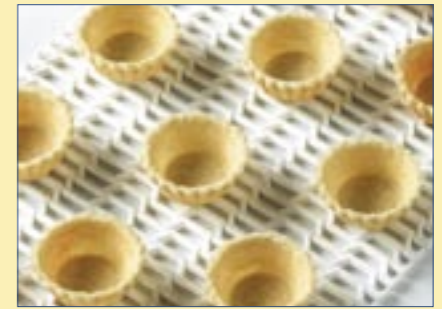
	mm	in.
A min.	25.0	0.98
B min.	5.0	0.20
C min.	46.0	1.81

Reduction of strengths



Standard Belt Widths

mm	in.	mm	in.	mm	in.	mm	in.
51	2.0	812	32.0	1573	61.9	2335	91.9
102	4.0	863	34.0	1624	63.9	2385	93.9
152	6.0	914	36.0	1675	65.9	2436	95.9
203	8.0	965	38.0	1726	68.0	2487	97.9
254	10.0	1015	40.0	1776	69.9	2538	99.9
305	12.0	1066	42.0	1827	71.9	2588	101.9
356	14.0	1117	44.0	1878	73.9	2639	103.9
406	16.0	1168	46.0	1929	75.9	2690	105.9
457	18.0	1218	48.0	1979	77.9	2741	107.9
508	20.0	1269	50.0	2030	79.9	2791	109.9
559	22.0	1320	52.0	2081	81.9	2842	111.9
609	24.0	1371	54.0	2132	83.9	2893	113.9
660	26.0	1421	55.9	2182	85.9	2944	115.9
711	28.0	1472	58.0	2233	87.9	2994	117.9
762	30.0	1523	60.0	2284	89.9	3045	119.9



Please note that the values in the table are max. values.

The dimensions are valid at +20°C (+68°F). Belt widths vary with temperature.

Please note that if special material is used, the width might differ from the widths shown in the table.

Belts wider than mentioned in the table can be assembled.

Standard Sprockets

No of teeth	pitch diameter		overall diameter		hub diameter		reference no.
	mm	in.	mm	in.	mm	in.	
8	33.2	1.31	34.0	1.34	25.0	0.98	8333MPNB08N
10	41.1	1.62	42.4	1.67	30.0	1.18	8333MPNB10N
14	57.1	2.25	59.0	2.32	45.0	1.77	8333MPNB14N
17	69.1	2.72	71.3	2.81	55.0	2.17	8333MPNB17N
19	77.2	3.04	79.5	3.13	65.0	2.56	8333MPNB19N
24	97.3	3.83	99.8	3.93	75.0	2.95	8333MPNB24N
28	113.4	4.46	116.1	4.57	75.0	2.95	8333MPNB28N
					96.0	3.78	8333MPNB28NBB*
36	145.7	5.74	148.5	5.85	75.0	2.95	8333MPNB36N
					120.0	4.72	8333MPNB36NBB*

No of teeth	round bore		max. square		bore + keyway	
	○		□		⊕	
	mm	in.	mm	in.	mm	in.
8	20.0	0.79	15.0	0.59	16.0	0.63
10	25.0	0.98	15.0	0.59	20.0	0.79
14	40.0	1.57	25.4	1.00	35.0	1.38
17	50.0	1.97	30.0	1.18	40.0	1.57
19	60.0	2.36	40.0	1.57	50.8	2.00
24	70.0	2.76	45.0	1.77	60.0	2.36
28	70.0	2.76	45.0	1.77	60.0	2.36
					90.0	3.54
36	70.0	2.76	45.0	1.77	60.0	2.36
					115.0	4.53

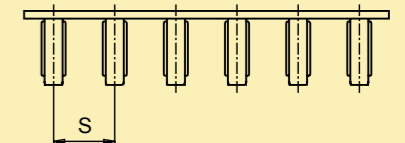
Standard material: Polyamide, natural.

Other sprocket sizes are available upon request.

Please contact uni-chains for further information.

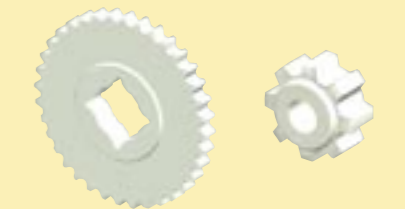
*BB = Big boss.

Recommended Sprocket Distance



	mm	in.
S	50.8	2.00

Strength reduced if fewer sprockets are used.



Width of sprockets: 20.0 mm (0.79 in.)
Tooth width: 12.0 mm (0.47 in.)