

**Pitch 12.7 mm (0.50 in.)**



**uni M-SNB M3 – strong small pitched belt**

The uni M-SNB M3 is developed for tight transfer, high speed and low profile conveyors in both food and non food industries. The 0.5 in. pitch, bi-directional belt ensures product stability even in nosebar and high speed applications thanks to the rounded bottom surface.

**uni M-SNB M2 is suitable for long conveyors with full cans and bottles.**

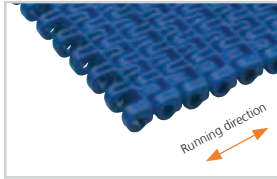
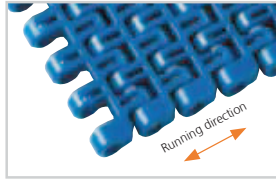
- Designed for heavy-duty applications.
- This belt has solid edges to withstand side wear.
- Special low contact area belt surface.

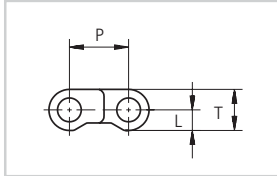
**The uni M-SNB M3 belt increases performance in the following industries/applications:**

- Bakery applications including general conveyance, cooling lines, metal detectors and packaging lines
- Meat applications including tray pack lines and metal detectors
- Seafood applications including sorting lines and weighing scales
- Beverage applications including depalletizers and accumulation tables
- Can manufacturing applications including palletizers, mass handling, transfer conveyors, discharge conveyors and accumulation tables

**Product features and operational benefits:**

- Less vibration in high speed and nosebar applications
- Wear resistance in high speed applications with tight transfers
- Strong bi-directional belt for longer conveyors
- Unique lockpin locking system for easy maintenance
- Unique sprocket engagement reducing pulsation
- Open (flat) top surface increasing product stability and reducing backline pressure

**Standard Selection**

**uni M-SNB M2**  
 Surface opening 14%

**uni M-SNB M3**  
 Surface opening 14%

**Dimensional Sketch**

**uni M-SNB M2 & M3**
**Dimensions**

	mm	in.
L	4.4	0.17
P	12.7	0.50
T	8.8	0.35

**Standard Materials and Colors**

Type	Standard materials and colors	Standard pin materials and colors
uni M-SNB M2	POM-D <b>B</b>	PA6.6 <b>D</b>
uni M-SNB M3	POM-D <b>B</b>	PA6.6 <b>D</b>
	POM-LF <b>BR</b>	PA6.6 <b>D</b>
	PP <b>W</b>	PA6.6 <b>N</b>
	PE <b>N</b>	PA6.6 <b>N</b>

Alternative pin materials and colors: See to the right.

- Straight running
- 12.7 mm (0.50 in.)
- ø5 mm (0.20 in.)
- Patented
- See page 8
- 20 mm (0.8 in.)
- See page 117
- See page 172
- 01 N** See page 12

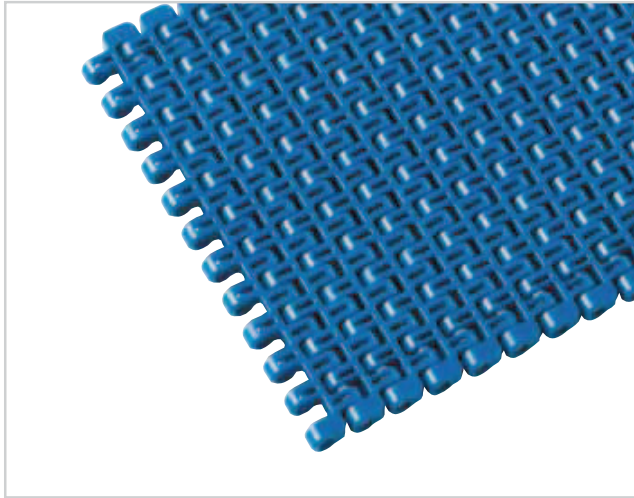
**Alternatives**

- PE **W**
- PA6.6 **B** **SS304** **PBT LG**
- PA6.6 **N**
- PP **B** **W**
- PBT **LG**

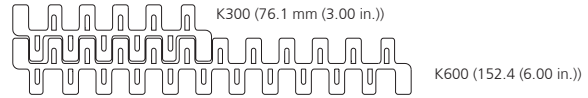
**Standard Bricklaid Belt Widths** (See next page for Single Link® widths)

mm	in.	mm	in.	mm	in.	mm	in.	mm	in.
76	3.0	685	27.0	1294	50.9	1902	74.9	2510	98.8
152	6.0	762	30.0	1370	53.9	1978	77.9	2586	101.8
228	9.0	837	33.0	1446	56.9	2054	80.9	2662	104.8
304	12.0	914	36.0	1522	59.9	2130	83.9	2738	107.8
381	15.0	990	39.0	1598	62.9	2206	86.9	2814	110.8
456	18.0	1066	42.0	1674	65.9	2282	89.8	2890	113.8
533	21.0	1142	45.0	1750	68.9	2358	92.8	2966	116.8
608	23.9	1218	48.0	1826	71.9	2434	95.8	3042	119.8

On above belt width values, the belt width tolerance on standard materials is +0/-0.4% at 23°C/73°F.

**uni M-SNB M3 Single Link®**


uni M-SNB M3 Single Link® is available in the following standard widths:



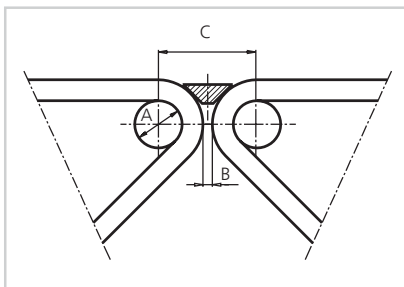
uni M-SNB M2 &amp; M3 Single Link® standard materials and colors see page 115.

**Belt Weights**

Belt material	POM-D   POM-LF				PP				PE			
	plastic		steel		plastic		steel		plastic		steel	
Pin material	kg/m <sup>2</sup>	lb/ft <sup>2</sup>	kg/m <sup>2</sup>	lb/ft <sup>2</sup>	kg/m <sup>2</sup>	lb/ft <sup>2</sup>	kg/m <sup>2</sup>	lb/ft <sup>2</sup>	kg/m <sup>2</sup>	lb/ft <sup>2</sup>	kg/m <sup>2</sup>	lb/ft <sup>2</sup>
uni M-SNB	6.3	1.29	8.6	1.76	4.1	0.84	5.6	1.15	4.4	0.90	5.9	1.21

**Permissible Tensile Strength**

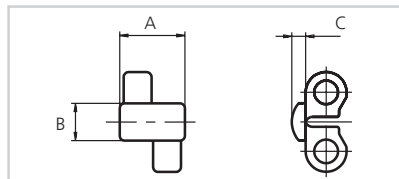
Belt material	POM-D   POM-LF		PP		PE	
	N/m	lbf/ft	N/m	lbf/ft	N/m	lbf/ft
uni M-SNB	15000	1028	7500	514	4500	308

**Nosebars**

**Min. Dimensions**

	mm	in.
A min.	20.0	0.79
B min.	4.0	0.16
C min.	41.6	1.64

**Standard Selection Accessories**


uni M-SNB M3 Rubber Inserts

**Dimensional Sketch**


uni M-SNB M3 Rubber Inserts

**Dimensions**

	mm	in.
A	14.0	0.55
B	8.0	0.31
C	3.0	0.12

**Standard Material and Color:**

01 N

Rubber inserts can be assembled in any belt surface upon customer request.

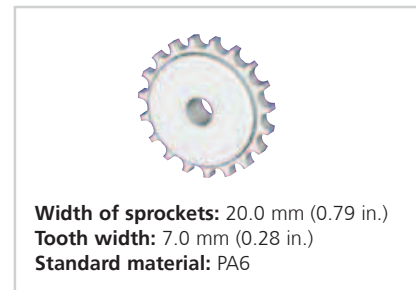
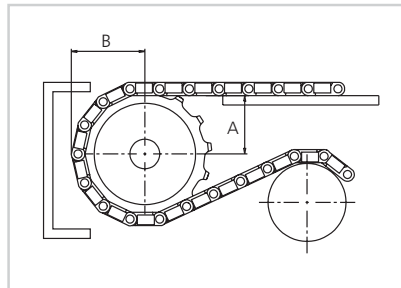
**Standard Sprockets**

No. of teeth	Pitch diameter		Overall diameter		Hub diameter		Bore		Reference no. plastic
	mm	in.	mm	in.	mm	in.	mm	in.	
10	41.1	1.62	41.5	1.63	28.0	1.10	ø10/18.0*	0.39/0.71*	223PA6MSNB210211N00
19	77.2	3.04	79.0	3.11	65.0	2.56	19.1/40.0*	0.75/1.57*	223PA6MSNB219211LG00
							sq 25.4	sq 1.00	223PA6MSNB219211N00I100S
							sq 38.1	sq 1.50	223PA6MSNB219211N00I150S
							sq 40.0	sq 1.57	223PA6MSNB219211N00M040S
28	113.4	4.46	116.2	4.57	65.0	2.56	ø19.1/40.0	0.75/1.57*	223PA6MSNB228211LG00
							sq 38.1	sq 1.50	223PA6MSNB228211N00I150S
							sq 40.0	sq 1.57	223PA6MSNB228211LG00M040S
							100.0	3.94	ø40.0/70.0
38	153.8	6.06	157.4	6.20	75.0	2.95	19.1/40.0*	0.75/1.57*	223PA6MSNB238211N00
							sq 38.1	sq 1.50	223PA6MSNB238211N00I150S
							sq 40.0	sq 1.57	223PA6MSNB238211N00M040S
							100.0	3.94	ø40.0/70.0*

\* Minimum/maximum round bore.

**Placement of Wearstrips and Sprockets**

No. of teeth	Minimum B-dimension		Wearstrip distance A	
	mm	in.	mm	in.
10	25.2	0.99	15.4	0.61
19	43.5	1.71	34.2	1.35
28	62.0	2.44	52.8	2.08
38	82.4	3.24	73.8	2.89



Other sprocket sizes are available upon request. Two-part sprockets are available upon request.

**Max. Load per Sprocket**

Belt material	POM-D   POM-LF		PP	
	N	lbf	N	lbf
uni M-SNB	1000	225	800	180