Global Sales Organization, www.unichains.com

Head Office, Denmark
uni-chains A/S
Hjulmagervej 21, DK-7100 Vejle
Tel: +45 75 72 31 00,
Fax: +45 75 72 33 48,
e-mail: admin@unichains.dk
www.unichains.com

Germany
uni-chains Deutschland GmbH
Postfach 2129, DE-48411 Rheine
Münsterstrasse 57a, DE-48431
Rheine
Tel: 05971-91437-0,
Fax: 05971-915475,
e-mail: admin@unichains.de

uni-chains A/S
Coombs Wood Business Park
Coombs Wood Way
Halesowen
West Midlands
B62 8BH
Tel: 0121-559-0377,
Fax: 0121-559-0373,
e-mail: admin@unichains.co.uk

Ireland
uni-chains Ireland Ltd.
12, The Park
Liffey Hall, Newbridge
Co. Kildare, Ireland
Tel: 00-353-87-2633401,
Fax: 00-353-45-437514,
e-mail: unichains@eircom.net

Italy
uni-chains Italia s.r.l.
Via Napoli, 10-10a
42100 Reggio Emilia
Tel: 0522 • 922470,
Fax: 0522 • 922508,
e-mail: unichains@unichains.it

Singapore
uni conveyor chains Asia Pte Ltd.
No. 6 Ubi Road 1
05-03 Wintech Centre
Singapore 408726
Tel: 67498513/4,
Fax: 67498515,
e-mail: unichains@pacific.net.sg

USA
uni-chains Manufacturing Inc.
500 Brentwood Drive,
Reading, PA 19611, USA
Tel: (610)-372-1800,
Tel: (800)-937-2864 (call free)
Fax: (610)-372-3590
e-mail: sales@unichains.com

©2005, uni-chains A/S 013562/1005

Argentina
011 4717-5151

Australia
Belts: Heat & Control Pty. Ltd. (07) 3877 6333
Chains: Renold Australia Pty. Ltd. (03) 9262 3333

Austria
(01) 292 1071

Belarus
017 280 45 78

Belgium
(09) 243 73 73

Brazil
(11) 6402-3022

Canada
(800)-937-2864 (call free)

Chile
026 963126

Colombia
4 262 03 23

Czech Republic
00420 272 706 052

Egypt
02 451 07 93

Estonia
06 684 400

Finland
89-852661

France
uni-chains FR N°Azur 0810442900
Faber (03) 24 27 03 29

Greece
(0210) 4111841

Hungary
13 20 64 44

Iceland
517-2220

India
080 2242588

Iran
021-8722237

Israel
03-9415150

Japan
066 561 2014

Latvia
07248036

Lithuania
(05) 239 25 25

Mexico
055 5341 8131

Netherlands
uni-chains NL 651 732 110
Morskate 074-255 36 36

New Zealand
Belts: Heat & Control Ltd. 09 274 4182
Chains: Renold New Zealand Ltd. 09 828 5018

Nigeria
(084) 483525

Norway
uni-chains NO 2220 2699

Poland
(022) 664 3887

Portugal
(02) 29478090

Romania
021-221 9640

Russia
Moscow branches:
Megadrive Ltd. 095 346-24-10
Polymer MK Ltd. 095 257-44-19

St. Peterburg branch:
Megadrive-Spb Ltd. 812 389-13-38

Slovakia
00420 272 706 052

South Africa
0027 21 593 3290

South Korea
Dongan-Ku Anyang City:
Woo Il Trading 031-479-5100

Seoul:
JC Systems Co. Ltd. 02-2062-0394
uni-metals Co. Ltd. 02 806 0330

Spain
(91) 507 28 38

Sweden
uni-chains SE (0)768-55 99 16
(0)42-212 480
Kedjeteknik 040-181 000

Switzerland
Plüss (01) 824 88 00
Renold (01) 824 84 84

Taiwan
02 22182201

Turkey
0212 657 89 46

UAE
04 299 4828

Ukraine
044 467-57-35

uni chains®

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

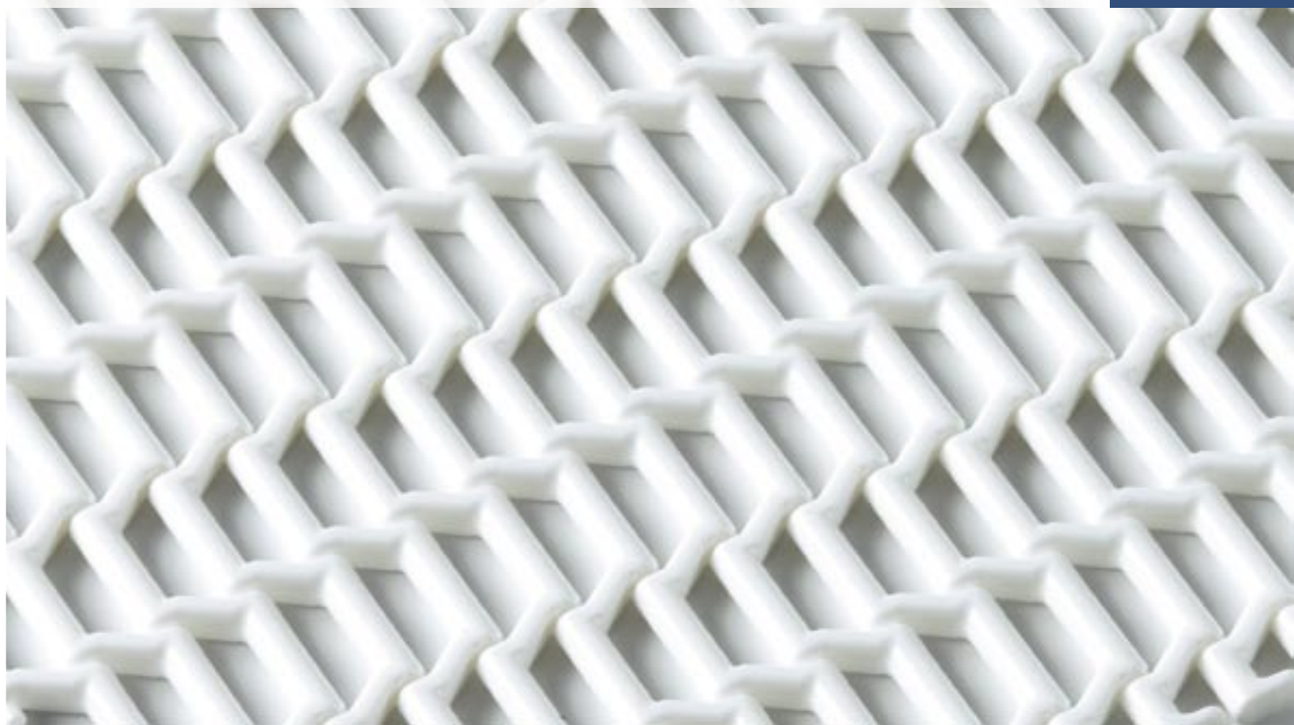
uni M-PNB M1 Snap Link®

New

Plastic Modular Belt with No Pins

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

Snap Link®



uni M-PNB M1

A new open-belt design with Snap Link® modules that simply click together for easy assembly and dissembly.

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

- Snap Link® reduces the number of components meaning fewer spare parts to stock, easier cleaning and low, constant belt weight per linear meter.
- 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 acetal polymer which contains low noise components, mainly used for the new "uni Snap Link" with no pins.

Belt Weights

Belt material	POM		PP	
uni M-PNB M1 Snap Link®	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®

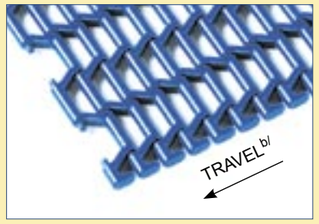
Pitch: 12.7 mm (0.50 in.)

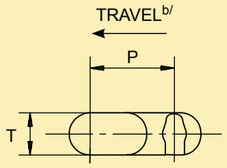
Straight running

Surface opening: 40%

Backflex radius:
12.5 mm (0.49 in.)

Patent pending



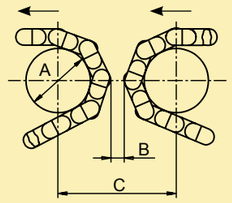


	mm	in.
P	12.7	0.50
T	6.4	0.25

[b/] uni-chains recommends this travel direction. However, travel in both directions is possible.

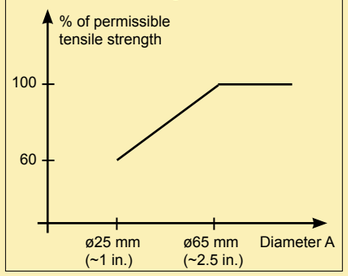
Nosebar

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

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	60.0	2.36	80.0	3.15*
36	70.0	2.76	45.0	1.77	60.0	2.36
	115.0	4.53	76.2	3.00	100.0	3.94*

Standard material: Polyamide, natural.
Other sprocket sizes are available upon request.
Please contact uni-chains for further information.
*BB = Big boss.

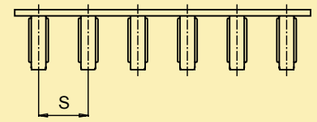
Please note that the values in the table are max. values.

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.

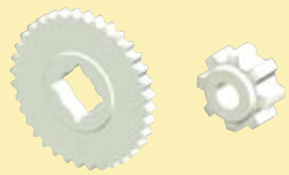
Belts wider than mentioned in the table can be assembled.

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.)