

# Global Sales Organization, [www.unichains.com](http://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](mailto:admin@unichains.dk)  
[www.unichains.com](http://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](mailto:admin@unichains.de)



**Great Britain**  
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](mailto: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](mailto: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](mailto: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](mailto:unichains@pacific.net.sg)



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



**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  
Ringball: (905) 826-1100



**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**  
 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**  
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**  
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**  
011-7479500



**South Korea**  
031-479-5100



**Spain**  
(91) 507 28 38



**Sweden**  
040-18 10 00



**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 XLB

- The strongest belt in the “uni-verse”



Also available as chain

- 2.5 inch pitch
- 1.18 inch thickness
- A bi-directional belt
- Impact resistant
- Extremely wear resistant
- The ultimate solution for heavy load conveyors



## The heavyweight champion

With the new unique and innovative belt – uni XLB, X-tra Loaded Belt - it is now possible to build a conveyor with a plastic modular belt which can move heavy products. Previously these products had to be transported in a different and less effective manner.

uni-chains has with uni XLB created the opportunity to build conveyors which earlier were impossible to build. With 2.5 inch pitch and a thickness of 1.18 inch uni XLB is an extremely strong product which in a width of 0.6 meters (24 inch) is able to transport a weight up to 24 tons. uni XLB is wear resistant and has a high impact resistance.

With the extremely strong uni XLB the limits have been altered for what is possible!



## Standard Materials

### POM-NL

NL = No Lubricant to ensure that no lubricant may effect the paintwork. Surface resistivity of POM-NL according to IEC 60093/ASTM D257:  $1 \times 10^{14}$  Ohm x cm.

### POM-NLAS

POM-NLAS contains no lubricant and contains additives reducing the electrical resistance, thereby helping to dissipate static electricity. Surface resistivity of POM-NLAS according to IEC 60093/ASTM D257:  $1 \times 10^{11}$  Ohm x cm.

Standard pin material for POM-NL and POM-NLAS belts:

SS304

PA6.6

## Belt Weights

Belt material	POM			
	PA6.6		SS	
Pin material	kg/m <sup>2</sup>	lb/ft <sup>2</sup>	kg/m <sup>2</sup>	lb/ft <sup>2</sup>
uni XLB	31.0	6.35	40.8	8.36

Pitch: 63.5 mm (2.5 inch)

Pin diameter:  
10 mm (0.39 inch)

Straight running

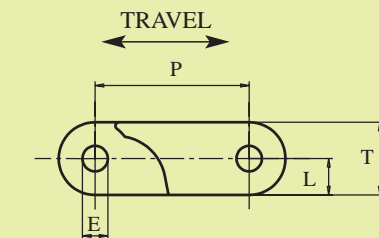
Backflex radius:  
100 mm (3.94 inch)

Locking system: Endlock



## Industries and applications

Automotive  
Skid conveyors  
Manrider  
Palletizing  
Carwash  
Paper and cardboard industry



	mm	inch
E	10.5	0.41
L	15.0	0.59
P	63.5	2.50
T	30.0	1.18



## Standard Belt Widths

mm	inch	mm	inch	mm	inch	mm	inch
100	3.9	896	35.3	1693	66.7	2490	98.0
200	7.9	996	39.2	1793	70.6	2590	102.0
299	11.8	1096	43.1	1892	74.5	2689	105.9
398	15.7	1195	47.1	1992	78.4	2789	109.8
498	19.6	1295	51.0	2092	82.3	2888	113.7
598	23.5	1394	54.9	2191	86.3	2988	117.6
697	27.4	1494	58.8	2291	90.2	3088	121.6
797	31.4	1594	62.7	2390	94.1	-	-

## Permissible Tensile Strength

Belt material	POM			
	PA6.6		SS	
Pin material	N/m	lb/ft	N/m	lb/ft
uni XLB	90000	6210	100000	6900

The values in the tables are for belts at +20°C (+68°F). Please contact uni-chains for data at other temperatures.

## Max. Load per Sprocket

POM belt	
N	lb
12000	2700

## Standard Sprockets

No. of teeth	pitch diameter		overall diameter		hub diameter		bore		reference no. plastic
	mm	inch	mm	inch	mm	inch	mm	inch	
10	205.5	8.09	202.7	7.98	120.0	4.72	sq 38.1	sq 1.50	7333XLB10PN15SQ
							sq 40.0	sq 1.57	7333XLB10PN40SQ
							sq 50.8	sq 2.00	7333XLB10PN20SQ
							sq 60.0	sq 2.36	7333XLB10PN60SQ
							sq 63.5	sq 2.50	7333XLB10PN25SQ
20	405.9	15.98	407.1	16.02	320.0	12.60	sq 38.1	sq 1.50	7333XLB20PN15SQ
							sq 40.0	sq 1.57	7333XLB20PN40SQ
							sq 50.8	sq 2.00	7333XLB20PN20SQ
							sq 60.0	sq 2.36	7333XLB20PN60SQ
							sq 63.5	sq 2.50	7333XLB20PN25SQ

sq = Square bore.

Standard material: Polyamide.

Other sprocket sizes are available upon request.

Please contact uni-chains for further information.

Width of sprockets: 33.0 mm (1.30 inch)  
Tooth width: 16.0 mm (0.63 inch)



Bi-directional sprocket

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.

