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uni XLB

- The strongest belt in the “uni-verse”

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

Also available as chain

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. Earlier 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 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-D

Standard pin materials: SS pins

Belt Weights

Belt material	POM	
Pin material	SS	
	kg/m^2	lb/ft^2
uni XLB	40.8	8.36

Pitch: 63.5 mm (2.5 inch)

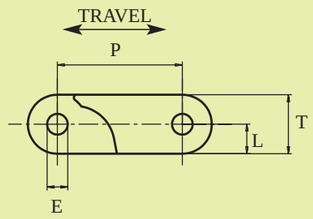
Pin diameter:
10 mm (0.39 inch)

Straight running

Backflex radius:
100 mm (3.94 inch)

Locking system: Endlock

Industries and applications
Automative
Skid conveyors
Manrider
Palletizing
Carwash
Paper and cardboard industry



	mm	inch
E	10.5	0.41
L	15.0	0.6
P	63.5	2.5
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-D	
Pin material	SS	
	N/m	lb/ft
uni XLB	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

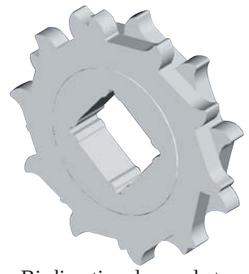
sq = Square bore.

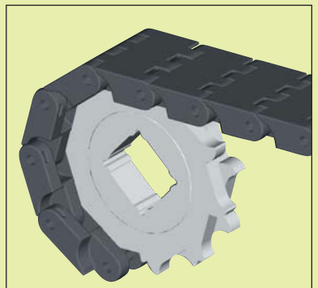
Standard material: Polyamide.

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.