

Pitch 63.5 mm (2.50 in.)



uni XLB – the strongest belt in the “uni-verse”

uni XLB 2.5 in. pitch, straight running belt was designed for heavy duty conveyors and to replace steel slat top chains, drag chains and other technologies being used for high wear or heavy duty applications.

The uni XLB (Closed Top, Rough Top and V-Shape) belts have increased performance in the following industries/applications:

- Automotive applications including skid conveyors, manrider belts, car conveyors, leak tests
- Carwash applications including carwash, interior detailing areas
- Material handling applications including pallet handling, moving large paper rolls
- Meat (beef & pork) applications including shackle tables, gam tables

Product features and operational benefits:

- No lubrication required
- Reduced horsepower due to low friction materials
- Reduced downtime due to easy maintenance
- Reduced noise level
- Extremely wear and impact resistant
- Unique sprocket engagement allows long conveyors with reduced pulsation
- Rough top surface reduces slippage and allows safe movements

Standard Selection



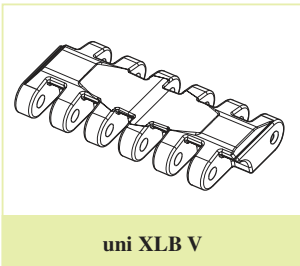
uni XLB C



uni XLB C Rough



uni XLB 15% Rough



uni XLB V

Dimensions

	mm	in.		mm	in.
E	10.5	0.41	S	1.5	0.06
L	15.0	0.59	T	30.0	1.18
P	63.5	2.50	V	4.0	0.16



Straight running



63.5 mm (2.50 in.)



Patent Pending



See page 7 and 8



100 mm (3.9 in.)



See page 102

Alternative

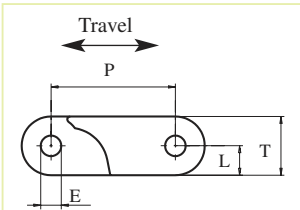


SS304

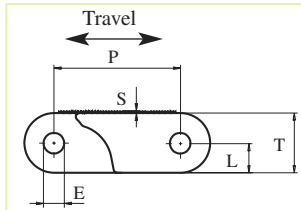
PA6.6

N

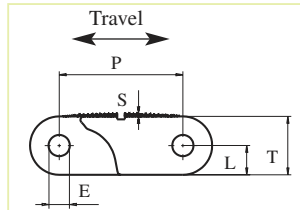
Dimensional Sketches



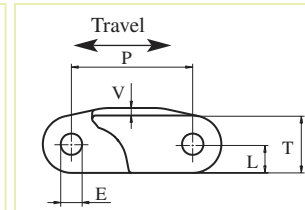
uni XLB C



uni XLB C Rough



uni XLB 15% Rough



uni XLB V

Standard Materials and Colors

Type	Standard materials and colors	Pins		Locks	
		Materials and colors		Materials and colors	
uni XLB C	POM-NLAS K	PA6.6	N	PP	D
	POM-NL K	PA6.6	N	PP	D
uni XLB C Rough	POM-NLAS K	PA6.6	N	PP	D
uni XLB 15% Rough	POM-NLAS K	PA6.6	N	PP	D
uni XLB V	POM-D K	SS304		PP	D

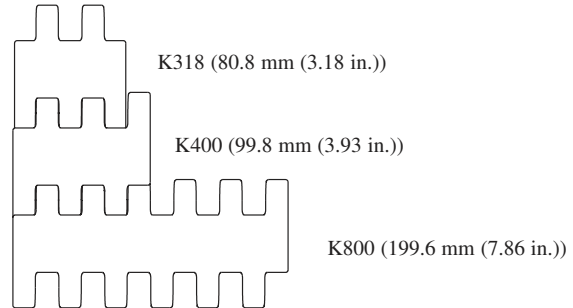
Standard Bricklaid Belt Widths (See next page for Single Link® widths)

mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.
100	3.9	498	19.6	896	35.3	1295	51.0	1693	66.7	2092	82.3	2490	98.0	2888	113.7
200	7.9	598	23.5	996	39.2	1394	54.9	1793	70.6	2191	86.3	2590	102.0	2988	117.6
299	11.8	697	27.4	1096	43.1	1494	58.8	1892	74.5	2291	90.2	2689	105.9	3087	121.5
398	15.7	797	31.4	1195	47.1	1594	62.7	1992	78.4	2390	94.1	2789	109.8	3187	125.5

uni XLB Single Link®



uni XLB is available as Single Link® in the following standard widths:



uni XLB Single Link® Belt Widths

Belt type and widths	K318 80.8 mm (3.18 in.)	K400 99.8 mm (3.93 in.)	K800 199.6 mm (7.86 in.)
uni XLB	SLO	X	X
uni XLB C Rough		X	X
uni XLB 15% Rough		X	X
uni XLB V-type			X

SLO = Single Link only

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

Belt Weights

Belt material	POM			
	PA6.6		SS	
Pin material	kg/m ²	lb/ft ²	kg/m ²	lb/ft ²
uni XLB	31.0	6.35	40.8	8.36
uni XLB V-Type	33.9	6.94	42.3	8.66

Standard Bi-directional Sprockets for uni XLB

No. of teeth	Pitch diameter		Overall diameter		Hub diameter		Bore		Reference no. plastic
	mm	in.	mm	in.	mm	in.	mm	in.	
10	205.5	8.09	202.6	7.98	120.0	4.72	ø18.0/40.0*	ø0.71/1.57*	7333XLB10NR2
							sq 38.1	sq 1.50	7333XLB10NR215INSQ
							sq 40.0	sq 1.57	7333XLB10NR240MMSQ
							ø18.0/40.0*	ø0.71/1.57*	7333XLB10NBBR2
							sq 63.5	sq 2.50	7333XLB10NBBR225INSQ
							sq 50.8	sq 2.00	7333XLB10NBBR220INSQ
							sq 60.0	sq 2.36	7333XLB10NBBR260MMSQ
							sq 63.5	sq 2.50	7333XLB10PNR225INSQ
							sq 40.0	sq 1.57	7333XLB10PNR240MMSQ
							sq 60.0	sq 2.36	7333XLB10PNR260MMSQ
13	265.3	10.44	264.4	10.41	-	-	ø18.0/40.0*	ø0.71/1.57*	7333XLB13PNR2
15	305.4	12.02	305.9	12.04	-	-	ø18.0/40.0*	ø0.71/1.57*	7333XLB15PNR2
							sq 63.5	sq 2.50	7333XLB15PNR225INSQ
20	405.9	15.98	407.1	16.03	-	-	sq 38.1	sq 1.50	7333XLB20PNR215INSQ
							sq 50.8	sq 2.00	7333XLB20PNR220INSQ
							sq 63.5	sq 2.50	7333XLB20PNR225INSQ
							sq 40.0	sq 1.57	7333XLB20PNR240MMSQ
							sq 60.0	sq 2.36	7333XLB20PNR260MMSQ

* Minimum/maximum round bore.



Standard Material and Color

PA6 N

Max. Load per Sprocket

	N	lb
uni XLB	12000	2700

Width of sprockets: 33.0 mm (1.30 in.)

Tooth width: 16.0 mm (0.63 in.)

Other sprocket sizes are available upon request. Two-part sprockets available upon request. Please contact uni-chains® for further information.

Placement of Wearstrips and Sprockets

No. of teeth	Minimum B-dimension		Wearstrip distance A	
	mm	in.	mm	in.
10	117.7	4.63	82.7	3.26
13	147.7	5.81	113.8	4.48
15	168.0	6.61	134.7	5.30
20	218.0	8.58	185.5	7.30

