UK

NEW

Plastic Modular Belt Selection

> uni BLB

Pitch 50.8 mm (2.00 in.)

uni BLB – the perfect belt for cooking, steaming and blanching

The uni BLB design combines plastic with stainless steel. A unique belt surface ensures that the conveyed products are only in contact with plastic without abandoning the advantages of stainless steel. The plastic and stainless steel combination thus prevents belt elongation and strength reduction at water boiling temperatures. This makes uni BLB ideal for handling all sorts of sensitive products like vegetables, fruits and pasta. With the special surface openings, even rice can be handled by uni BLB. This makes uni BLB ideal for handling all sorts of sensitive products like vegetables, fruits and pasta. With the unique surface openings even rice can be handled on uni BLB.

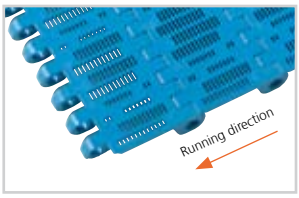
The uni BLB belt increases performance in the following industries/applications:

- Blanching of vegetables & rice
- Cooking or precooking of fresh pasta
- Steaming of rice & pasta
- Cooking and cooling of fish & shellfish

Product features and operational benefits:

- Improved product quality as the belt surface ensures minimum product damage and easy release from the belt
- No marking on the products from the belt surface
- No product contamination or damage due to contact with stainless steel
- Long life and low maintenance costs
- Simplified and reliable equipment design as belt elongation due to temperature is reduced by 90% compared to all plastic belts
- Higher product yield due to hygienic design and less cleaning time
- Increased equipment utilisation as various products can be handled on the same belt. Making the equipment less depending on short harvesting seasons

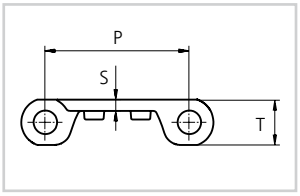
Standard Selection



uni BLB
Surface opening 18%, Top

uni BLB
with reinforcement links, bottom

Dimensional Sketch



uni BLB

Dimensions

	mm	in.
P	50.8	2.00
S	4.0	0.16
T	16.0	0.63

Straight running

50.8 mm (2.00 in.)

ø8.0 mm (0.31 in.)

Patent pending

See Belt catalog

65 mm (2.6 in.)
Side guards: 200 mm (7.9 in.)

See page 5

See Belt catalog

Alternatives

PP W

Accessories

See page 6

SS316

Standard Materials and Colors

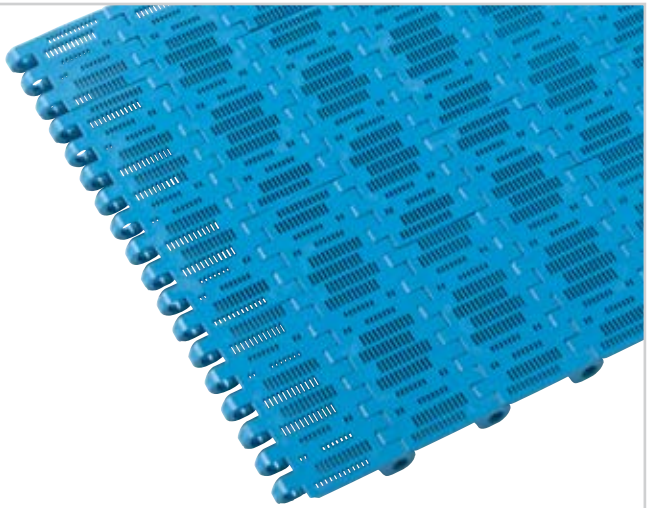
Type	Standard materials and colors	Standard pin materials and colors	Standard lock materials and colors
uni BLB	**PPHW** LB	SS304	**PPHW** LB
uni BLB with side guards	**PPHW** LB	SS304	**PPHW** LB

Standard Bricklayed Belt Widths

mm	in.	mm	in.	mm	in.	mm	in.
152	6.0	507	20.0	1167	45.9	1623	63.9
254	10.0	558	22.0	1268	49.9	1775	69.9
305	12.0	609	24.0	1369	53.9	1927	75.9
355	14.0	761	30.0	1454	57.2	1979	77.9
406	16.0	964	38.0	1504	59.2	2029	79.9
457	18.0	1065	41.9	1572	61.9	2181	85.9

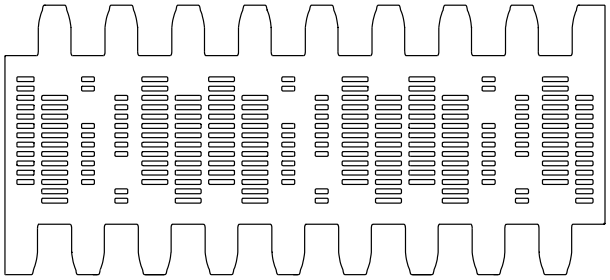
On above belt width values, the belt width tolerance on standard materials is +0/-0.4% at 23°C/73°F.

uni BLB Single Link®



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

K600 (152.2 mm (5.99 in.))



Belt Weights

Belt material	PPHW		PPHW	
Pin material	SS		PP	
	kg/m²	lb/ft²	kg/m²	lb/ft²
uni BLB with reinforcement	12.7	2.60	-	-
uni BLB without reinforcement	11.7	2.40	4.8	0.98

Max. Permissible Load

Belt material	PPHW		PPHW	
Pin material	SS		PP	
	N/row	lbf/row	N/m	lbf/ft
uni BLB with reinforcement*	2500	562	-	-
uni BLB without reinforcement	-	-	3300	226

** Load capacity per row of reinforcement links in the belt. Maximum 19 rows per metre belt width.*
Example: If seven rows are installed the max. permissible load of the belt is 7 x 2500 N(562 lbf) = 17500 N(3934 lbf).

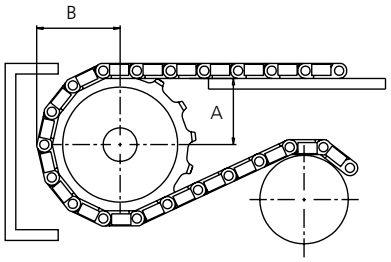
Standard Sprockets

No. of teeth	Pitch diameter		Overall diameter		Hub diameter		Bore		Reference no. plastic
	mm	in.	mm	in.	mm	in.	mm	in.	
6	101.6	4.00	99.5	3.92	65.0	2.56	ø18.0/40.0*	ø0.71/1.57*	183PA6MPBH06111N00
							sq 38.1	sq 1.50	183PA6MPBH06111N00I150S
							sq 40.0	sq 1.57	183PA6MPBH06111LG00M040S
8	132.8	5.23	132.9	5.23	65.0	2.56	ø18.0/40.0*	ø0.71/1.57*	183PA6MPBH08111LG00
							sq 38.1	sq 1.50	183PA6MPBH08111LG00I150S
							sq 40.0	sq 1.57	183PA6MPBH08111N00M040S
					100.0	3.94	sq 50.8	sq 2.00	183PA6MPBH08111N00I200S
10	164.4	6.47	166.3	6.55	65.0	2.56	ø18.0/40.0*	ø0.71/1.57*	183PA6MPBH10111N00
							sq 38.1	sq 1.50	183PA6MPBH10111N00I150S
							sq 40.0	sq 1.57	183PA6MPBH10111LG00M040S
					120.0	4.72	ø40.0/70.0*	ø1.57/2.76*	183PA6MPBH10111LG01
							sq 50.8	sq 2.00	183PA6MPBH10111N00I200S
							sq 63.5	sq 2.50	183PA6MPBH10111N00I250S
							sq 60.0	sq 2.36	183PA6MPBH10111LG00M060S
12	196.3	7.73	198.6	7.82	65.0	2.56	ø18.0/40.0*	ø0.71/1.57*	183PA6MPBH12111LG02
							sq 38.1	sq 1.50	183PA6MPBH12111N00I150S
							sq 40.0	sq 1.57	183PA6MPBH12111N00M040S
					120.0	4.72	ø40.0/70.0*	1.57/2.76*	183PA6MPBH12111N01
							sq 50.8	sq 2.00	183PA6MPBH12111N00I200S
							sq 60.0	sq 2.36	183PA6MPBH12111N00M060S
16	260.4	10.25	263.8	10.04	65.0	2.56	ø18.0/40.0*	ø0.71/1.57*	183PA6MPBH16111N00
					150.0	5.91	ø40.0/70.0*	1.57/2.76*	183PA6MPBH16111N01

** Minimum/maximum round bore.*

Placement of Wearstrips and Sprockets

No. of teeth	Minimum B-dimension		Wearstrip distance A	
	mm	in.	mm	in.
6	60.9	2.40	36.2	1.43
8	76.8	3.02	53.6	2.11
10	92.8	3.65	70.5	2.78
12	108.8	4.28	87.2	3.43
16	141.1	5.56	120.2	4.73



Width of sprockets: 42.3 mm (1.67 in.)
Tooth width: 9.5 mm (0.37 in.)
Standard material: PA6

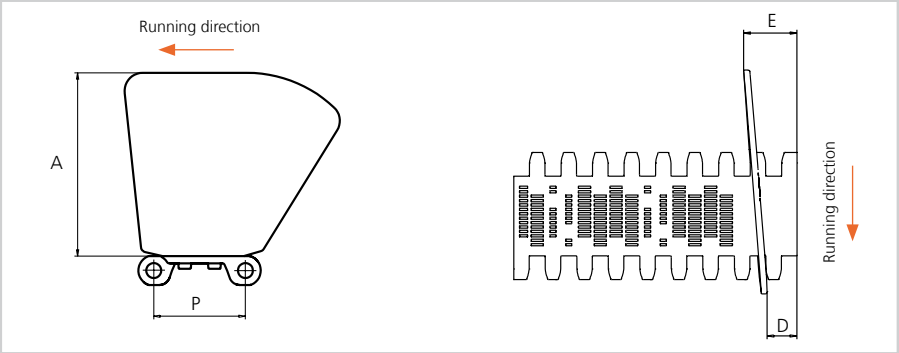
Other sprocket sizes are available upon request. Two-part sprockets are available upon request.
Please note, if travel is in both directions, an extra set of sprockets is required. Alternatively, use bi-directional options.

Max. Load per Sprocket

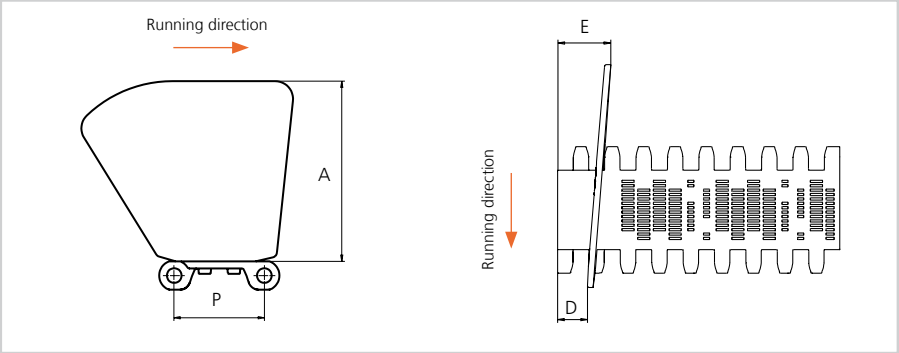
Belt material	POM	
	N	lbf
uni MPB with snub roller	2000	450
uni MPB without snub roller	1250	281

Accessories | Side Guard

Dimensional Sketches



uni BLB Side Guard left



uni BLB Side Guard right

Dimensions

	mm	in.
A	101.6	4.00
D	16.0	0.63
E	28.5	1.12
P	50.8	2.00

Standard Material and Color

PPHW LB

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