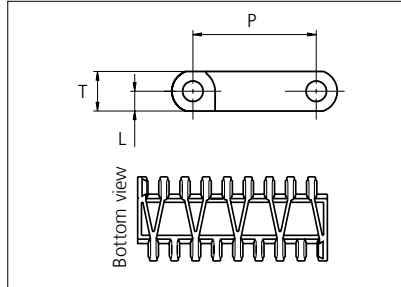
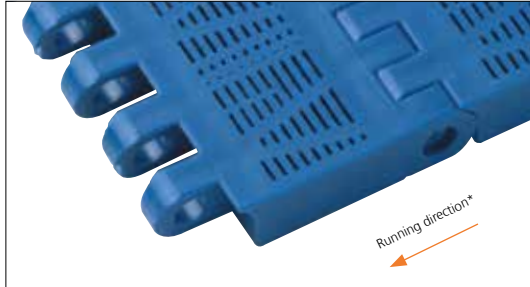




Plastic Modular Belt

Serie **uni OPB 4V** Type **23% Fine-meshed**



Straight running belt
Nominal pitch: 50.0 mm (1.97 in)
Surface type: Flat
Surface opening: 23%
Backflex radius: 75.0 mm (3.00 in)
Pin diameter: 8.0 mm (1.97 in)

*uni-chains recommends this travel direction.
However, travel in both directions is possible.

Belt material & color	PP-HW B	PP W		mm	in		mm	in
Pin and lock material & color	 PP-HW LB	 PP W	P (Nominal)	50.0	1.97	T	16.0	0.63
			L	8.0	0.31	-	-	-

Non standard material and color: See uni Material and Color Overview.

Alternative pin and lock materials: Trilock: PP-HW **LB** Endlock: PP **W** **G** **B** and PE **W** **B** Lockpin: PE **W** PA6.6 **N** **B** and PBT **LG**
 Pin: PP **W** PE **W** PBT **LG** SS304 and SS316

Belt width		Permissible tensile force (Belt/pin material)				Belt weight (Belt/pin material)				*Min. No. drive sprocket per shaft	Number of wear strips (Min. No.)	
		PP-HW/PP-HW		PP/PP-HW		PP-HW/PP-HW		PP/PP-HW			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft			
118	4.6	1296	291	1296	291	0.8	0.54	0.8	0.54	2	2	2
153	6.0	1683	378	1683	378	1.0	0.70	1.0	0.70	2	2	2
186	7.3	2046	460	2046	460	1.3	0.85	1.3	0.85	2	2	2
305	12.0	3355	754	3355	754	2.1	1.39	2.1	1.39	3	3	2
457	18.0	5027	1130	5027	1130	3.1	2.09	3.1	2.09	4	4	2
609	24.0	6699	1506	6699	1506	4.1	2.78	4.1	2.78	5	5	3
761	30.0	8371	1882	8371	1882	5.2	3.48	5.2	3.48	6	6	3
913	35.9	10043	2258	10043	2258	6.2	4.17	6.2	4.17	7	7	4
1065	41.9	11715	2634	11715	2634	7.2	4.87	7.2	4.87	8	8	4
1218	48.0	13398	3012	13398	3012	8.3	5.57	8.3	5.57	9	9	5
1370	53.9	15070	3388	15070	3388	9.3	6.26	9.3	6.26	10	10	5
1522	59.9	16742	3764	16742	3764	10.3	6.96	10.3	6.96	11	11	6
1674	65.9	18414	4139	18414	4139	11.4	7.65	11.4	7.65	12	12	6

Additional standard belt widths are available in steps of 151.5 mm (5.96 in). Additional non-standard belt widths are available in steps of 33.7 mm (1.33 in).

2587	101.9	28457	6397	28457	6397	17.6	11.82	17.6	11.82	18	18	9
------	-------	-------	------	-------	------	------	-------	------	-------	----	----	---

Additional standard belt widths are available in steps of 151.5 mm (5.96 in). Additional non-standard belt widths are available in steps of 33.7 mm (1.33 in).

2891	113.8	31801	7149	31801	7149	19.7	13.21	19.7	13.21	20	20	10
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General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.

Belt widths in PP-HW is 0.4 % wider than the belt widths in the table above.

*Max. Load per Drive Sprocket. Belt material: POM 2500 N (562 lbf), PP 1200 N (270 lbf), PE 500 N (270 lbf)

**Max. Spacing between wear strips, Carry: 152.0 mm (6.00 in); Return: 304.0 mm (12.00 in)

= Single Link

Accessories

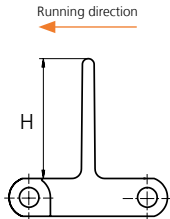
Flight



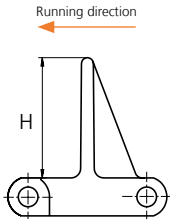
Non Stick



Non Stick/Support Ribs



Non Stick



Non Stick/Support Ribs

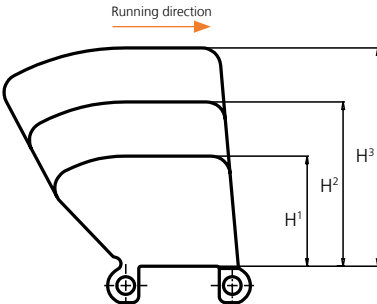
Type	Flight material & color	H		Link size	Width		Indent	
		mm	in		mm	in	mm	in
Non Stick	PP-HW B PP-I W	50.8	2.00	K600	151.0	5.94	0.0	0.00
Non Stick/		76.2	3.00					
Support Ribs		101.6	4.00					

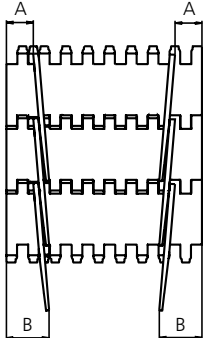
Non Standard material and color: See uni Material and Color Overview.

Accessories

Side Guard







Type	Material & color	H ¹		H ²		H ³		A*		B*	
		mm	in	mm	in	mm	in	mm	in	mm	in
Closed	PP-HW B PP-I W	51.8	2.04	77.2	3.04	102.6	4.04	21.0	0.83	34.0	1.34

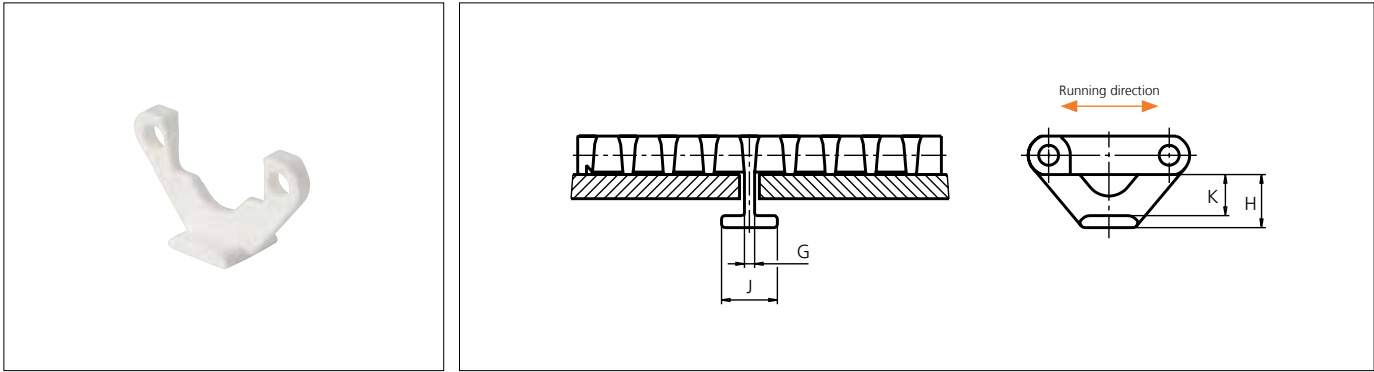
* Min. indent Increment : 8.4 mm (0.33 in).

Note: Backflex radius when side guards are used: 200.0 mm (7.90 in)

Non Standard material and color: See uni Material and Color Overview.

Accessories

Tab/NON STANDARD

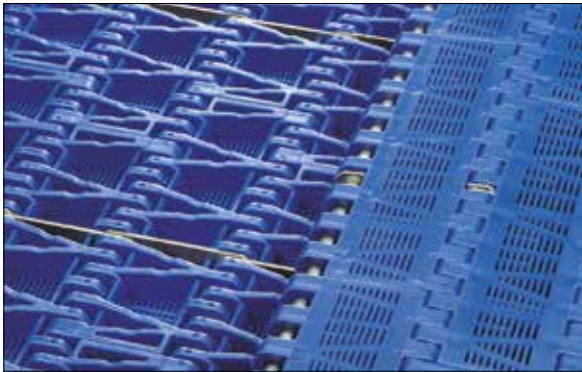


Type	Belt material & color	G		H		J		K	
		mm	in	mm	in	mm	in	mm	in
Bottom Hold Down	POM-D	4.2	0.17	22.0	0.87	23.2	0.92	17.0	0.67
	POM-LF								
	PP								

Non Standard material and color: See uni Material and Color Overview.

Accessories

Reinforcement Link



The use of uni-chains belts with the SS reinforcement /pitch control links in blanchers, cookers and other high temperature applications will reduce belt elongation due to temperature by more than 90%. This will simplify the belt take-up system and reduce maintenance.

uni-chains recommends one reinforcement link per K600 module.

Type	Material & color	N/row	Lbf/row
Steel Link	SS316	2500	562

Note: Reinforcement links require the use of SS pins.
Non Standard material and color: See uni Material and Color Overview.

Sprocket

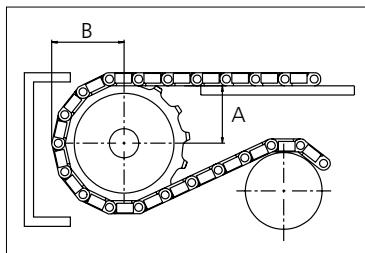
No of teeth	Bore size								Overall diameter		Pitch-diameter		Hub-diameter		Dimension A		Dimension B		Single row/Two way	LG	
	Pilot Bore	in	1.00	1.18	1.25	1.50	1.57	2.50												PA6	
		mm	25.4	30.0	31.8	38.1	40.0	63.5	mm	in	mm	in	mm	in	mm	in	Molded	Machined			
Z06							 		94.5	3.72	100.3	3.95	65	2.56	35.5	1.40	58.6	2.31			
Z08							 		129	5.08	131.1	5.16	65	2.56	52.6	2.07	74	2.91			
Z10							 		160.1	6.30	162.4	6.39	65	2.56	69.2	2.72	89.7	3.53			
Z12							 		191.5	7.54	193.9	7.63	65	2.56	85.7	3.37	105.5	4.15			
Z13							 		207.3	8.16	209.7	8.26	72	2.83	93.8	3.69	113.4	4.46			
Z13									207.3	8.16	209.7	8.26	150	5.91	93.8	3.69	113.4	4.46			
Z16							 		254.8	10.03	257.3	10.13	200	7.87	118.2	4.65	137.1	5.40			

■ Molded sprocket

● Molded sprocket

■ Machined sprocket

● Machined sprocket



Non standard material and color: See uni Material and Color Overview.

Other sprocket sizes are available upon request.

Two-part sprocket are available upon request.

Other bore sizes are available upon request

uni Retainer Rings: See uni Retainer Ring data sheet

Width of tooth = 11.0 mm (0.43 in)

Width of sprocket = 42.3 mm (1.67 in)

Max load per sprocket shown does not take bore size into account.

Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni OPB.

For more detailed sprocket information. contact Customer Service.

uni OPB 4V 23% Fine Meshed /2019.09.11



Conveyor Belts



Seamless Belts



Modular Belts



Timing Belts



Transmission Belts



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