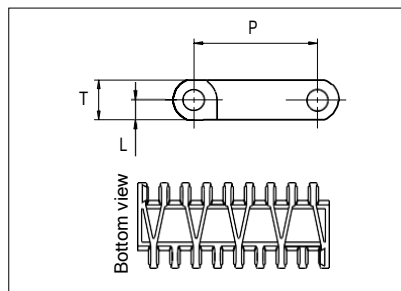




Plastic Modular Belt

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			
	Pin and lock material & color	 PP-HW LB	 PP W	P (Nominal)	50.0	1.97	T	16.0
			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
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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

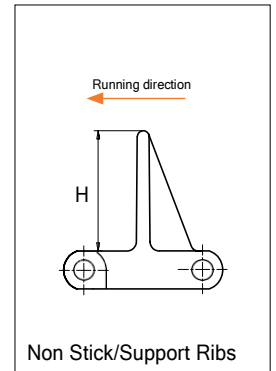
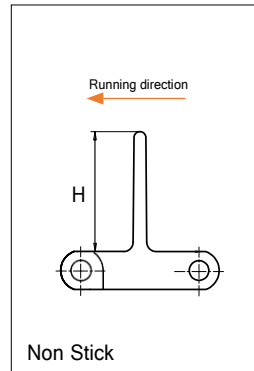


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Accessories

Flight

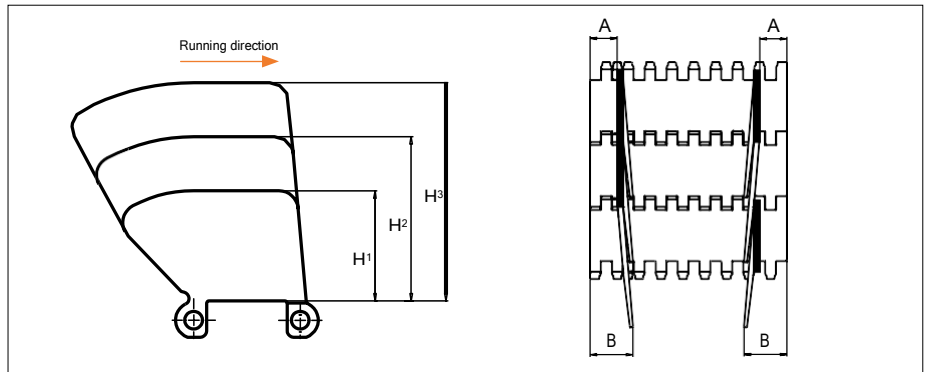


Type	Flight material & color	H		Link size	Width		Indent	
		mm	in		mm	in	mm	in
Non Stick	PP-HW B PP-I W	50.8	2.00	K600	151.0	5.94	0.0	0.00
Non Stick/ Support Ribs		76.2	3.00					
		101.6	4.00					

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.

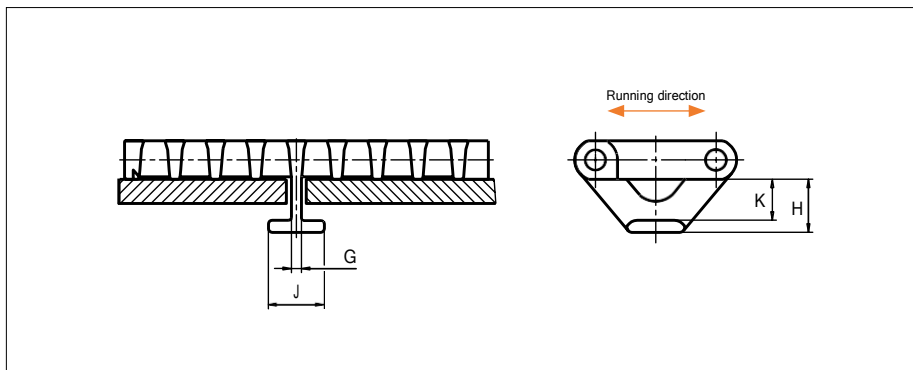


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Accessories

Tab/NON STANDARD

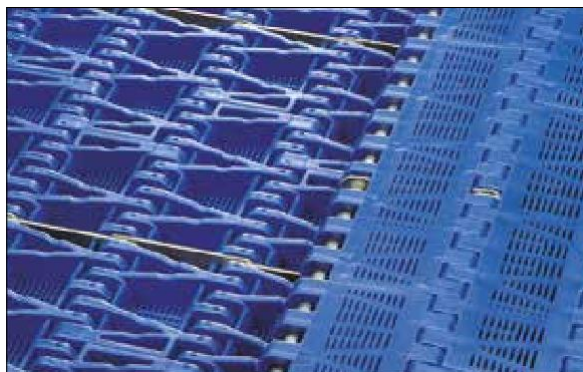


Type	Belt material & color	G		H		J		K	
		mm	in	mm	in	mm	in	mm	in
Bottom Hold Down	POM-D N	4.2	0.17	22.0	0.87	23.2	0.92	17.0	0.67
	POM-LF B								
	PP W								

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.



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Sprocket

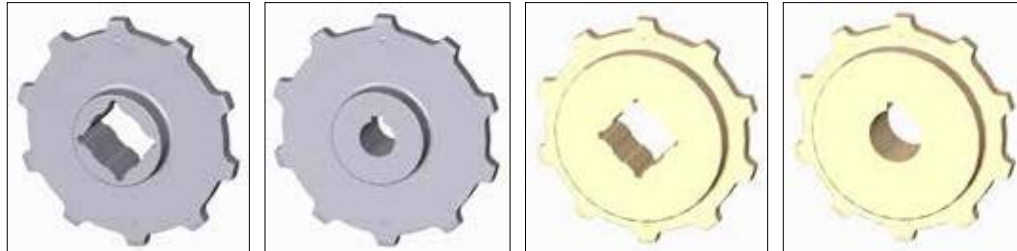
No of teeth	Bore size							Overall diameter		Pitch-diameter		Hub-diameter		Dimension A		Dimension B		Single row/Two way	Molded	Machined	PA6 N
	Pilot Bore	in	1.00	1.18	1.25	1.50	1.57														
	mm	25.4	30.0	31.8	38.1	40.0	63.5	mm	in	mm	in	mm	in	mm	in	mm	in				
Z06	✓		●	●	●	■	■	94.5	3.72	100.3	3.95	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

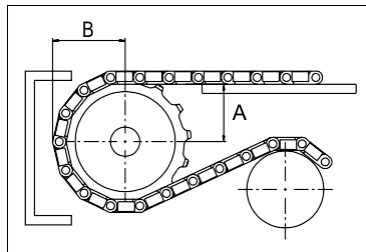
● Molded sprocket

■ 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.

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