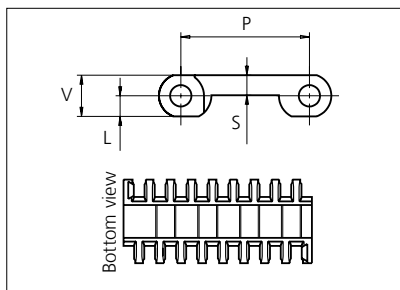


Plastic Modular Belt

Series **uni OPB 8** Type **C**



Straight running belt
 Nominal pitch: 50.0 mm (1.97 in)
 Surface type: Flat
 Surface opening: Closed
 Backflex radius: 75.0 mm (3.00 in)
 Pin diameter: ø8 mm (1.97 in)

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

Recommended belt material & color	POM-D W		mm	in		mm	in
Recommended pin and lock material & color	PP W	P (Nominal)	50.0	1.97	V	16.0	0.63
		L	8.0	0.31	S	7.8	0.31

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

Alternative materials: Belt: POM-LF, POM-SLF, PP, PE, PA6.6 and PA6.6H

Rodlock: PP **W**

Endlock: PP **W** **G** **B** and PE **W** **B**

Lockpin: PE **W** PA6.6 **N** PP **W**

Pin: PP **W** PE **W** 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.)	
		POM-D/PA6.6		PP/PA6.6		PE/PA6.6		POM-D/PA6.6		PP/PA6.6		PE/PA6.6			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft	kg/m	lb/ft			
152	6.0	3344	752	1672	376	1003	226	1.7	1.14	1.1	0.77	1.2	0.83	2	2	2
303	11.9	6666	1499	3333	749	2000	450	3.4	2.28	2.3	1.53	2.5	1.65	3	3	2
455	17.9	10010	2250	5005	1125	3003	675	5.1	3.42	3.4	2.29	3.7	2.48	4	4	2
606	23.9	13332	2997	6666	1499	4000	899	6.8	4.56	4.5	3.05	4.9	3.30	5	5	3
758	29.8	16676	3749	8338	1874	5003	1125	8.5	5.71	5.7	3.82	6.1	4.13	6	6	3
909	35.8	19998	4496	9999	2248	5999	1349	10.2	6.84	6.8	4.58	7.4	4.95	7	7	4
1061	41.8	23342	5247	11671	2624	7003	1574	11.9	7.99	8.0	5.35	8.6	5.78	8	8	4
1212	47.7	26664	5994	13332	2997	7999	1798	13.6	9.12	9.1	6.11	9.8	6.60	9	9	5
1364	53.7	30008	6746	15004	3373	9002	2024	15.3	10.27	10.2	6.88	11.0	7.43	10	10	5
1515	59.6	33330	7493	16665	3746	9999	2248	17.0	11.40	11.4	7.64	12.3	8.25	11	11	6
1667	65.6	36674	8244	18337	4122	11002	2473	18.7	12.55	12.5	8.40	13.5	9.07	12	12	6
1818	71.6	39996	8991	19998	4496	11999	2697	20.4	13.68	13.6	9.16	14.7	9.90	13	13	7
1970	77.6	43340	9743	21670	4871	13002	2923	22.1	14.83	14.8	9.93	16.0	10.72	14	14	7

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 33.5 mm (1.32 in.)

2576	101.4	56672	12740	28336	6370	17002	3822	28.9	19.39	19.3	12.98	20.9	14.02	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 33.5 mm (1.32 in.)

2879	113.3	63338	14238	31669	7119	19001	4272	32.2	21.67	21.6	14.51	23.3	15.67	20	20	10
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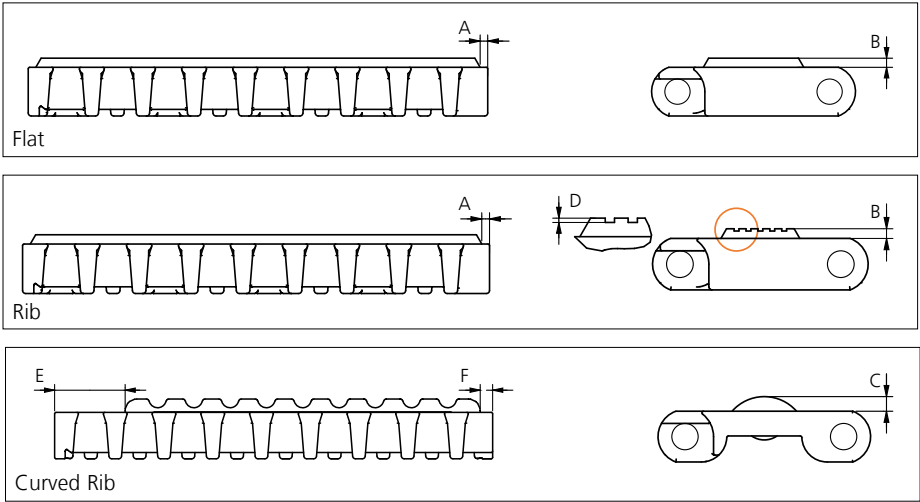
General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.

*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 mm (6 in.) ; Return: 304 mm (12 in.)

Accessories

Rubber Top

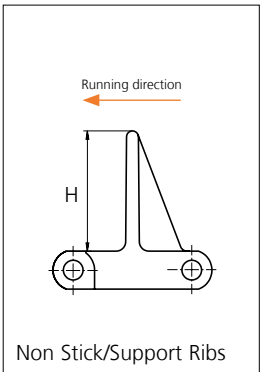
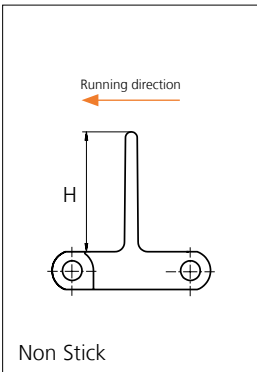


Type	Belt Material & color	Rubber Material & color	A		B		C		D		E		F		Link size	Width	
			mm	in	mm	in	mm	in	mm	in	mm	in	mm	in		mm	in
Flat	POM-LF BR	03 N	2.5	0.10	3.0	0.12	4.5	0.18	0.7	0.03	24.0	0.94	4.0	0.16	K600	150.5	5.93
Rib	POM-D W																
Curved Rib	POM-D W	03 K															

Other Non Standard Rubber profiles: See uni Rubber Profile Overview.

Accessories

Flight

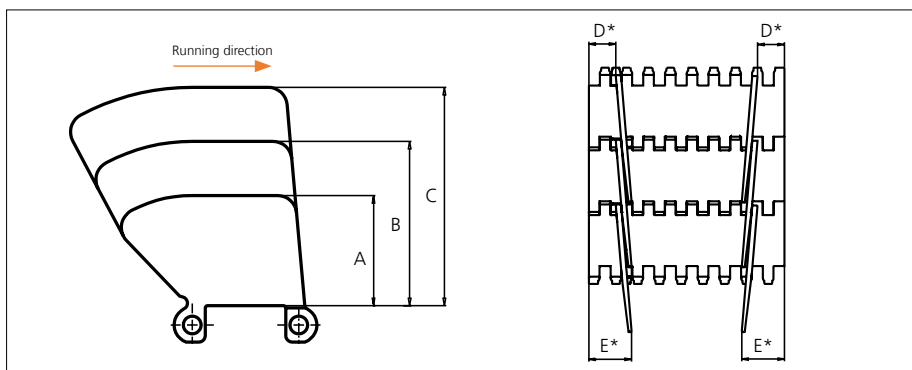


Type	Recommended Material & color	H		Link size	Width		Indent	
		mm	in		mm	in	mm	in
Non Stick	PP-HW B	50.8	2.00	K600	151.0	5.94	0.0	0.00
Non Stick/ Support Ribs		76.2	3.00					
		101.6	4.00					

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

Accessories

Side Guard



Type	Recommended Material & color	A		B		C		D*		E*	
		mm	in	mm	in	mm	in	mm	in	mm	in
Closed	PP-HW B	51.8	2.04	77.2	3.04	102.6	4.04	21.0	0.83	34.0	1.34

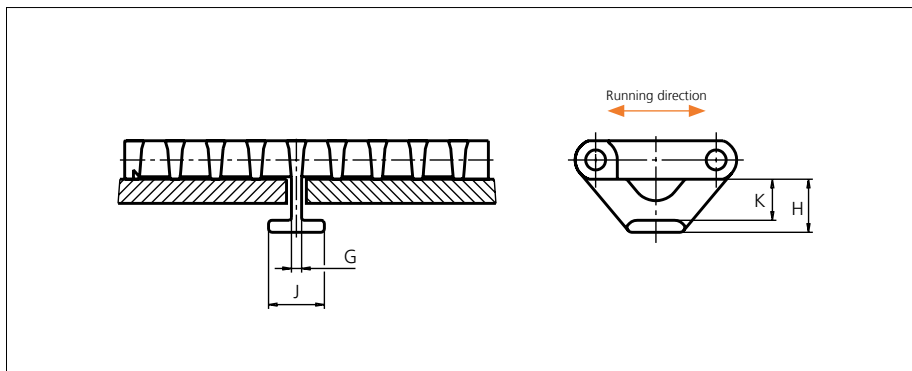
* Min. indent Increment : 8.4 mm (0.33 in)

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

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

Accessories

Tab

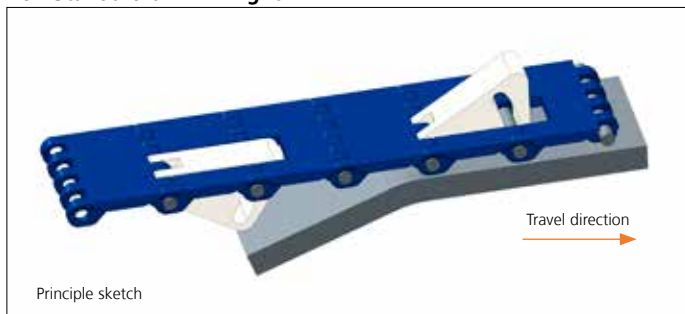


Type	Recommended material & color	G		H		J		K	
		mm	in	mm	in	mm	in	mm	in
Bottom Hold Down	POM-D W	4.2	0.17	22.0	0.87	23.2	0.92	17.0	0.67
	POM-LF B								
	PP W								

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

Accessories

Non Standard uni AmFlight



Other Non Standard option: See uni AmFlight Overview.

Sprocket

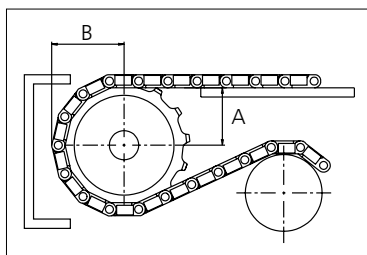
No of teeth	Bore size												Overall diameter		Pitch-diameter		Hub-diameter		A-dimension		B-dimension		Single row/Two way	Double row/Two way	Molded PA6	Machined PA6
	Pilot Bore	in	0.75	0.78	0.98	1.00	1.18	1.25	1.50	1.57	2.36	2.50														
													mm	19.1												
		mm	19.1	20.0	25.0	25.4	30.0	31.8	38.1	40.0	60.0	63.5	90.0	mm	in	mm	in	mm	in	mm	in	mm	in			
Z06	x					●	●	●	■	■				94.5	3.72	100.3	3.95	65	2.56	35.5	1.40	58.6	2.31	x		x
Z08	x					●	●	●	■	■				129	5.08	131.1	5.16	65	2.56	52.6	2.07	74	2.91	x		x
Z10	x						●	●	■	■				160.1	6.30	162.4	6.39	65	2.56	69.2	2.72	89.7	3.53	x		x
Z12	x						●	●	■	■				191.5	7.54	193.9	7.63	65	2.56	85.7	3.37	105.5	4.15	x		x
Z13	x						●		■	■				207.3	8.16	209.7	8.26	72	2.83	93.8	3.69	113.4	4.46	x		x
Z13												■		207.3	8.16	209.7	8.26	150	5.91	93.8	3.69	113.4	4.46	x		x
Z16	x						●		■	■		■		254.8	10.03	257.3	10.13	200	7.87	118.2	4.65	137.1	5.40	x		x

■ 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.
Round bores are always delivered with keyway.
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 8 C/1301



Conveyor



Seamless



Modular



Timing



Transmission



Fabrication & service

Solid advice
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Local stock & service
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