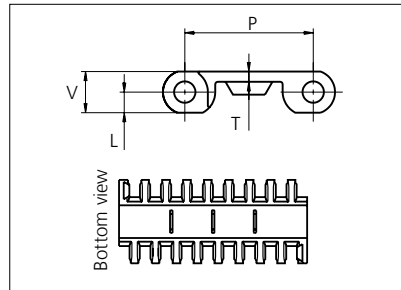


Plastic Modular Belt

Series **uni OPB 4** 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	 PA6.6 N	P (Nominal)	50.0	1.97	V	16.0	0.63
		L	8.0	0.31	T	4.0	0.16

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	1672	376	836	188	502	113	1.8	1.20	1.1	0.77	1.2	0.83	2	2	2
303	11.9	3333	749	1667	375	1000	225	3.5	2.38	2.3	1.53	2.5	1.65	3	3	2
455	17.9	5005	1125	2503	563	1502	338	5.3	3.58	3.4	2.29	3.7	2.48	4	4	2
606	23.9	6666	1499	3333	749	2000	450	7.1	4.76	4.5	3.05	4.9	3.30	5	5	3
758	29.8	8338	1874	4169	937	2501	562	8.9	5.96	5.7	3.82	6.1	4.13	6	6	3
909	35.8	9999	2248	5000	1124	3000	674	10.6	7.15	6.8	4.58	7.4	4.95	7	7	4
1061	41.8	11671	2624	5836	1312	3501	787	12.4	8.34	8.0	5.35	8.6	5.78	8	8	4
1212	47.7	13332	2997	6666	1499	4000	899	14.2	9.53	9.1	6.11	9.8	6.60	9	9	5
1364	53.7	15004	3373	7502	1686	4501	1012	16.0	10.73	10.2	6.88	11.0	7.43	10	10	5
1515	59.6	16665	3746	8333	1873	5000	1124	17.7	11.91	11.4	7.64	12.3	8.25	11	11	6
1667	65.6	18337	4122	9169	2061	5501	1237	19.5	13.11	12.5	8.40	13.5	9.07	12	12	6
1818	71.6	19998	4496	9999	2248	5999	1349	21.3	14.29	13.6	9.16	14.7	9.90	13	13	7
1970	77.6	21670	4871	10835	2436	6501	1461	23.0	15.49	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	28336	6370	14168	3185	8501	1911	30.1	20.26	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	31669	7119	15835	3560	9501	2136	33.7	22.64	21.6	14.51	23.3	15.67	20	20	10
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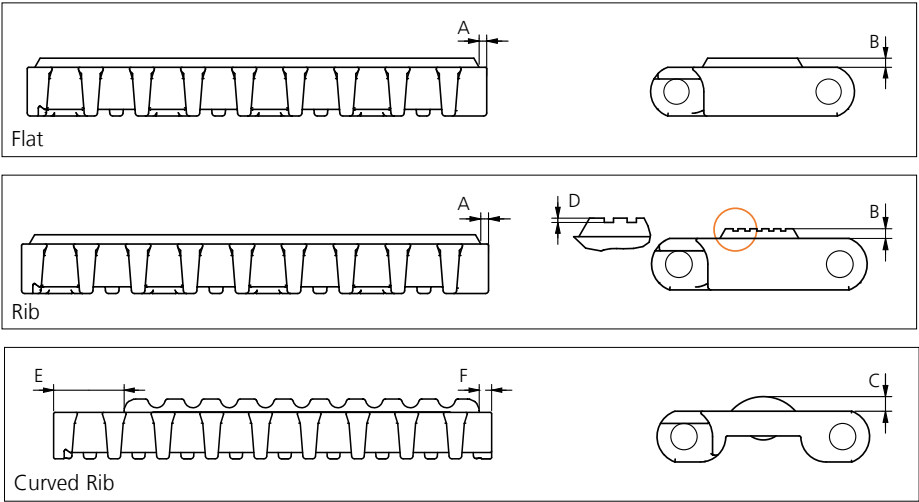
General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.

*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

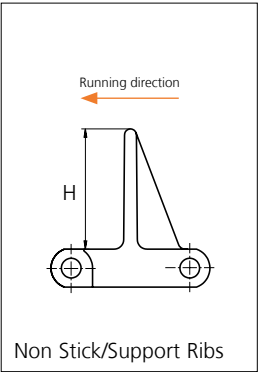
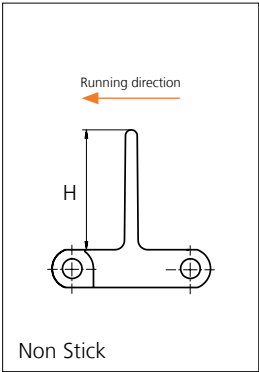


Type	Belt Material & color	Rubber Material & color	A		B		C		D		E		F		Link size	Width	
			mm	in	mm	in	mm	in	mm	in	mm	in	mm	in		mm	in
Flat	POM-LF BR	03 N	2.5	0.10	3.0	0.12	4.5	0.18	0.7	0.03	24.0	0.94	4.0	0.16	K600	150.5	5.93
Rib	POM-D W																
Curved Rib	POM-D W	03 K															

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

Accessories

Flight

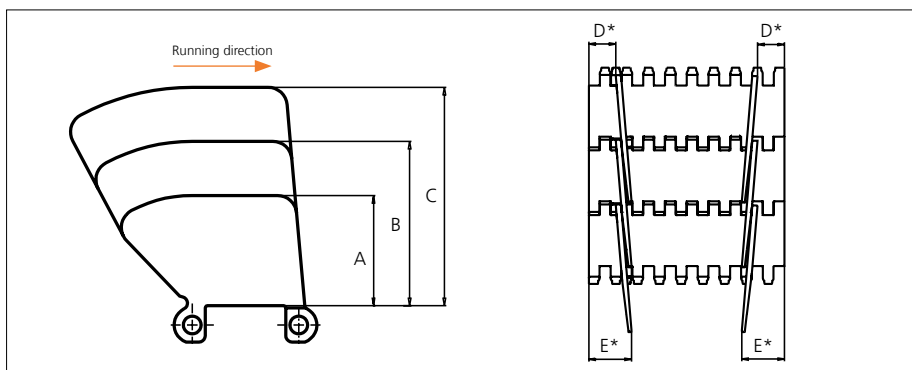


Type	Recommended Material & color	H		Link size	Width		Indent	
		mm	in		mm	in	mm	in
Non Stick	PP-HW B	50.8	2.00	K600	151.0	5.94	0.0	0.00
Non Stick/ Support Ribs		76.2	3.00					
		101.6	4.00					

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

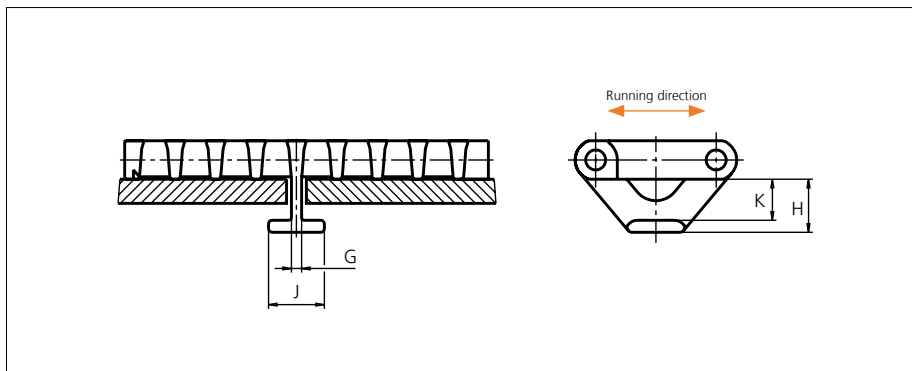
* Min. indent Increment : 8.4 mm (0.33 in)

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

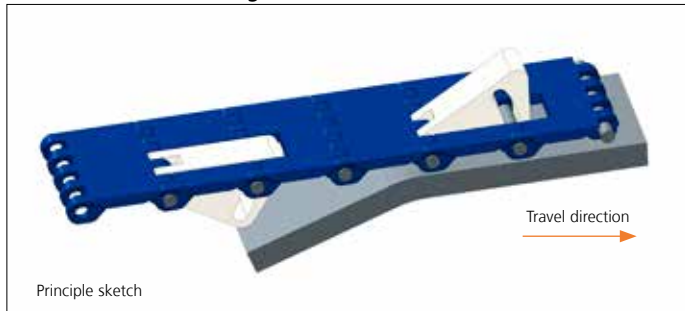


Type	Recommended Material & color	G		H		J		K	
		mm	in	mm	in	mm	in	mm	in
Bottom Hold Down	POM-D W	4.2	0.17	22.0	0.87	23.2	0.92	17.0	0.67
	POM-LF B								
	PP W								

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

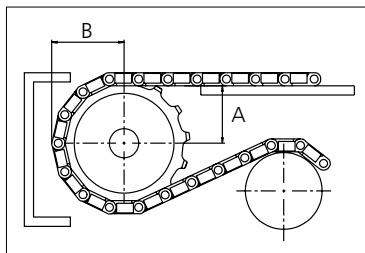
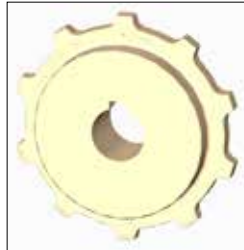
No of teeth	Bore size													Overall diameter		Pitch-diameter		Hub-diameter		A-dimen- sion		B-dimen- sion		Single row/Two way	Double row/Two way	Molded PA6 LG	Machined PA6 
	Pilot Bore	in	0.75	0.78	0.98	1.00	1.18	1.25	1.50	1.57	2.36	2.50	3.54														
	mm	19.1	20.0	25.0	25.4	30.0	31.8	38.1	40.0	60.0	63.5	90.0	mm	in	mm	in	mm	in	mm	in							
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 C 4/1301



Conveyor



Seamless



Modular



Timing



Transmission



Fabrication & service

Solid advice
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Local stock & service
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