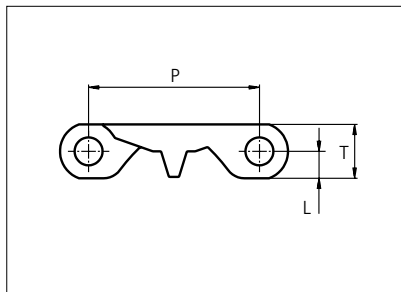




Plastic Modular Belt

Series **uni MPB** Type **C**



Straight running belt
 Nominal pitch: 50.8 mm (2.00 in)
 Surface type: Flat
 Surface opening: Closed
 Backflex radius: 65.0 mm (2.6 in)
 Pin diameter: 8 mm (0.31 in)

Belt material & color	POM-DI <input type="checkbox"/> W <input type="checkbox"/> B	PP <input type="checkbox"/> W <input type="checkbox"/> B	PE-I <input type="checkbox"/> N <input type="checkbox"/> B		mm	in		mm	in	
	Pin material & color			PP <input type="checkbox"/> W	PE <input type="checkbox"/> W	P (Nominal)	50.8	2.00	T	16.0
					L	8.0	0.31	-	-	-

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

Alternative pin and lock materials: Pin: PA6.6 N PP W PE W PBT LG SS304 Lockpin: PA6.6 B PBT LG Trilock: PA6.6 N

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-DI/PP		PP/PP		PE-I/PE		POM-DI/PP		PP/PP		PE-I/PE			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	N	lbf	N	lbf	Kg/m	lb/ft	Kg/m	lb/ft	Kg/m	lb/ft			
68	2.7	1870	420	1088	245	884	199	0.8	0.54	0.6	0.38	0.6	0.40	2	2	2
84	3.3	2306	518	1341	302	1090	245	1.0	0.67	0.7	0.47	0.7	0.50	2	2	2
151	5.9	4153	933	2416	543	1963	441	1.8	1.21	1.3	0.84	1.3	0.89	2	2	2
168	6.6	4620	1039	2688	604	2184	491	2.0	1.34	1.4	0.94	1.5	0.99	2	2	2
185	7.3	5088	1144	2960	665	2405	541	2.2	1.48	1.5	1.03	1.6	1.09	2	2	2
202	8.0	5555	1249	3232	727	2626	590	2.4	1.62	1.7	1.13	1.8	1.19	2	2	2
219	8.6	6023	1354	3504	788	2847	640	2.6	1.75	1.8	1.22	1.9	1.30	2	2	2
235	9.3	6463	1453	3760	845	3055	687	2.8	1.88	2.0	1.31	2.1	1.39	2	2	2

Additional standard belt widths are available in steps of 16.8 mm (0.66 in).

655	25.8	18013	4049	10480	2356	8515	1914	7.8	5.24	5.4	3.65	5.8	3.87	5	5	3
672	26.5	18480	4154	10752	2417	8736	1964	8.0	5.37	5.6	3.75	5.9	3.97	5	5	3
688	27.1	18920	4253	11008	2475	8944	2011	8.2	5.50	5.7	3.84	6.1	4.07	5	5	3
705	27.8	19388	4358	11280	2536	9165	2060	8.4	5.64	5.9	3.93	6.2	4.17	5	5	3
722	28.4	19855	4463	11552	2597	9386	2110	8.6	5.77	6.0	4.03	6.4	4.27	5	5	3

Additional standard belt widths are available in steps of 16.8 mm (0.66 in).

1963	77.3	53983	12135	31408	7061	25519	5737	23.4	15.70	16.3	10.95	17.3	11.61	14	14	7
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Additional standard belt widths are available in steps of 16.8 mm (0.66 in).

2970	116.9	81675	18361	47520	10682	38610	8680	35.3	23.75	24.7	16.57	26.1	17.56	20	20	10
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General belt tolerance is +0/-0.4% at 23°C/73°F. For exact belt width contact Customer Service. Non standard belt width on request.

*Max. Load per Drive Sprocket. Belt material: POM-DI with snub roller 2000 N (450 lbf) without snub roller 1250 N (281 lbf).

**Max. Spacing between wear strips, Carry: 152 mm (6 in); Return: 304 mm (12 in).

= Single Link



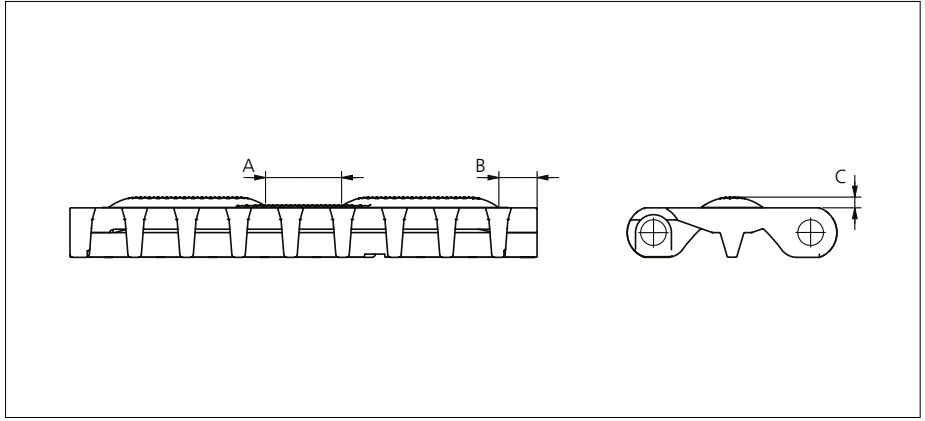
STANDARD

STRAIGHT RUNNING

PITCH 50.8 MM/2.00 IN

Accessories

Rubber Top

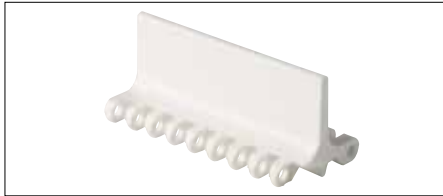


Type	Belt Material & color	Rubber Material & color	A		B		C		Link size	Width	
			mm	in	mm	in	mm	in		mm	in
Curved Rough	POM-DI W	01 N	24.0	0.94	10.0	0.39	3.5	0.14	K600	151.0	5.94

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

Accessories

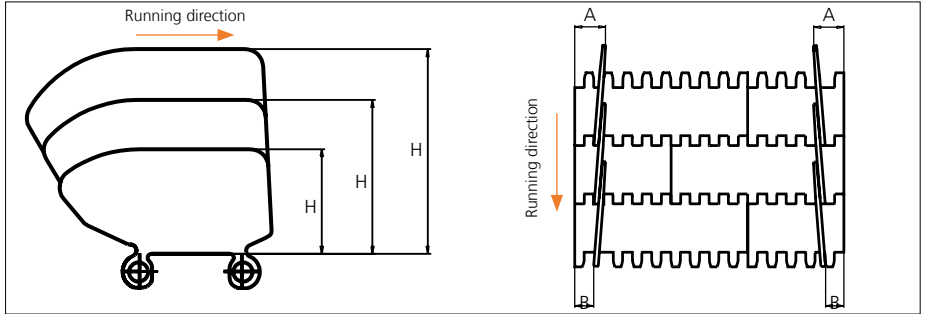
Flight



See separate uni MPB series Flight datasheet.

Accessories

Side Guard



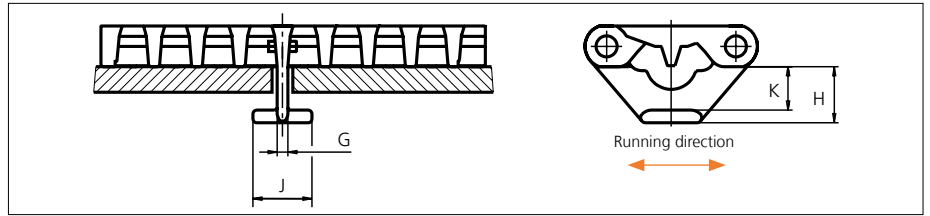
Type	Side Guard Material & color	H		A		B	
		mm	in	mm	in	mm	in
Closed	PE-I B N	50.8	2.00	32.0	1.26	16.0	0.63
	PP-I W B	76.2	3.00				
		101.6	4.00				

*34.0 mm (1.34 in) combined with flight. Increment: 8.4 mm (0.33 in).

Note: Backflex radius when Side Guards are used: 200.0 mm (7.90 in)

Accessories

Tab



Type	Tab Material & color	G		J		K		H	
		mm	in	mm	in	mm	in	mm	in
Bottom Hold Down	POM-DI W	4.2	0.17	23.2	0.91	17.0	0.67	22.0	0.87

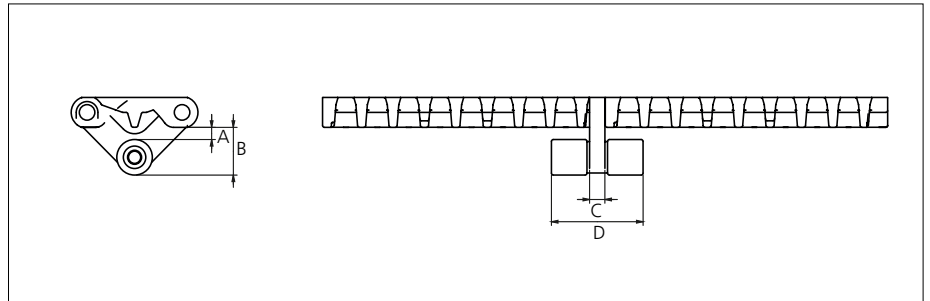
Note: When using tabs, please verify sufficient clearance to the shaft. Max. shaft diameter = Sprocket pitch diameter - 63.5 mm (2.50 in). When using square shafts, please verify that the diagonal does not exceed max. diameter. Example: Sprocket z = 6: Max. shaft diameter 101.6 - 63.5 = \varnothing 38.1 mm (4.00 - 2.50 = \varnothing 1.4 in).

Note: When using a belt system with tabs, the temperature should be constant. Please note that the tabs are not always placed in the middle of the belt.

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

Accessories

Tab/NON STANDARD

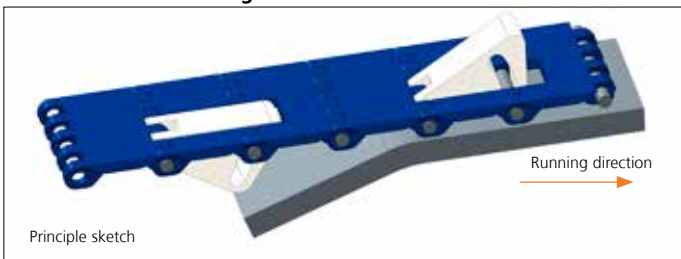


Type	Belt material & color	A		B		C		D	
		mm	in	mm	in	mm	in	mm	in
Bottom Hold Down Roller Tab	PP W	6.5	0.26	25.5	1.00	8.2	0.32	49.0	1.93

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

Accessories

Non standard uni AmFlight

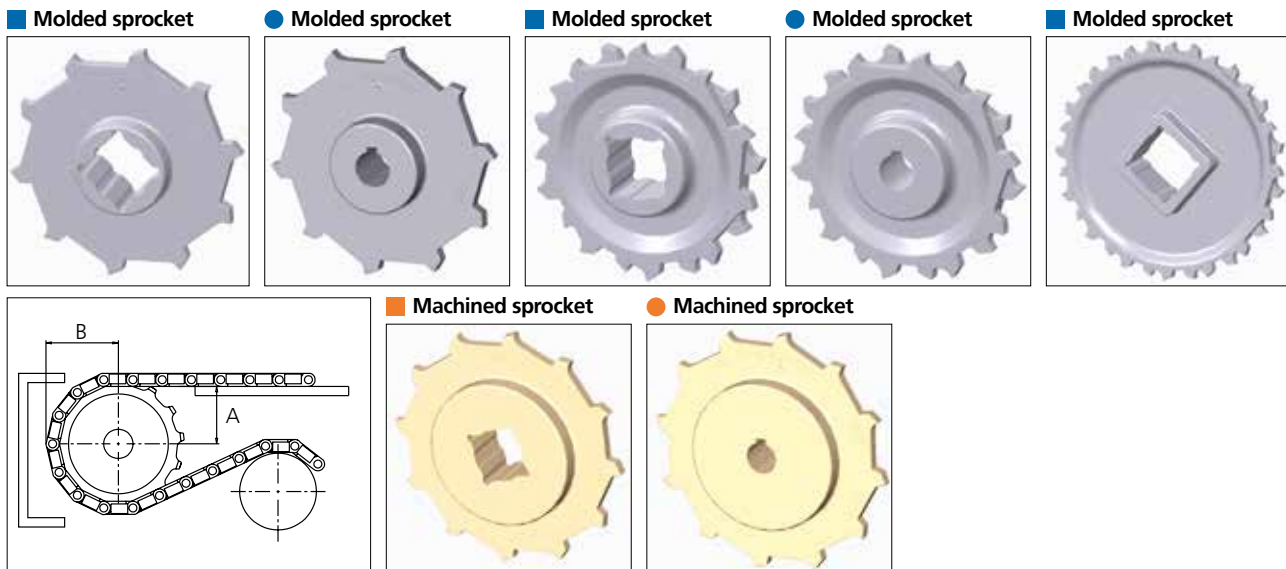


Other non standard option: See uni AmFlight Overview.

Sprocket

No of teeth	Bore size											Overall diameter		Pitch diameter		Hub diameter		Dimension A		Dimension B		Single row/One way	Double row/Two way	Molded PA6 LG	Machined PA6 N	
	Pilot bore																									
	mm	in	20.0	0.78	0.98	1.00	1.18	1.25	1.50	1.57	2.36	2.50	3.54	mm	in	mm	in	mm	in	mm	in					
Z06	x				●	●	●	■	●	■			99.5	3.92	101.6	4.00	65.0	2.56	36.0	1.42	59.3	2.33	x		x	
Z08	x				●	●	●	■	●	■	■*		132.9	5.23	132.8	5.23	70.0	2.75	53.3	2.10	74.9	2.94	x	x*	x	
Z10	x					●	●	■	●	■			166.3	6.55	164.4	6.47	70.0	2.75	70.2	2.76	90.7	3.57	x	x	x	
Z10											■	■	166.3	6.55	164.4	6.47	120.0	4.72	70.2	2.76	90.7	3.57	x	x	x	
Z12	x				●	●	■	●	■				198.6	7.82	196.3	7.73	70.0	2.75	86.8	3.42	106.6	4.19	x	x	x	
Z12										■	■		198.6	7.82	196.3	7.73	120.0	4.72	86.8	3.42	106.6	4.19	x	x	x	
Z16					●	●	■	●	■	■	■		263.8	10.39	260.4	10.25	160.0	6.30	119.7	4.71	138.7	5.46		x	x	
Z16	x				●	●	■	●	■	■	■		263.8	10.39	260.4	10.25	150.0	5.90	119.7	4.71	138.7	5.46	x			x

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 sprocket = Single row: 42.3 mm (1.66 in)
Double row: 50.0 mm (1.96 in)
Width of tooth = Single row: 9.5 mm (0.37 in)
Double row: 17.0 mm (0.66 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 MPB.
For more detailed sprocket information, contact Customer Service.

uni MPB C/160628



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