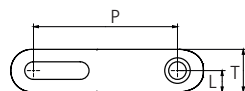




Plastic Modular Belt

Series **uni Flex L-OSB** Type **65% Open (Radius 2.2)**



Sideflexing belt
Nominal pitch: 50.8 mm (2.00 in)
Surface type: Open
Surface opening: 65%
Backflex radius: 65.0 mm (2.56 in)
Pin diameter: 6.0 mm (0.24 in)
Min. inside radius: R2.2 x belt width

Belt material & color	POM-D B	PP B		mm	in		mm	in
P			(Nominal)	50.8	2.00	T	15.0	0.59
L				7.5	0.29	-	-	-

Non standard material and color: See uni Material and Color Overview.
Alternative pin and lock systems and materials: Contact Customer Service.

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				POM-D/PA6.6		PP/PA6.6			**Carry (pcs)	**Return (pcs)
		Straight sections		Curve sections		Straight sections		Curve sections								
mm	in	N	lbf	N	lbf	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft			
305	12.0	5429	1220	3300	742	4087	919	2080	468	2.0	1.36	1.5	0.99	3	3	2
407	16.0	6490	1459	3300	742	4923	1107	2080	468	2.7	1.82	2.0	1.32	3	3	2
509	20.0	7551	1697	3300	742	5760	1295	2080	468	3.4	2.27	2.5	1.65	5	4	2
610	24.0	8601	1934	3300	742	6588	1481	2080	468	4.1	2.72	2.9	1.98	5	5	3
712	28.0	9662	2172	3300	742	7424	1669	2080	468	4.7	3.18	3.4	2.31	5	5	3
813	32.0	10712	2408	3300	742	8253	1855	2080	468	5.4	3.63	3.9	2.64	7	6	3
915	36.0	11773	2647	3300	742	9089	2043	2080	468	6.1	4.08	4.4	2.97	7	7	4
1016	40.0	12823	2883	3300	742	9917	2229	2080	468	6.7	4.53	4.9	3.30	7	7	4
1118	44.0	13884	3121	3300	742	10754	2417	2080	468	7.4	4.99	5.4	3.63	9	8	4
1219	48.0	14935	3357	3300	742	11582	2604	2080	468	8.1	5.44	5.9	3.96	9	9	5
1321	52.0	15995	3596	3300	742	12418	2792	2080	468	8.8	5.89	6.4	4.29	9	9	5
1422	56.0	17046	3832	3300	742	13246	2978	2080	468	9.4	6.35	6.9	4.62	11	10	5
1524	60.0	18107	4070	3300	742	14083	3166	2080	468	10.1	6.80	7.4	4.95	11	11	6
1626	64.0	19167	4309	3300	742	14919	3354	2080	468	10.8	7.26	7.9	5.28	11	11	6
1727	68.0	20218	4545	3300	742	15747	3540	2080	468	11.5	7.71	8.3	5.61	13	12	6

Additional standard belt widths are available in steps of 101.6 mm (4.00 in). Additional non-standard belt widths are available in steps of mm 50.8 (2.00 in).

1930	76.0	22329	5020	3300	742	17412	3914	2080	468	12.8	8.61	9.3	6.26	13	13	7
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General belt tolerance is +0/-0.4% at 23°C/73°F. For exact belt width contact Customer Service.

*Max load per Drive Sprocket. Belt material: POM-D 1000 N (225 lbf), PP 550 N (123 lbf).

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

Belt needs support rollers or flanged rollers at each belt edge for support.

= Single Link



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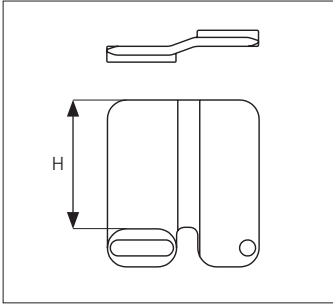
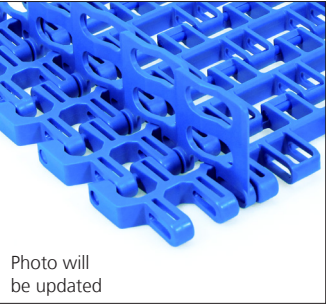
STANDARD

SIDE FLEXING

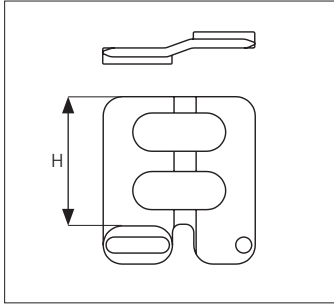
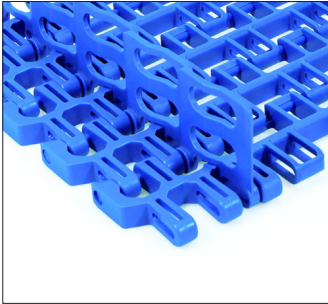
PITCH 50.8 MM/2.00 IN

Accessories

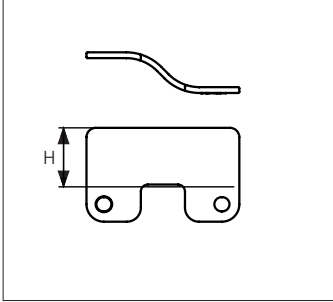
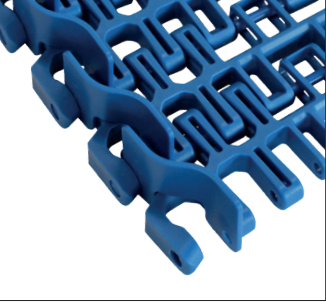
Side Guard Closed



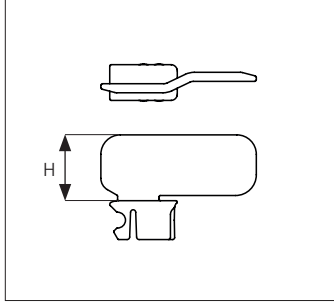
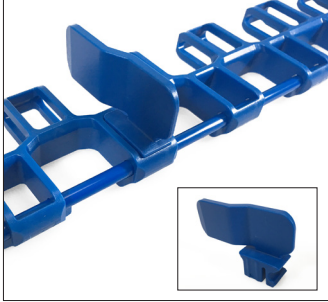
Side Guard Open



Side Guard Outside Closed



Side Guard Snap-On Closed

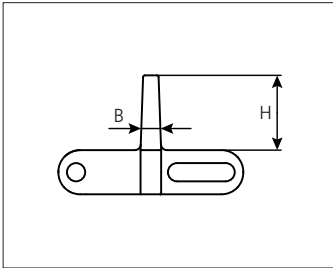
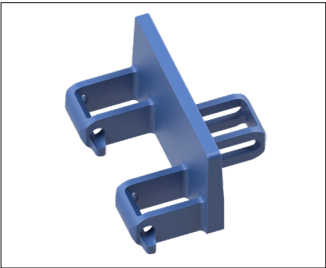


Type	Material & color	H	
		mm	in
Side Guard Closed	POM-D B	10.0	0.39
Side Guard Open		25.4	1.00
Side Guard Outside Closed		50.0	1.97
Side Guard Snap-On Closed		50.0	1.97
		25.4	1.00
		25.4	1.00

Indent for Side Guard Closed and Side Guard Open: 55.0 mm (2.17 in) or 80.0 mm (3.15 in). Min/max indent for Side Guard Outside Closed: 10.0 mm (0.39 in). Min indent for Side Guard Snap-On Closed: 175.0 mm (6.89 in) and Increment 50.8 mm (2.00 in). Non Standard material and color: See uni Material and Color Overview.

Accessories

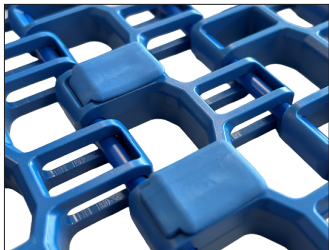
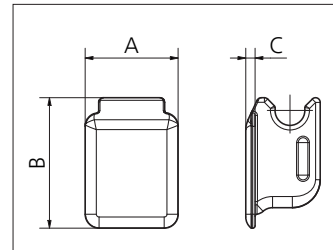
Flight



Type	Flight Material & color	B		H		Link size	Width	
		mm	in	mm	in		mm	in
Flat	POM-D B	10.85	0.20	25.4	1.00	K300	76.2	3.00

Accessories

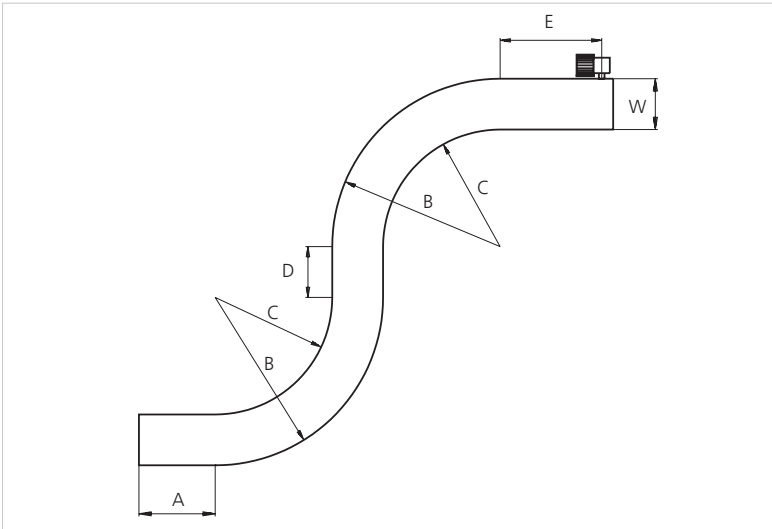
Top Insert



Rubber Top				A		B		C	
Type	Material	Code	Color	mm	in	mm	in	mm	in
Rubber	TPE-S	03	B	20	0.79	28.1	1.11	2.0	0.08

Rubber inserts can only be assembled in the open hinges containing round holes. Non Standard material and color: See uni Material and Color Overview.

Design Guidelines



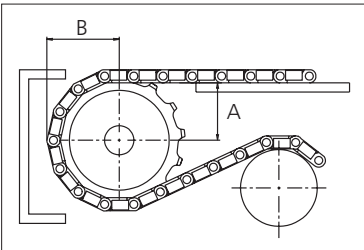
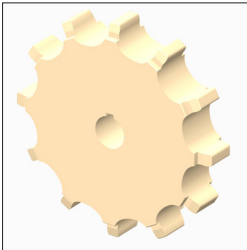
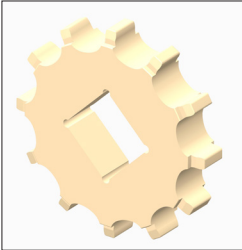
	uni Flex L-OSB 65% Open Radius 2.2
A	min. 1.5 x W
B	min 3.2 x W
C	min 2.2 x W
D	min 2 x W
E	min 2 x W, min.
W	Belt width

Sprocket

No. of teeth	Bore size								Overall diameter		Pitch diameter		Hub diameter		Dimension A		Dimension B		Single row/Two way	PAG N
	Pilot Bore	in	1.00	1.18	1.25	1.50	1.57	2.50												
		mm	25.4	30.0	31.8	38.1	40.0	63.5	mm	in	mm	in	mm	in	mm	in				
Z08	✔								134.6	5.30	131.5	5.18	107.6	4.23	54.4	2.15	74.9	2.95	✔	✔
Z10	✔								168.3	6.63	164.0	6.46	141.3	5.56	71.4	2.81	90.8	3.57	✔	✔
Z12	✔								203.5	8.01	196.5	7.74	176.5	6.94	88.2	3.47	106.8	4.20	✔	✔
Z15	✔								253.4	9.98	245.4	9.66	226.4	8.91	113.2	4.46	131.0	5.16	✔	✔

■ Machined sprocket

● Machined sprocket

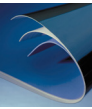


Non standard material and color: See uni Material and Color Overview.

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 = 27.0 mm (1.06 in)
Width of sprocket = 40.0 mm (1.57 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.

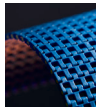
For correct sprocket position: See uni Assembly Instructions for uni Flex L-OSB.
For more detailed sprocket information, contact Customer Service.



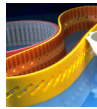
Synthetic Belts



Endless Woven Belts



Modular Belts



Engineered Belts



Homogeneous Belts



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