



Ammeraal Beltech Modular

Innovative belt and chain solutions
for every industry & application



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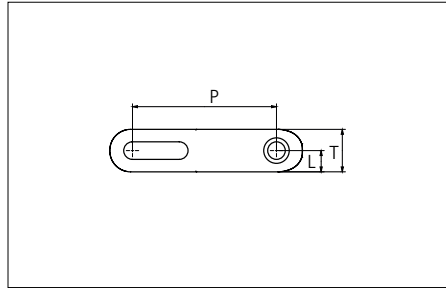
uni Flex L-OSB R2.5/3.0/3.5/4.0

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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
Pin and lock material & color	PA6.6 B		L	7.5	0.29	-	-	-

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

Alternative pin and lock materials:

⚡ Snap Pin A1: PP **W** PBT **LG** PA6.6 **B** ⚡ Lockpin: PBT **LG**

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		kg/m	lb/ft	kg/m	lb/ft			
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 mm (6 in); Return: 304 mm (12 in).

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

□ = Single Link

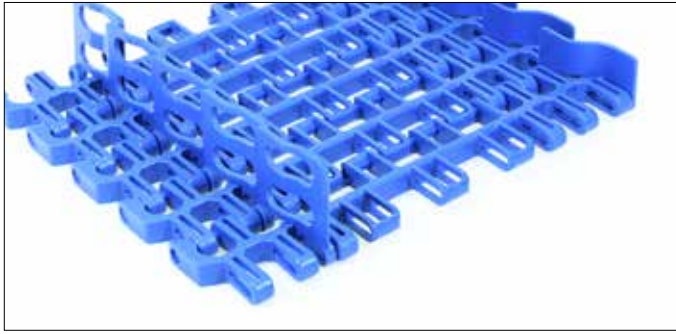
STANDARD

SIDE FLEXING

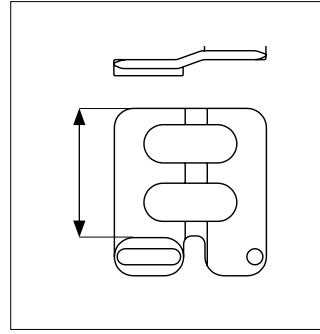
PITCH 50.8 MM/2.00 IN

Accessories

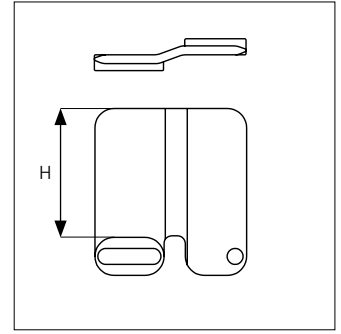
Side Guard



Side Guard Open



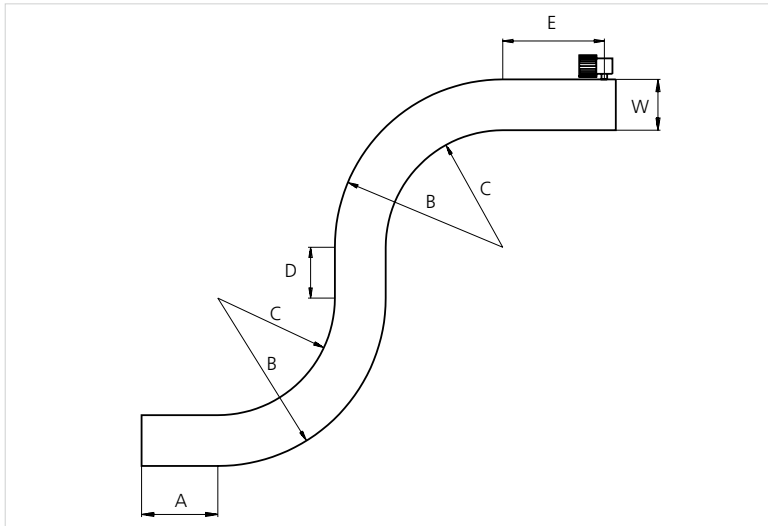
Side Guard



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

* Min. indent for Side Guard is: 80.0 mm (3.15 in) and Increment 25.4 mm (1.00 in)
 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



Conveyor Belts



Seamless Belts



Modular Belts



Timing Belts



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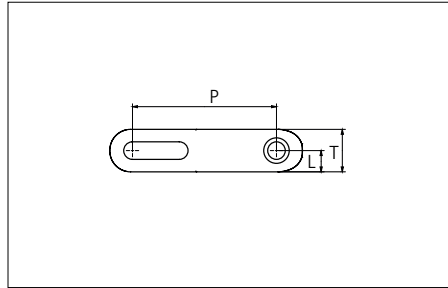
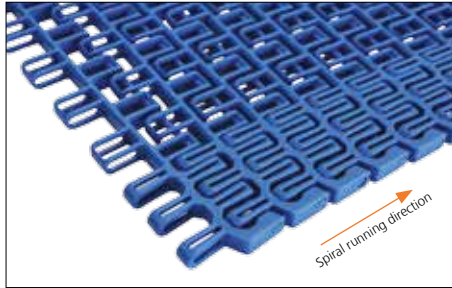
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Plastic Modular Belt

Series **uni Flex L-OSB** Type **65% Open Radius 2.5/3.0/3.5/4.0**



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:
 2.5 / 3.0 / 3.5 / 4.0 x belt width

Recommended Belt material & color	POM-D B	mm	in		mm	in	
		P (Nominal)	50.8	2.00	T	15.0	0.59
Recommended Pin material & color	PA6.6 B	L	7.5	0.29	-	-	-

Other non standard material and color: See uni Material and Color Overview.
 Alternative pin and lock: Snap Pin A1

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		kg/m	lb/ft	kg/m	lb/ft			
mm	in	N	lbf	N	lbf	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft			
326	12.8	5803	1304	3300	742	4368	982	2080	468	2.2	1.45	1.6	1.06	3	2	2
428	16.9	6864	1543	3300	742	5205	1170	2080	468	2.8	1.91	2.1	1.39	3	2	2
530	20.9	7924	1781	3300	742	6041	1358	2080	468	3.5	2.37	2.6	1.72	4	2	2
631	24.8	8975	2018	3300	742	6869	1544	2080	468	4.2	2.82	3.0	2.05	4	3	3
733	28.9	10036	2256	3300	742	7706	1732	2080	468	4.9	3.27	3.5	2.38	5	3	3
834	32.8	11086	2492	3300	742	8534	1918	2080	468	5.5	3.72	4.0	2.71	5	3	3
936	36.9	12147	2731	3300	742	9370	2106	2080	468	6.2	4.18	4.5	3.04	5	3	3
1037	40.8	13197	2967	3300	742	10199	2293	2080	468	6.9	4.63	5.0	3.37	6	4	4
1139	44.8	14258	3205	3300	742	11035	2481	2080	468	7.6	5.08	5.5	3.70	6	4	4
1240	48.8	15308	3441	3300	742	11863	2667	2080	468	8.2	5.53	6.0	4.03	6	4	4
1342	52.8	16369	3680	3300	742	12700	2855	2080	468	8.9	5.99	6.5	4.36	7	5	5
1443	56.8	17420	3916	3300	742	13528	3041	2080	468	9.6	6.44	7.0	4.68	7	5	5

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 50.8 mm (2.00 in).

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-D 1000 N (225 lbf), PP 550 N (123 lbf).

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

= Single Link



NON STANDARD

SIDE FLEXING

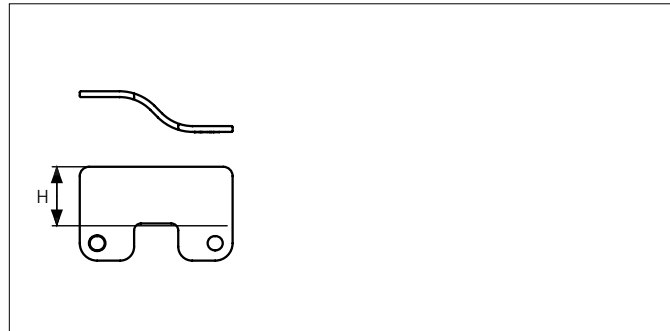
PITCH 50.8 MM/2.00 IN

Accessories

Side Guard Outside Only



Side Guard Outside Only



Type	Recommended Material & color	H	
		mm	in
Side Guard Outside Only	POM-D B	25.4	1.00

* Min. indent for Side Guard is: 80.0 mm (3.15 in) and Increment 25.4 mm (1.00 in)
 Non Standard material and color: See uni Material and Color Overview.

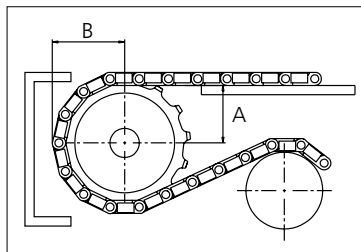
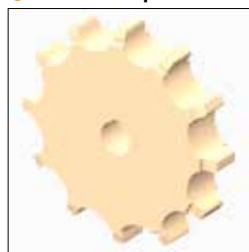
Sprocket

No. of teeth	Pilot Bore	Bore size												Overall diameter	Pitch diameter	Hub diameter	Dimension A	Dimension B	Single row/Two way	Double row/Two way	Molded PA6 LG	Machined PA6 N				
		in	0.75	0.79	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													
Z08	x				●	●			●				134.6	5.30	131.5	5.18	107.6	4.23	54.4	2.15	74.9	2.95	x			x
Z10	x				●	●	●		●				168.3	6.63	164	6.46	141.3	5.56	71.4	2.81	90.8	3.57	x			x
Z12	x				●		●	●	●		■		203.5	8.01	196.5	7.74	176.5	6.94	88.2	3.47	106.8	4.20	x			x
Z15	x				●		●	●	●	●	■		253.4	9.98	245.4	9.66	226.4	8.91	113.2	4.46	131.0	5.16	x			x

■ 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 = 30.0 mm (1.18 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.

uni Flex L-OSB 65% Open NON STANDARD/150407



Conveyor Belts



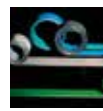
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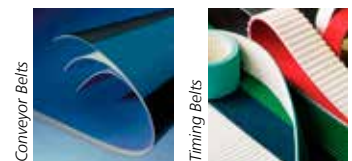
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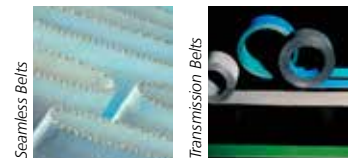
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