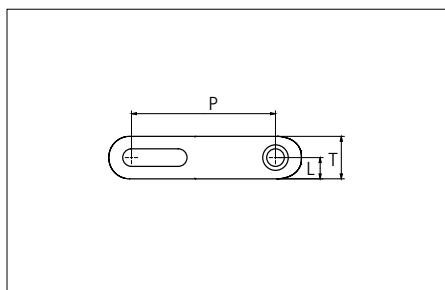
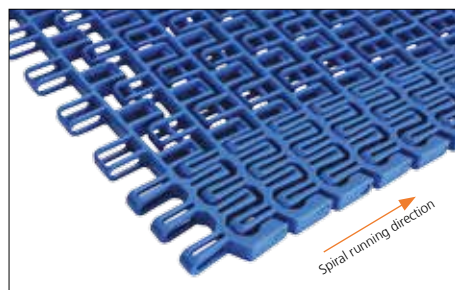




Plastic Modular Belt

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
Recommended Pin material & color	PA6.6 B	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

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.

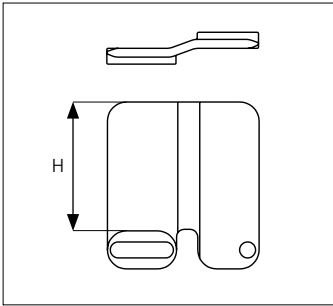
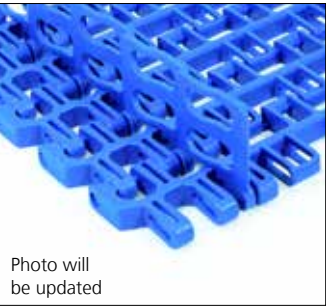
*Max. Load per Drive Sprocket. Belt material: POM-D 1000 N (225 lbf), PP 550 N (123 lbf).

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

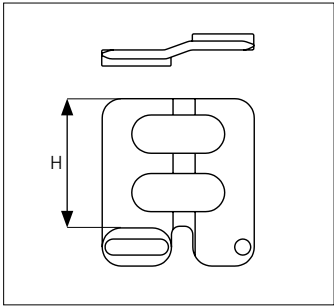
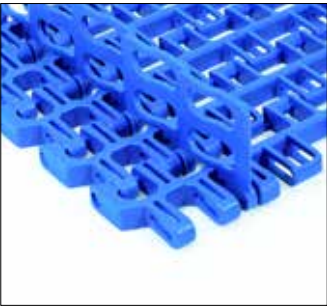
= Single Link

Accessories

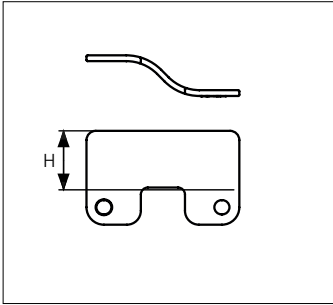
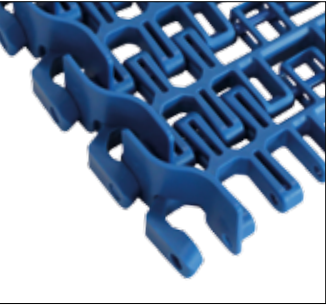
Side Guard Closed



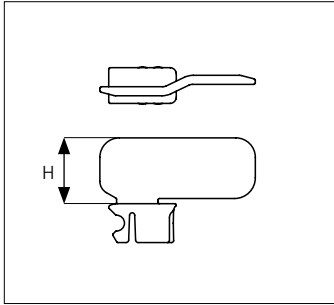
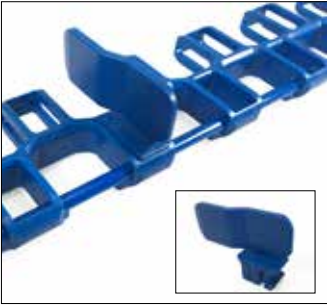
Side Guard Open



Side Guard Outside Closed



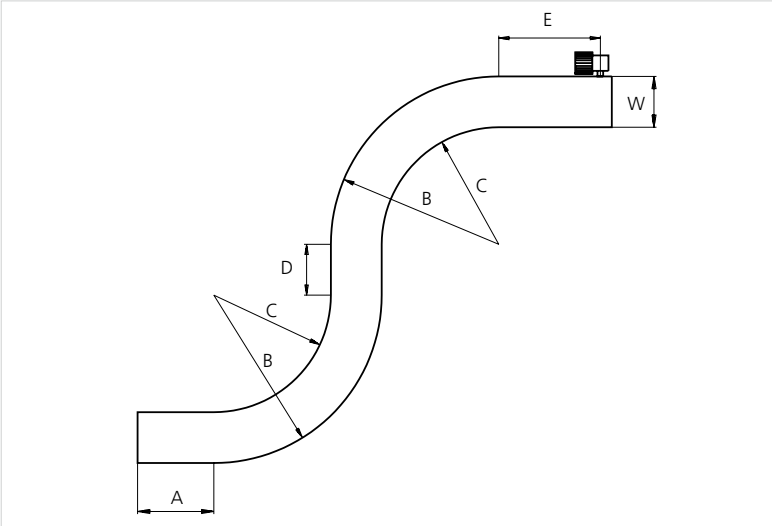
Side Guard Snap-On Closed



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

Design Guidelines



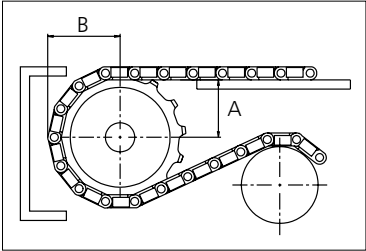
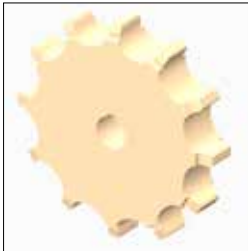
	uni Flex L-OSB 65% Open Radius 2.2
A	min. 1.5 x W
B	min 3.2 x W
C	min 2.2 x W
D	min 2 x W
E	min 2 x W, min.
W	Belt width

Sprocket

No. of teeth	Bore size								Overall diameter		Pitch diameter		Hub diameter		Dimension A		Dimension B		Single row/Two way	PA6 N Machined
	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	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



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.

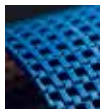
Non standard material and color: See uni Material and Color Overview.



Conveyor Belts



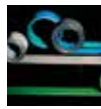
Seamless Belts



Modular Belts



Timing Belts



Transmission Belts



Fabrication
& service

Expert advice, quality solutions
and local service
for all your belting needs
www.ammeraalbeltech.com

Ammeraal Beltech Modular A/S
Hjulgagervej 21
DK-7100 Vejle

T +45 7572 3100
F +45 7572 3348
admin@unichains.com
www.unichains.com

This information is subject to alteration due to continuous development. Ammeraal Beltech will not be held liable for the incorrect use of the above stated information. This information replaces previous information. All activities performed and services rendered by Ammeraal Beltech are subject to general terms and conditions of sale and delivery, as applied by its operating companies.