UK

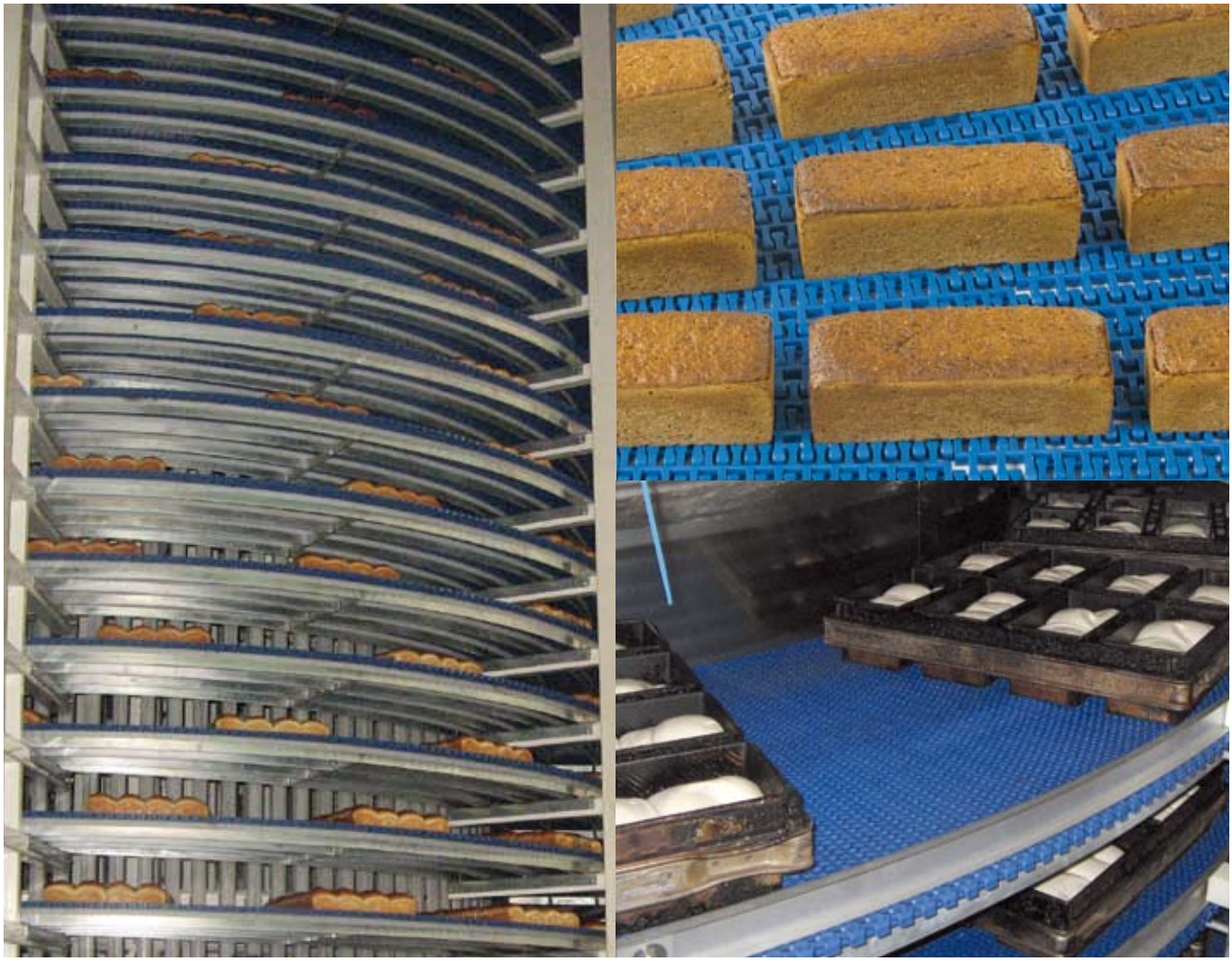
NEW

Modular Belt selection

> uni Flex L-ASB
> uni Flex L-ASB T
> uni Flex L-ASB R

The brand for plastic modular belts and chains

Pitch 50.8 mm (2.00 in.)



uni Flex L-ASB

This new generation of 2 in. pitch radius belts with or without hold down tabs offers a unique patent design providing an extremely strong radius belt.
Also a uni Flex L-ASB R with tighter turning radius is alsoavailable.
This new generation is easy to clean and combined with POM-D material, it has good release characteristics.
The increased lateral stability allows fewer support strips than normal.
The improved hygienic design of this straight and side flexing belt makes it the ideal processing belt in cooling, freezing, drying or proofing applications. The uni Flex L-ASB is a proven belt in spiral applications.

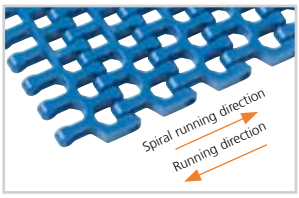
The uni Flex L-ASB Series increases performance in the following industries and applications:

- Bakery industry including pan handling, cooling lines, internal transport, packaging lines with demands for height belt strength
- Meat & poultry applications including packaging lines
- Spiral applications
- Furniture industry

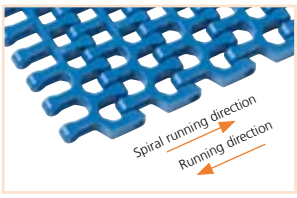
Product features:

- Standard POM-D material containing a self-lubricating component, improving non-stick characteristics and reducing friction
- Easy to clean thanks to improved hygienic design of the hinges
- Tight radius application reducing space requirements
- Less support strips thanks to increased lateral stability
- Available with 2.2 and 1.6 collapsing factor

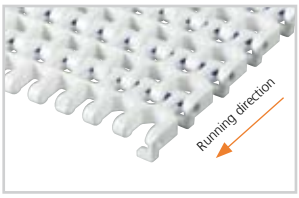
Standard Selection



uni Flex L-ASB
Surface opening 47%



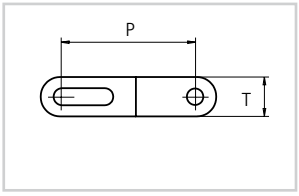
uni Flex L-ASB R
Surface opening 50%



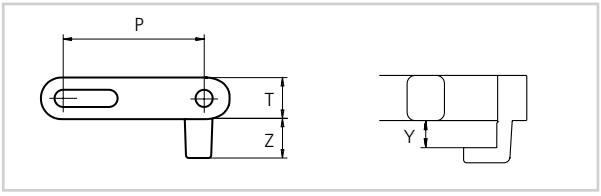
uni Flex L-ASB T
Surface opening 47%

uni Flex ASB and and uni Flex ASB T: Min. inside radius 2.2 x belt width.
uni Flex ASB-R: Min. inside radius 1.6 x belt width.

Dimensional Sketches



uni Flex L-ASB
uni Flex L-ASB R



uni Flex ASB T

Dimensions

	mm	in.
P	50.8	2.00
T	15.0	0.59
Y	9.0	0.35
Z	14.0	0.55

Side flexing

50.8 mm (2.00 in.)

Snap Pin A1

ø6.0 mm (0.24 in.)

Patent pending

See Belt Catalog

100 mm (3.94 in.)

See pages 6 and 7

See Belt Catalog

Accessories

See page 5

See page 5

Standard Materials and Colors

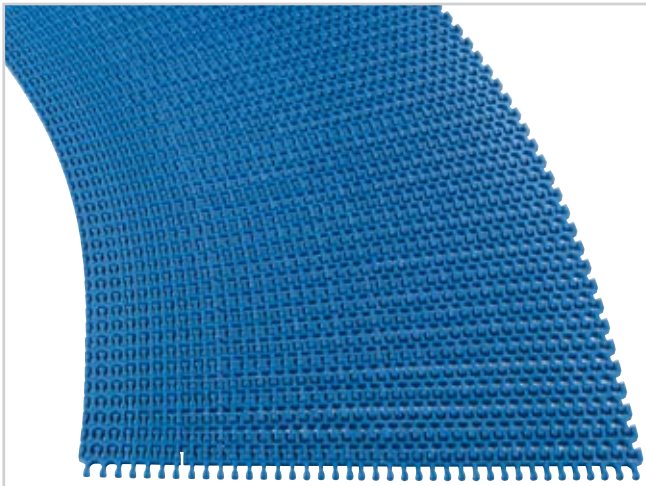
Type	Standard materials and colors	Standard pins materials and colors
uni Flex L-ASB	**POM-D** W	**PA6.6** B
	POM-D B	**PA6.6** B
	PP B	**PA6.6** W
uni Flex L-ASB T	**POM-D** B	**PA6.6** B
	POM-D B	**PA6.6** B
	PP B	**PA6.6** W
uni Flex L-ASB R	**POM-D** B	**PA6.6** B
	POM-D B	**PA6.6** B
	PP W	**PA6.6** B

Standard Bricklayed Belt Widths

mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.
249	9.8	452	17.8	605	23.8	704	27.7	910	35.8	1087	42.8	1545	60.8	2002	36.8
325	12.8	478	18.8	630	24.8	783	30.8	935	36.8	1240	48.8	1697	66.8	2154	39.8
402	15.8	554	21.8	656	25.8	859	33.8	1011	39.8	1392	54.8	1849	35.8	2306	42.8

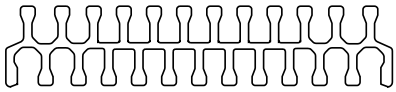
On above belt width values, the belt width tolerance on standard materials is +0/-0.4% at 23°C (73° F).

uni Flex L-ASB Single Link®



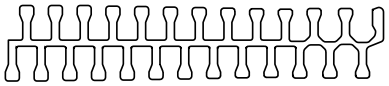
uni Flex L-ASB Single Link® is available in the following standard widths:

K1280 Both (325.9 mm (12.83 in.))



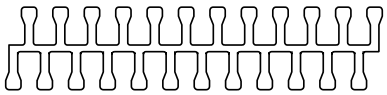
The both link is split in two and used as the outer part of the belt.

K1320 L-ASB R (331.5 mm (13.05 in.))



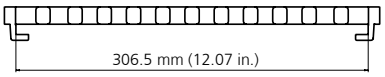
The R module is used as the inside part of the belt for a tighter radius.

K1200 Center (299.7 mm (11.80 in.))



The center module is used in the middle of the belt.

uni Flex L-ASB T



Standard Single Link®

Belt type and widths	K1200 Center 299.7 mm (11.80 in.)	K1280 Both 325.9 mm (12.83 in.)	K1320 331.5 mm (13.05 in.)
uni Flex L-ASB	X	X	
uni Flex L-ASB T		X	
uni Flex L-ASB R			X

Please note: Only the outer hinge from the both and the R modul can be used to retain the Snap Pin.

Max. Permissible Load in Curve

Belt material	Belt width W	POM		PP			
Pin material		PA6.6		PP		PA6.6	
	in.	N	lbf	N	lbf	N	lbf
uni Flex L-ASB | T | R	6 in. < = W < 12 in.	1830	411	1000	225	1060	238
	12 in. < = W < 18 in.	2440	559	1450	326	1440	346
	W > 18 in.	3110	699	1850	416	1960	441

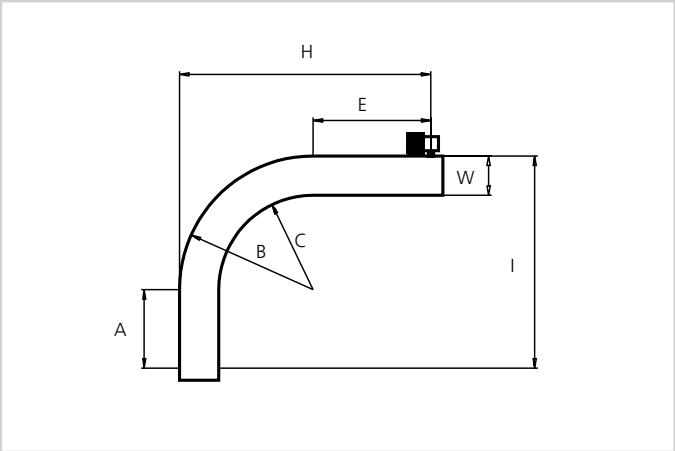
Max. Permissible Load in Straight Sections

Belt material	POM		PP	
Pin material	PA6.6		PP | PA6.6	
	N/m	lbf/ft	N/m	lbf/ft
uni Flex L-ASB | T | R	40000	2740	10250	1781

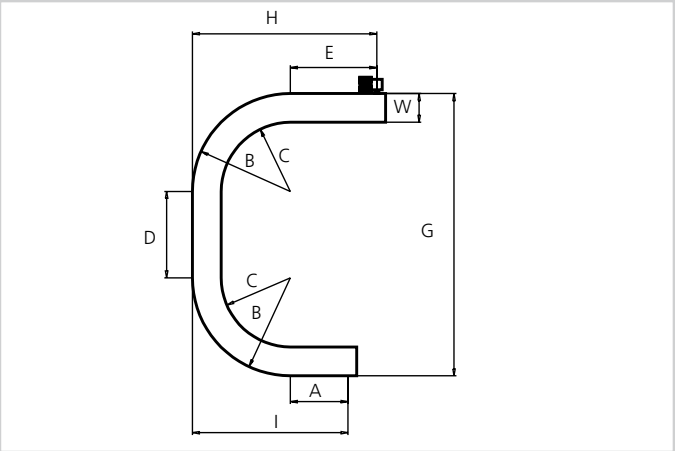
Belt Weights

Belt material	POM		PP	
Pin material	PA6.6		PP	
	kg/m²	lb/ft²	kg/m²	lb/ft²
uni Flex L-ASB | T	9.8	2.00	6.0	1.20
uni Flex L-ASB R	9.8	2.00	-	-

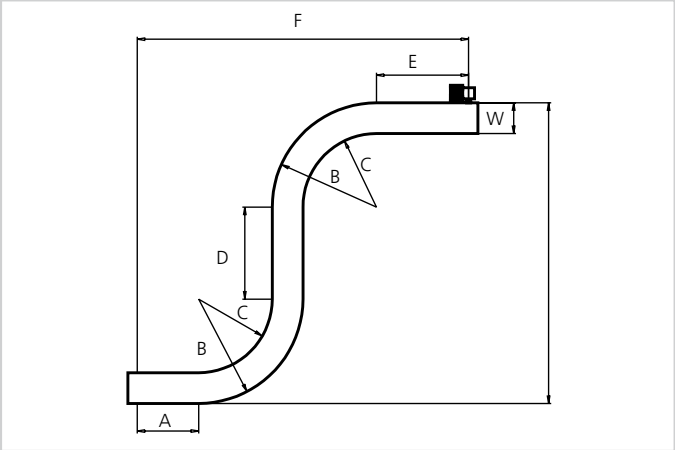
Design Guidelines



L - Conveyors



C - Conveyors

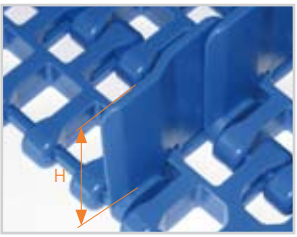


S - Conveyors

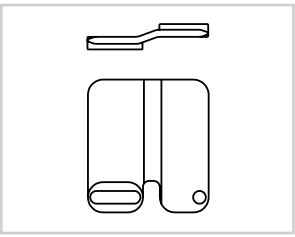
	uni Flex L-ASB uni Flex L-ASB T	uni Flex L-ASB R (inside)
A	min. 1.5 x W	min. 1.5 x W
B	min. 3.2 x W	min. 2.6 x W
C	min. 2.2 x W	min. 1.6 x W
D	min. 2.0 x W	min. 2.0 x W
E	min. 2.0 x W	min. 2.0 x W
F	min. 8.9 x W	min. 7.7 x W
G	min. 8.4 x W	min. 7.2 x W
H	min. 5.2 x W	min. 4.6 x W
I	min. 4.7 x W	min. 4.1 x W

uni Flex L-ASB R can not be used in S-conveyors.

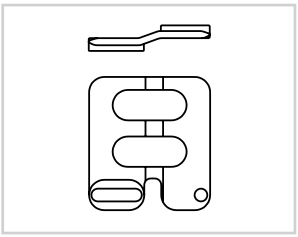
Accessories | Line Divider



Lane Divider



Lane Divider



Lane Divider Airflow

Dimensions

Style	H	
	mm	in.
Lane Divider	10.0	0.39
Lane Divider	25.4	1.00
Lane Divider	50.0	2.00
Lane Divider Airflow	50.0	2.00

Standard Material and Color

POM-D B

Accessories | Radius Lock

Radius Lock

Standard Materials and Colors

Flex ratio 2.5 **POM-D** O Flex ratio 2.8 **POM-D** B

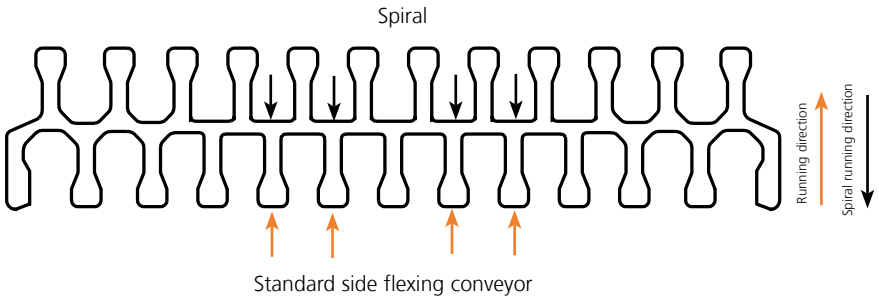
Standard Sprockets

No. of teeth	Pitch diameter		Overall diameter		Hub diameter		Bore		Reference no. plastic
	mm	in.	mm	in.	mm	in.	mm	in.	
8	131.5	5.18	134.6	5.30	0	0	ø18.0/70.0	ø0.71/2.76	633PA6FLASB08211N00
					0	0	sq 38.1	sq 1.50	633PA6FLASB08211N00I150S
					0	0	sq 40.0	sq 1.57	633PA6FLASB08211N00M040S
					0	0	sq 50.8	sq 2.00	633PA6FLASB08211N00I200S
10	164.0	6.46	168.3	6.63	0	0	ø18.0/70.0	ø0.71/2.76	633PA6FLASB10211N00
					0	0	sq 38.1	sq 1.50	633PA6FLASB10211N00I150S
					0	0	sq 40.0	sq 1.57	633PA6FLASB10211N00M040S
					0	0	sq 50.8	sq 2.00	633PA6FLASB10211N00I200S
12	196.5	7.74	203.5	8.01	0	0	ø18.0/120.0	ø0.71/4.76	633PA6FLASB12211N00
					0	0	sq 38.1	sq 1.50	633PA6FLASB12211N00I150S
					0	0	sq 40.0	sq 1.57	633PA6FLASB12211N00M040S
					0	0	sq 50.8	sq 2.00	633PA6FLASB12211N00I200S
15	245.4	9.66	253.4	9.98	0	0	ø18.0/150.0	ø0.71/5.91	633PA6FLASB15211N00
					0	0	sq 38.1	sq 1.50	633PA6FLASB15211N00I150S
					0	0	sq 40.0	sq 1.57	633PA6FLASB15211N00M040S
					0	0	sq 50.8	sq 2.00	633PA6FLASB15211N00I200S
					0	0	sq 60.0	sq 2.36	633PA6FLASB15211N00M060S
					0	0	sq 63.5	sq 2.50	633PA6FLASB15211N00I250S

Width of sprockets: 30.0 mm (1.18 in.)
Tooth width: 15.0 mm (0.59 in.)
Standard material: PA6

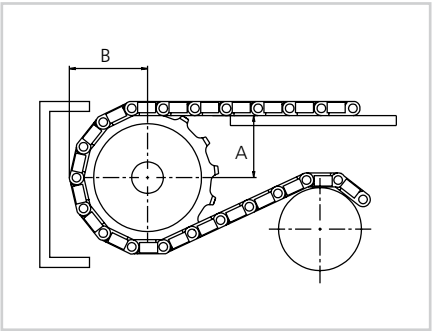
Other sprocket sizes are available upon request.

Placing of Sprockets



Placement of Wearstrips and Sprockets

No. of teeth	Minimum B-dimension		Wearstrip distance A	
	mm	in.	mm	in.
8	74.4	2.93	54.3	2.14
10	90.3	3.56	71.3	2.81
12	106.4	4.19	88.0	3.47
15	130.6	5.14	112.9	4.45
-	-	-	-	-



Max. Load per Sprocket

Belt material	POM		PP	
	N	lbf	N	lbf
uni Flex L-ASB	2500	562	1200	270

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