UK

NEW

Modular Belt selection

> uni Flex ASB
> uni Flex ASB CS

The brand for plastic modular belts and chains

Pitch 25.4 mm (1.00 in.)

uni Flex ASB Series

This new generation of 1 inch pitch radius belts with or without hold down tabs in combination with a flat or curved surface offers a unique patent design providing a very strong radius belt. This new generation is easier to clean and combined with POM-D material, it has good release characteristics. The increased lateral stability allows fewer support strips than normal, where the beveled edges facilitates side way loading. The improved hygienic design of this straight & side flexing belt makes it the ideal processing belt in cooling, freezing, drying or proofing applications.
Furthermore, the curved surface of the uni Flex ASB CS belt offers a reduced contact area of 10% and a smooth transfer. And in combination with a 9 tooth sprocket it forms a circle allowing a scraper against the belt. n top of this it is a proven spiral belt series

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

- Bakery industry including dough transport, cooling lines, internal transport, metal detectors and packaging lines
- Seafood applications including tray packing lines
- Meat & poultry applications including packaging lines
- Spiral applications as proofing and freezing of croissants, cooling and resting

Product features:

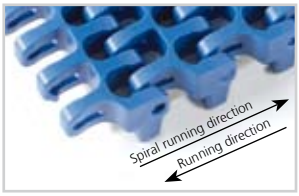
- Improved strength - 60% higher than previously, so longer conveyors are possible
- Standard POM-D material containing a self-lubricating component, improving non-stick characteristics and reducing friction
- Easy to clean due to improved hygienic design of the hinges
- Efficient product transfer and less product contact area (efficient cooling) with the curved surface type
- Less support strips due to increased lateral stability

Standard Selection

uni Flex ASB
Surface opening 43%

uni Flex ASB T
Surface opening 43%

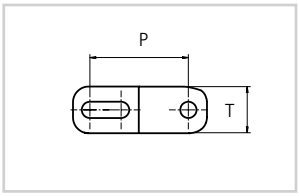
uni Flex ASB CS
Surface opening 43%



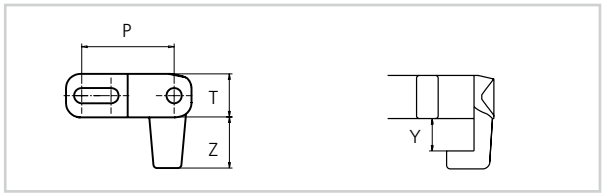
uni Flex ASB CS T
Surface opening 43%

Min. inside radius 2.2 x belt width for all four types.

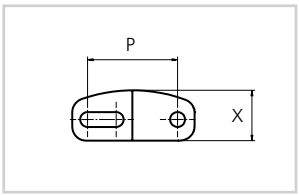
Dimensional Sketch



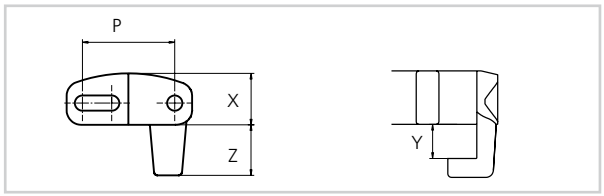
uni Flex ASB



uni Flex ASB T



uni Flex ASB CS



uni Flex ASB CS T

Side flexing

25.4 mm (1.00 in.)

Patent — Pat. pending

Materials — See Belt Catalog

25.0 mm (0.98 in.)

See page 6

See Belt Catalog

Accessori

Dimensions

	mm	in.
P	25.4	1.00
T	12.0	0.47
X	14.2	0.56
Y	9.0	0.35
Z	14.0	0.55

Standard Materials and Colors

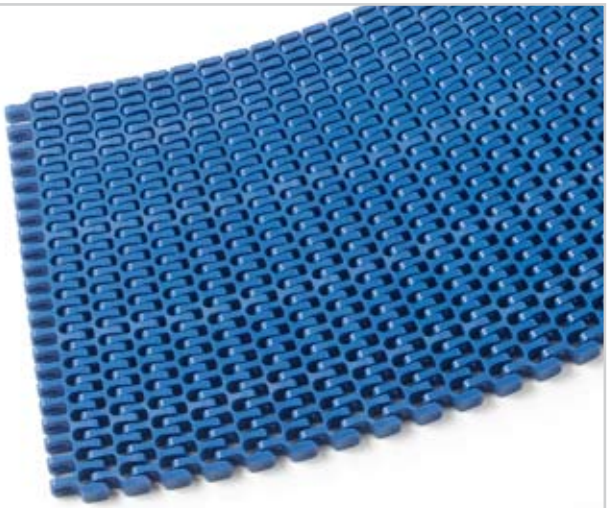
Type	Standard materials and colors	Standard pins materials and colors
uni Flex ASB	POM-D W	PA6.6 B
	POM-D B	PA6.6 B
	PP G	PP W
uni Flex ASB T	POM-D B	PA6.6 B
uni Flex ASB CS	POM-D W	PA6.6 B
	POM-D B	PA6.6 B
uni Flex ASB CS T	POM-D B	PA6.6 B

Standard Bricklayed Belt Widths

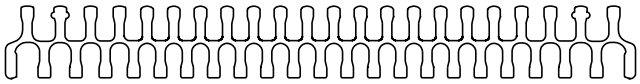
mm	in.	mm	in.	mm	in.	mm	in.
301	11.9	607	23.9	913	35.9	1219	48.0
378	14.9	684	26.9	990	39.0	1296	51.0
454	17.9	760	29.9	1066	42.0	1372	54.0
531	20.9	837	32.9	1143	45.0	1449	57.0

On above belt width values the belt width tolerance on standard material +0/-0.4%.

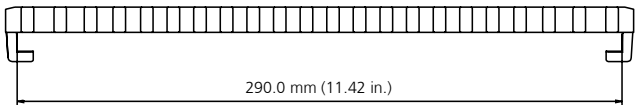
uni Flex ASB Single Link®



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



K1200 (301.1 mm (11.85 in.))



Standard Single Link® widths

Belt type and widths	K1200 Both 301.1 mm (11.85 in.)
uni Flex ASB	X
uni Flex ASB T	X
uni Flex ASB CS	X
uni Flex ASB CS T	X

Max. Permissible Load in Curve

Belt material	Belt width	POM		PP	
Pin material		PA6.6		PP	
	in.	N | lb		N| lb	
uni Flex ASB | T | CS | CS T	6 in. < = W < 12 in.	1200	270	720	162
uni Flex ASB | T | CS | CS T	12 in. < = W < 18 in.	1600	360	960	216
uni Flex ASB | T | CS | CS T	W > 18 in.	2040	459	1224	275

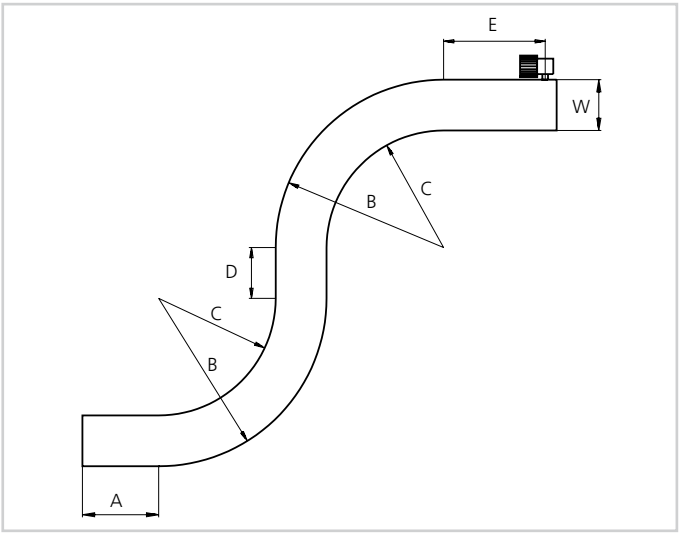
Max. Permissible Load in Straight Sections

Belt material	POM		PP	
Pin material	PA6.6		PP	
	N/m | lb/ft		N/m | lb/ft	
uni Flex ASB | T | CS | CS T	18800	1297	12500	863

Belt Weights

Belt material	POM		PP	
Pin material	PA6.6		PP	
	kg/m² | lb/ft²		kg/m² | lb/ft²	
uni Flex ASB | T	8.2	1.68	5.2	1.06
uni Flex ASB CS | CS T	8.3	1.70	-	-

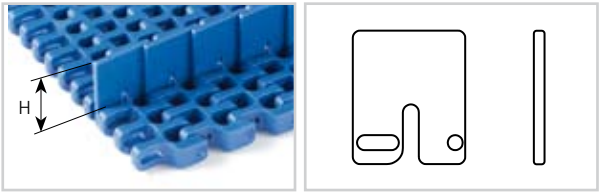
Design Guidelines



	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
W	Belt width

For min. conveyor dimensions please refer to sketch and diagram.

Standard Selection Accessories



Lane Divider

Dimensions

	mm	in.
H	25.4	1.00

Standard Materials and Colors

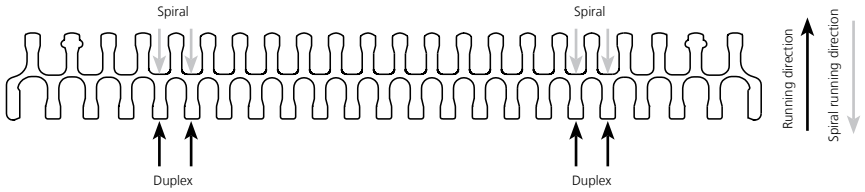
POM-D B W

Standard Sprockets

No. of teeth	Pitch diameter mm	Pitch diameter in.	Overall diameter mm	Overall diameter in.	Hub diameter mm	Hub diameter in.	Bore mm	Bore in.	Reference no. plastic
7	58.5	2.30	58.0	2.28	0	0	ø18.0/25.0	ø0.71/0.98	653PA6FASB07221N00
9	74.3	2.93	75.0	2.95	0	0	ø18.0/30.0	ø0.71/1.18	6653PA6FASB09221N00
							sq 25.4	sq 1.00	653PA6FASB09221N00I100S
12	98.1	3.86	100.0	3.94	0	0	ø18.0/40.0	0.71/1.57	653PA6FASB12221N00
							sq 38.1	sq 1.50	653PA6FASB12221N00I150S
15	122.2	4.81	124.6	4.91	0	0	ø18.0/70.0	ø0.71/2.76	653PA6FASB15221N00
							sq 38.1	sq 1.50	653PA6FASB15221N00I150S
							sq 40.0	sq 1.57	653PA6FASB15221N00M040S
18	146.3	5.76	149.3	5.88	0	0	ø18.0/70.0	ø0.71/2.76	653PA6FASB18221N00
							sq 38.1	sq 1.50	653PA6FASB18221N00I150S
							sq 40.0	sq 1.57	653PA6FASB18221N00M040S

Width of sprockets: 30.0 mm (1.18 in.)
Tooth width: 7.0 mm (0.28 in.)
Standard Material: PA6

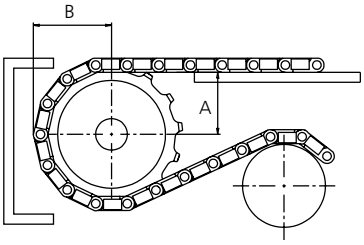
Placing of Sprockets



Other sprocket sizes are available upon request.

Placement of Wearstrips and Sprockets

No. of teeth	Minimum B-dimension mm	Minimum B-dimension in.	Wearstrip distance A mm	Wearstrip distance A in.
7	37.3	1.47	19.5	0.77
9	45.1	1.78	28.0	1.10
12	57.1	2.25	40.5	1.59
15	69.1	2.72	52.9	2.08
18	81.1	3.19	65.2	2.57



Max. Load per Sprocket

Belt material	POM		PP	
	N	lb	N	lb
uni Flex ASB | T | CS | CS T	2000	450	1100	247

Ammeraal Beltech Modular

Denmark/International Head Office
tel: +45 7572 3100
fax: +45 7572 3348
e-mail: admin@unichains.dk

France
tel: + 33 344 67 46 92
fax: + 33 344 67 46 93
e-mail: france@unichains.com

Germany
tel: +49 5971-91437-0
fax: +49 5971-915475
e-mail: admin@unichains.de

United Kingdom
tel: +44 121-559-0377
fax: +44 121-559-0373
e-mail: admin@unichains.co.uk

Italy
tel: +39 0522-922470
fax: +39 0522-922508
e-mail: unichains@unichains.it

Japan
tel: + 81 52 209 2977
fax: +81 52 231 1102
e-mail: s-sakai@unichains.co.jp

United States
tel: 610-372-1800 | 800-937-2864 (toll free)
fax: 610-372-3590
e-mail: sales@unichains.com

Find your local distributor on
www.unichains.com

Austria
tel: +43 1 2929372
fax: +43 1 2928906
e-mail: info@ammeraalbeltech.at

Belgium
tel: + 32 2 466 0300
fax: + 32 2 466 4272
e-mail: salesgb@ammeraal-beltech.be

Brazil
tel: + 55 11 4655 1244
fax: + 55 11 4655 1099
e-mail: wendas@ammeraalbeltech.com.br

Canada
tel: + 1 905 890 1311
fax: + 1 905 890 3660
e-mail: info@ammeraalbeltech.ca

Chile
tel: +43 1 2929372
fax: +43 1 2928906
e-mail: info@ammeraalbeltech.at

China
tel: + 86 21 6534 4690
fax: + 86 21 6548 0430
e-mail: webmaster@ammeraalbeltech.com.cn

Czech Republic
tel: + 420 56 733 0056
fax: + 420 56 733 0637
e-mail: prodej@ammeraalbeltech.cz

Finland
tel: + 358 207911400
fax: + 358 207911450
e-mail: info@ammeraalbeltech.fi

Hungary
tel: + 36 23427510
fax: + 36 23427511
e-mail: info@ammeraalbeltech.hu

Luxembourg
tel: +352 26 48 38 56
fax: +352 26 48 38 57
e-mail: sales@ammeraal-beltech.lu

Malaysia
tel: +60 3 8061 8849
fax: +60 3 8061 8935
e-mail: sales.kl@ammeraalbeltech.com.my

Netherlands
tel: + 31 72 5751212
fax: + 31 72 5716455
e-mail: info@ammeraalbeltech.com

Portugal
tel: + 351 22 947 9440
fax: + 351 22 941 3081
e-mail: geral@ammeraalbeltech.pt

Singapore
tel: + 65 6273 9767
fax: + 65 6273 5490
e-mail: sales@ammeraalbeltech.com.sg

Slovakia
tel: +421 2 55648541
fax: +421 2 55648543
e-mail: predaj@ammeraalbeltech.sk

South Korea
tel: + 82 31 448 3613-7
fax: + 82 31 448 3618
e-mail: amel@ammeraalbeltech.co.kr

Spain
tel: + 34 93 718 3305
fax: + 34 93 718 6273
e-mail: wentas@ammeraalbeltech.es

Switzerland
tel: + 41 55 2253 622
fax: + 41 55 2253 636
e-mail: werkauf.schweiz@ammeraal-beltech.ch

Thailand
tel: + 66 2 902 2604-13
fax: + 66 2 902 0422
e-mail: sales@ammeraalbeltech.th.com

Find your local distributor on
www.ammeraalbeltech.com