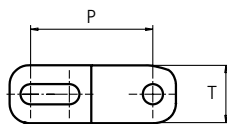


Plastic Modular Belt

Series **uni Flex ASB** Type **43% Open (Radius 1.6)**



Sideflexing belt
Nominal pitch: 25.4 mm (1.00 in)
Surface type: Flat
Surface opening: 43%
Backflex radius: 25.0 mm (0.98 in)
Pin diameter: 4.0 mm (0.16 in)
Min. inside radius: 1.6 x belt width

Belt material & color	POM-D B	mm	in
Pin and lock material & color	PA6.6 B	P (Nominal)	25.4
		T	12.0
			0.47

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)				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			
149	5.9	2801	630	1200	270	1863	419	720	162	1.2	0.82	0.8	0.52	2	2	2
226	8.9	4249	955	1200	270	2825	635	720	162	1.9	1.25	1.2	0.79	2	2	2
302	11.9	5678	1276	1200	270	3775	849	720	162	2.5	1.66	1.6	1.06	3	3	2
379	14.9	7125	1602	1200	270	4738	1065	720	162	3.1	2.09	2.0	1.32	3	3	2
455	17.9	8554	1923	1200	270	5688	1279	720	162	3.7	2.51	2.4	1.59	5	4	2
531	20.9	9983	2244	2040	459	6638	1492	1224	275	4.4	2.93	2.8	1.86	5	4	2
608	23.9	11430	2570	2040	459	7600	1708	1224	275	5.0	3.35	3.2	2.12	5	5	3
684	26.9	12859	2891	2040	459	8550	1922	1224	275	5.6	3.77	3.6	2.39	5	5	3
761	30.0	14307	3216	2040	459	9513	2138	1224	275	6.2	4.19	4.0	2.66	7	6	3
837	33.0	15736	3537	2040	459	10463	2352	1224	275	6.9	4.61	4.4	2.93	7	6	3
914	36.0	17183	3863	2040	459	11425	2568	1224	275	7.5	5.04	4.8	3.19	7	7	4
990	39.0	18612	4184	2040	459	12375	2782	1224	275	8.1	5.46	5.1	3.46	7	7	4
1066	42.0	20041	4505	2040	459	13325	2995	1224	275	8.7	5.87	5.5	3.73	9	8	4

Additional non-standard belt widths are available in steps of 12.7 mm (0.50 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

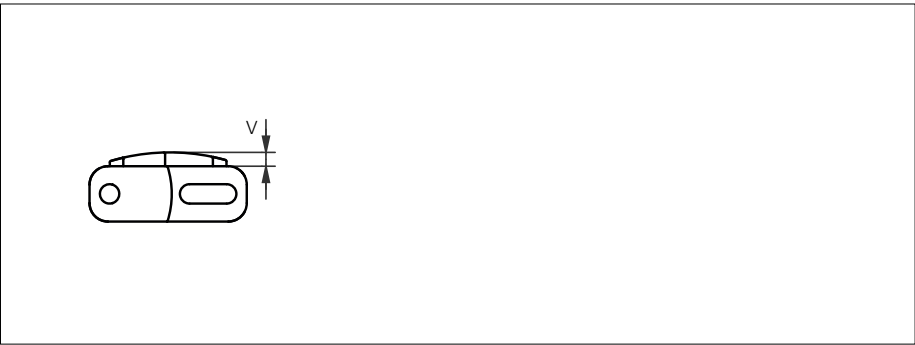
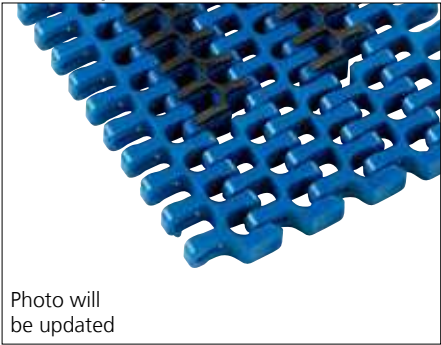
*Max. Load per Drive Sprocket. Belt material: POM-D 2000 N (450 lbf), PP 1100 N (247 lbf)

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

= Single Link

Accessories

Rubber Top

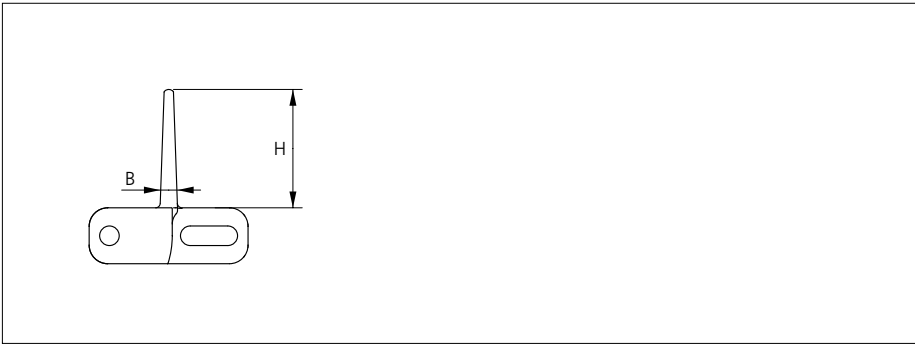
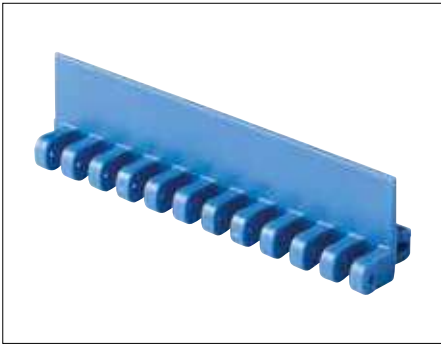


Type	Belt material & color	Rubber material, hardness & color	V	
			mm	in
Curved	PP B	TPE-S Shore A60 K	3.0	0.12

uni Flex ASB Rubber Top Radius 2.2: Indent min. 44.0 mm (1.73 in) and Increment 12.7 mm (0.50 in).

Accessories

Flight



Type	Flight Material & color	B		H		Link size	Width	
		mm	in	mm	in		mm	in
Flat	POM-D B	3.7	0.15	25.4	1.00	K600	151.0	5.94

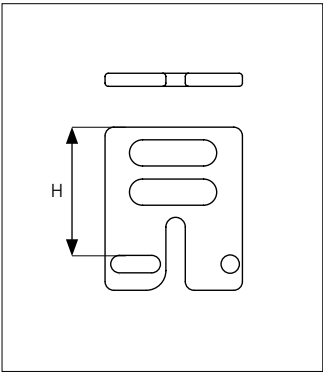
Min. indent for Flight is: 44.0 mm (1.73 in) and Increment 12.7 mm (0.50 in).
Non Standard material and color: See uni Material and Color Overview.

Accessories

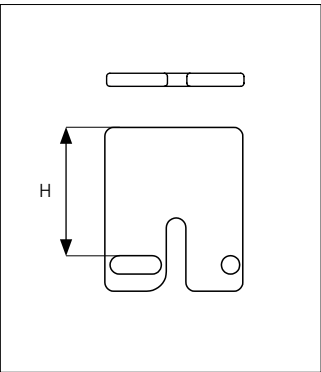
Side Guard



Side Guard Open



Side Guard Closed

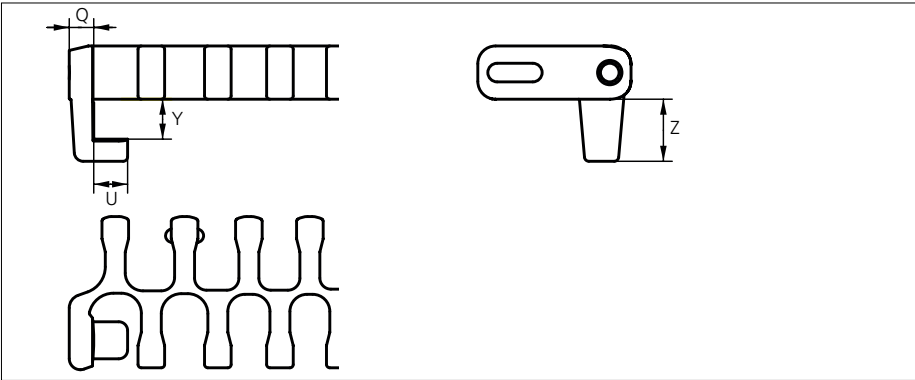
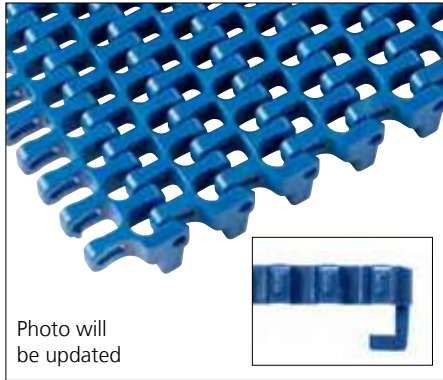


Type	Side Guard Material & color	H	
		mm	in
Side Guard Closed	POM-D B	25.4	1.00
Side Guard Open			

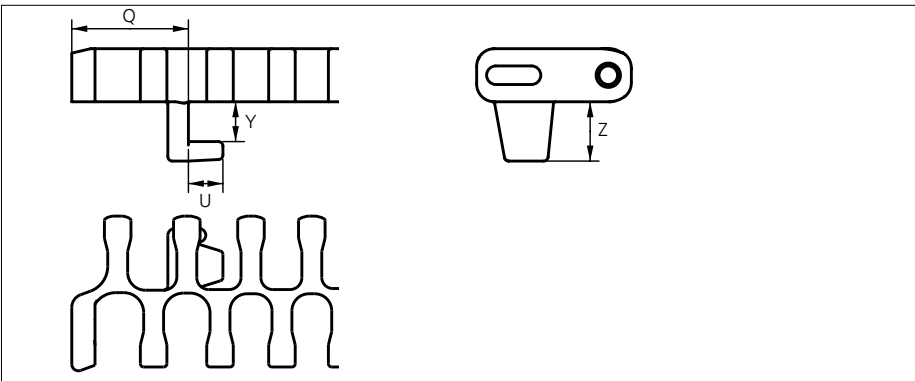
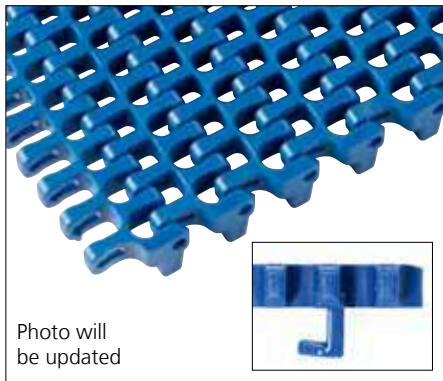
Min. indent for Side Guard is: 44.0 mm (1.73 in) and Increment 12.7 mm (0.50 in).
Non Standard material and color: See uni Material and Color Overview.

Accessories

Bottom Tab



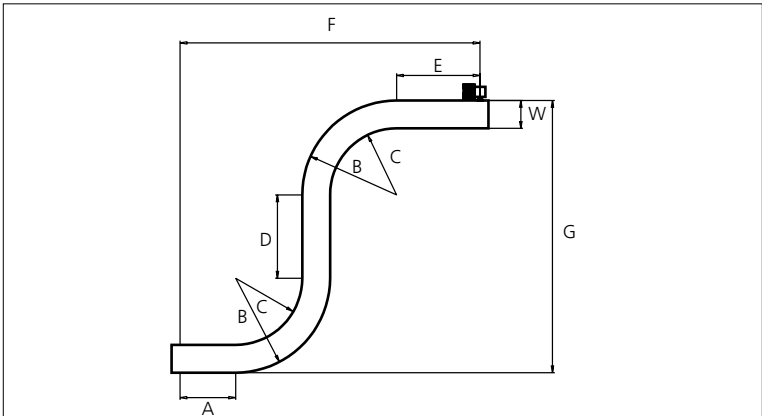
Bottom Tab IL Style



Type	Tab Material & color	Q		U		Y		Z	
		mm	in	mm	in	mm	in	mm	in
Bottom Tab	POM-D B	5.5	0.22	7.5	0.30	9.0	0.35	14.0	0.55
Bottom Tab IL Style	POM-D B	26.5	1.04	7.8	0.30	9.0	0.35	13.4	0.53

Non Standard material and color: See uni Material and Color Overview.
 Tab position is available **only** at Radius 2.2.

Design Guidelines



	uni Flex ASB R2.2	uni Flex ASB R1.6 (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

uni Flex ASB 43% Open Radius 1.6 can not be used in conveyors with both left and right turning curves.

All curves have to turn in the same direction. For min. conveyor dimensions please refer to sketch and diagram.

Accessories

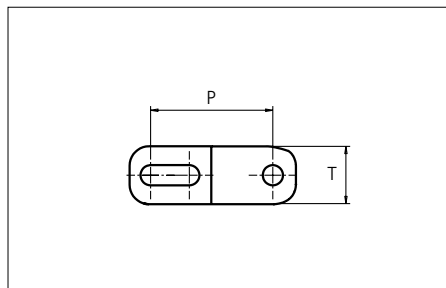
Non Standard uni AmFlight



Other Non Standard option: See uni AmFlight Overview.

Plastic Modular Belt

Series **uni Flex ASB** Type **43% Open (Radius 2.2)**



Sideflexing belt
Nominal pitch: 25.4 mm (1.00 in)
Surface type: Flat
Surface opening: 43%
Backflex radius: 25.0 mm (0.98 in)
Pin diameter: 4.0 mm (0.16 in)
Min. inside radius: 2.2 x belt width

Belt material & color	POM-D W B	PP W B G	mm	in
Pin and lock material & color	PA6.6 B		P (Nominal)	25.4
			T	12.0
				0.47

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			
149	5.9	2801	630	1200	270	1863	419	720	162	1.2	0.82	0.8	0.52	2	2	2
162	6.4	3046	685	1200	270	2025	455	720	162	1.3	0.89	0.8	0.57	2	2	2
226	8.9	4249	955	1200	270	2825	635	720	162	1.9	1.25	1.2	0.79	2	2	2
302	11.9	5678	1276	1600	360	3775	849	960	216	2.5	1.66	1.6	1.06	3	3	2
379	14.9	7125	1602	1600	360	4738	1065	960	216	3.1	2.09	2.0	1.32	3	3	2
455	17.9	8554	1923	1600	360	5688	1279	960	216	3.7	2.51	2.4	1.59	5	4	2
531	20.9	9983	2244	2040	459	6638	1492	1224	275	4.4	2.93	2.8	1.86	5	4	2
608	23.9	11430	2570	2040	459	7600	1708	1224	275	5.0	3.35	3.2	2.12	5	5	3
684	26.9	12859	2891	2040	459	8550	1922	1224	275	5.6	3.77	3.6	2.39	5	5	3
761	30.0	14307	3216	2040	459	9513	2138	1224	275	6.2	4.19	4.0	2.66	7	6	3
837	33.0	15736	3537	2040	459	10463	2352	1224	275	6.9	4.61	4.4	2.93	7	6	3
914	36.0	17183	3863	2040	459	11425	2568	1224	275	7.5	5.04	4.8	3.19	7	7	4

Additional standard belt widths are available in steps of 76.4 mm (3.01 in). Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in).

1449	57.0	27241	6124	2040	459	18113	4072	1224	275	11.9	7.99	7.5	5.06	11	10	5
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Additional standard belt widths are available in steps of 76.4 mm (3.01 in). Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in).

1984	78.1	37299	8385	2040	459	24800	5575	1224	275	16.3	10.93	10.3	6.93	15	14	7
------	------	-------	------	------	-----	-------	------	------	-----	------	-------	------	------	----	----	---

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 2000 N (450 lbf), PP 1100 N (247 lbf)

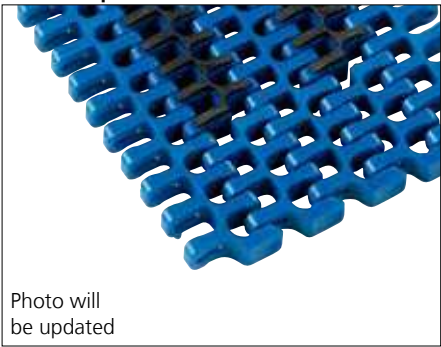
**Max. Spacing between wear strips, Carry: 152.0 mm (6.00 in); Return: 304.0 mm (12.00 in)

Max. Belt width with Flex ASB R1.6: 1296.0 mm (51.00 in)

 = Single Link

Accessories

Rubber Top

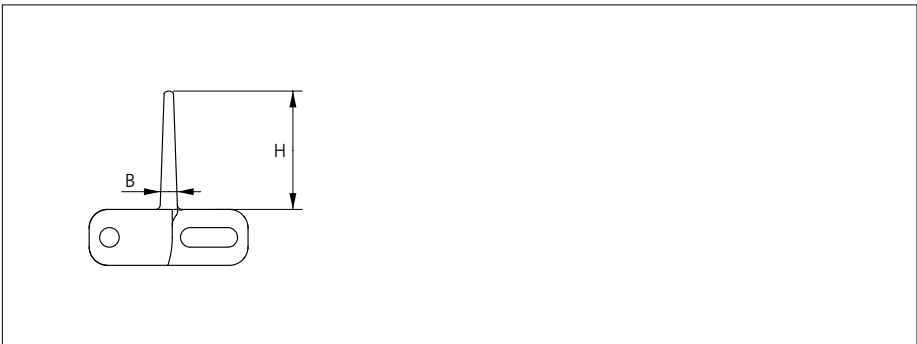
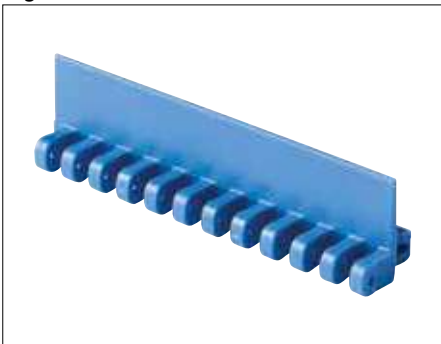


Type	Belt material & color	Rubber material, hardness & color	V	
			mm	in
Curved	PP B	TPE-S Shore A60 K	3.0	0.12
	PP W	TPE-S Shore A60 N		

uni Flex ASB Rubber Top Radius 2.2: Indent min. 44.0 mm (1.73 in) and Increment 12.7 mm (0.50 in).

Accessories

Flight



Type	Flight Material & color	B		H		Link size	Width	
		mm	in	mm	in		mm	in
Flat	POM-D B W	3.7	0.15	25.4	1.00	K600	151.0	5.94

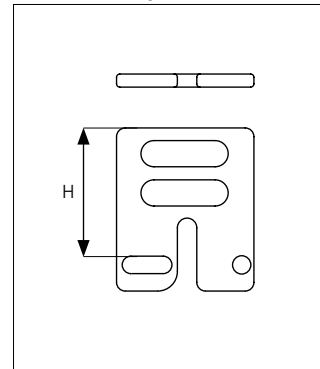
Min. indent for Flight is: 44.0 mm (1.73 in) and Increment 12.7 mm (0.50 in).
Non Standard material and color: See uni Material and Color Overview.

Accessories

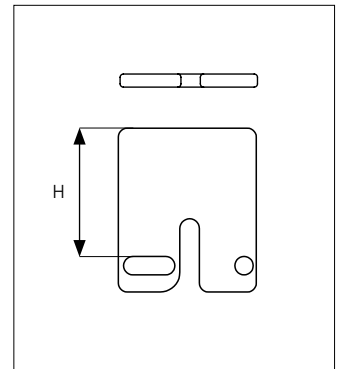
Side Guard



Side Guard Open



Side Guard Closed

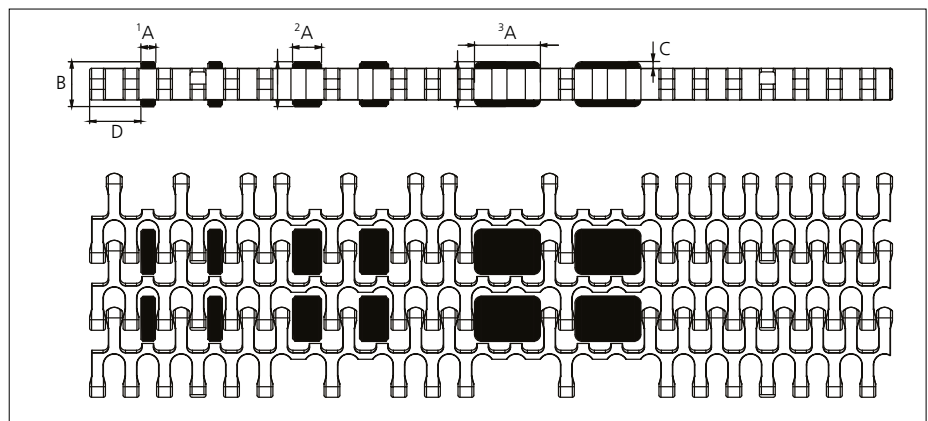
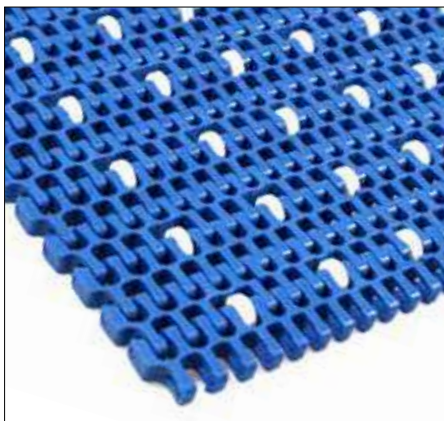


Type	Side Guard Material & color	H	
		mm	in
Side Guard Closed	POM-D B	25.4	1.00
Side Guard Open			

Min. indent for Side Guard is: 44.0 mm (1.73 in) and Increment 12.7 mm (0.50 in).
Non Standard material and color: See uni Material and Color Overview.

Accessories

Roller



Type	Roller material & color	A		B		C		D*	
		mm	in	mm	in	mm	in	mm	in
Plastic	POM-D W	¹ 5.5	0.22	17.0	0.67	2.50	0.10	57.3	2.26
		² 11.0	0.43						
		³ 25.0	0.98						

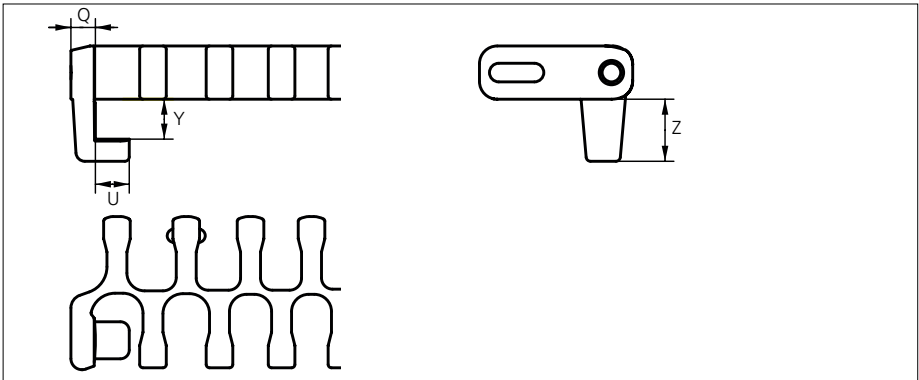
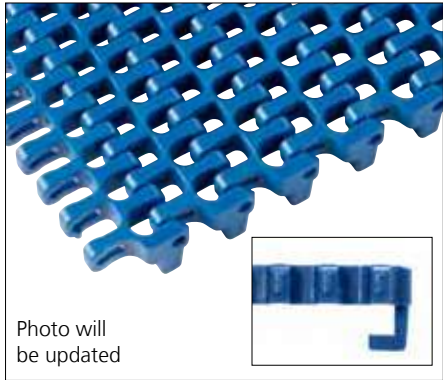
Non standard Roller material and color: See uni Material and Color Overview.

Rollers can be placed with steps of 12.7 mm (0.5 in).

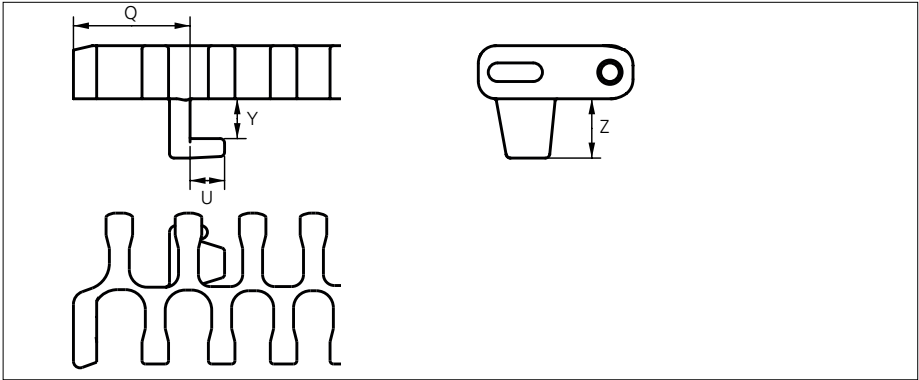
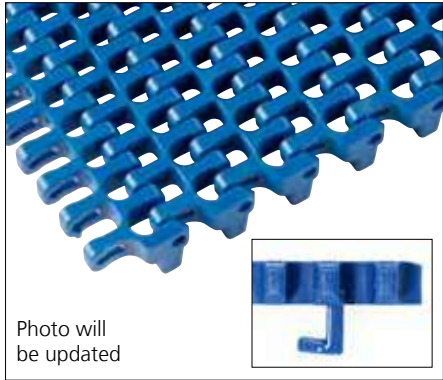
*D = 57.3 mm (2.26 in) is minimum for collapse factor 2.2. Absolute min D is 44.6 mm (1.76 in) but collapse factor will then be bigger than 2.2.

Accessories

Bottom Tab



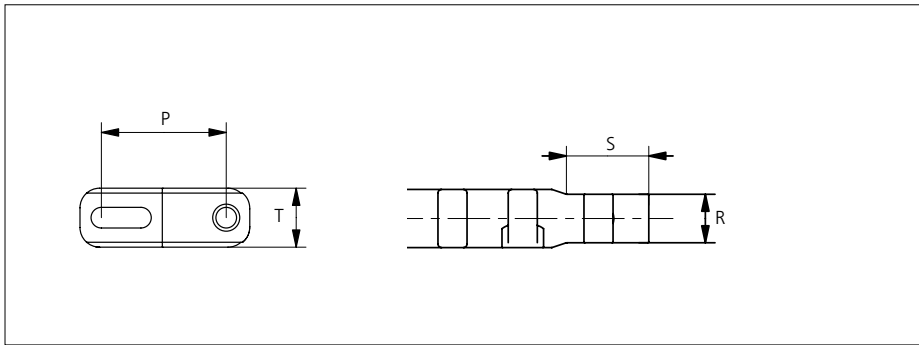
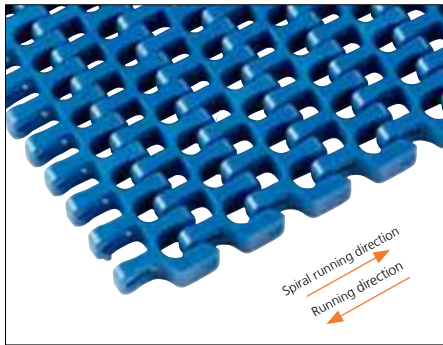
Bottom Tab IL Style



Type	Tab Material & color		Q		U		Y		Z			
			mm	in	mm	in	mm	in	mm	in		
Bottom Tab	POM-D	B W	PP	B W	5.5	0.22	7.5	0.30	9.0	0.35	14.0	0.55
Bottom Tab IL Style	POM-D	B W	PP	B W	26.5	1.04	7.8	0.30	9.0	0.35	13.4	0.53

Accessories

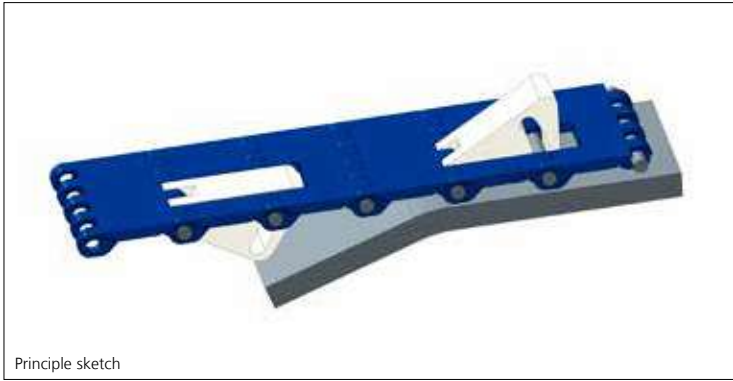
Edge Tab – NON STANDARD



Type	Recommended Edge Tab Material & color		P		R		S		T	
			mm	in	mm	in	mm	in	mm	in
Edge Tab	POM-D	B W	25.4	1.00	10.0	0.39	16.0	0.63	12.0	0.47

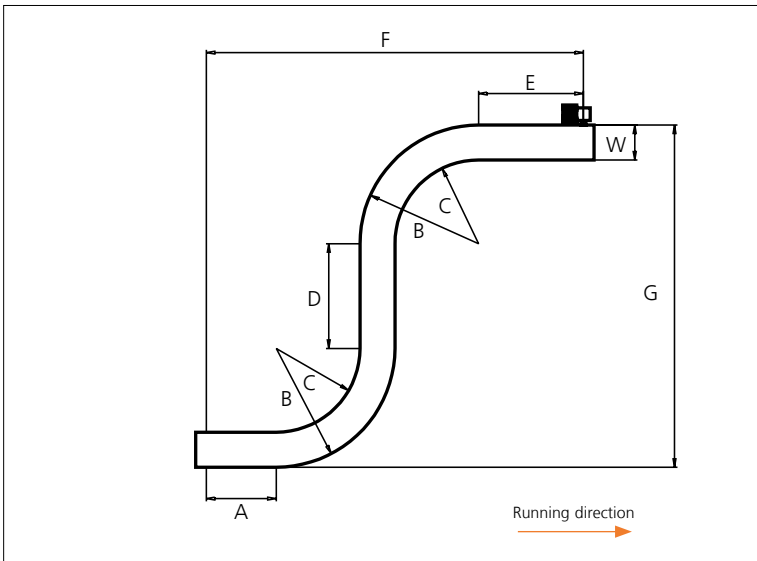
Min. indent for Flight is: 44.0 mm (1.73 in) and Increment 12.7 mm (0.50 in).
Non Standard material and color: See uni Material and Color Overview.

Accessories
Non Standard uni AmFlight



Other Non Standard option: See uni AmFlight Overview.

Design Guidelines

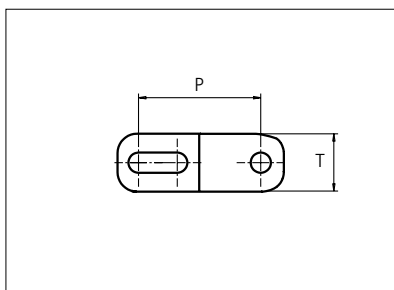
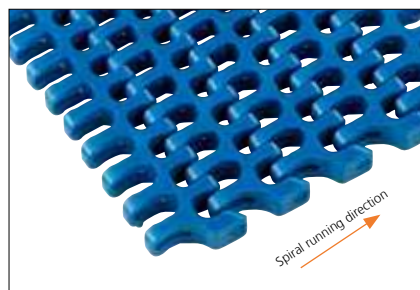


For min. conveyor dimensions please refer to sketch and diagram.

	uni Flex ASB R2.2
A	min. 1.5 x W
B	min. 3.2 x W
C	min. 2.2 x W
D	min. 2.0 x W
E	min. 2.0 x W
F	min. 8.9 x W
G	min. 8.4 x W

Plastic Modular Belt

Series **uni Flex ASB** Type **43% Open (Radius 2.5/3.0/3.5/4.0)**



Sideflexing belt
Nominal pitch: 25.4 mm (1.00 in)
Surface type: Flat
Surface opening: 43%
Backflex radius: 25.0 mm (0.98 in)
Pin diameter: 4.0 mm (0.16 in)
Min. inside radius: 2.5 / 3.0 / 3.5 / 4.0 x belt width

Recommended Belt material & color	POM-D B	mm	in
Recommended Pin material & color	PA6.6 B	P (Nominal) 25.4	1.00
		T 12.0	0.47

Other 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			
149	5.9	2801	630	1200	270	1863	419	720	162	1.2	0.82	0.8	0.52	2	2	2
226	8.9	4249	955	1200	270	2825	635	720	162	1.9	1.25	1.2	0.79	2	2	2
302	11.9	5678	1276	1200	270	3775	849	720	162	2.5	1.66	1.6	1.06	3	3	2
379	14.9	7125	1602	1200	270	4738	1065	720	162	3.1	2.09	2.0	1.32	3	3	2
455	17.9	8554	1923	1200	270	5688	1279	720	162	3.7	2.51	2.4	1.59	5	4	2
531	20.9	9983	2244	1600	360	6638	1492	960	216	4.4	2.93	2.8	1.86	5	4	2
608	23.9	11430	2570	1600	360	7600	1708	960	216	5.0	3.35	3.2	2.12	5	5	3
531	20.9	9983	2244	2040	459	6638	1492	1224	275	4.4	2.93	2.8	1.86	5	4	2
608	23.9	11430	2570	2040	459	7600	1708	1224	275	5.0	3.35	3.2	2.12	5	5	3
684	26.9	12859	2891	2040	459	8550	1922	1224	275	5.6	3.77	3.6	2.39	5	5	3
761	30.0	14307	3216	2040	459	9513	2138	1224	275	6.2	4.19	4.0	2.66	7	6	3
837	33.0	15736	3537	2040	459	10463	2352	1224	275	6.9	4.61	4.4	2.93	7	6	3

Additional standard belt widths are available in steps of 76.4 mm (3.01 in). Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in).

1449	57.0	27241	6124	2040	459	18113	4072	1224	275	11.9	7.99	7.5	5.06	11	10	5
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Additional standard belt widths are available in steps of 76.4 mm (3.01 in). Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in).

1984	78.1	37299	8385	2040	459	24800	5575	1224	275	16.3	10.93	10.3	6.93	15	14	7
------	------	-------	------	------	-----	-------	------	------	-----	------	-------	------	------	----	----	---

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 2000 N (450 lbf), PP 1100 N (247 lbf).

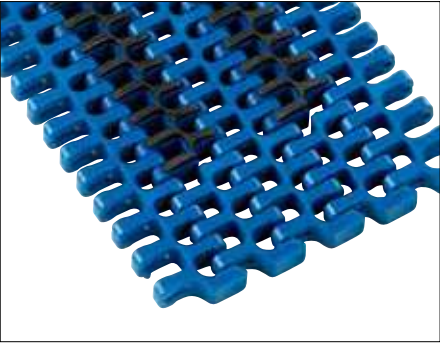
**Max. Spacing between wear strips, Carry: 152.0 mm (6.00 in); Return: 304.0 mm (12.00 in).

Max. Belt width with Flex ASB R1.6: 1296.0 mm (51.00 in).

= Single Link

Accessories

Rubber Top



Type	Recommended belt materials and colors	Recommended pin materials and colors	V	
			mm	in
43% Open Rubber Top Radius 2.2	PP B + 03 K	PA6.6 B	3.0	0.12

Min. indent for Rubber Top inside and outside in the belt is 44.0 mm (1.73 in).

Accessories

Flight



Type	Flight Material & color	B		H		Link size	Width	
		mm	in	mm	in		mm	in
Flat	POM-D B W	3.7	0.15	25.4	1.00	K600	151.0	5.94

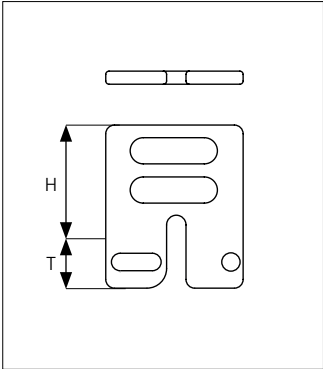
Non Standard material and color: See uni Material and Color Overview.

Accessories

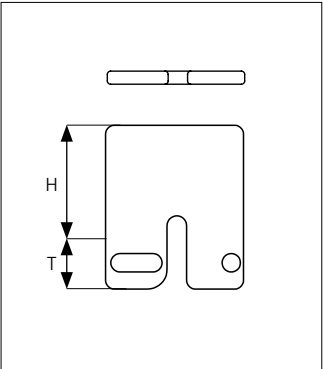
Side Guard



Side Guard Open



Side Guard



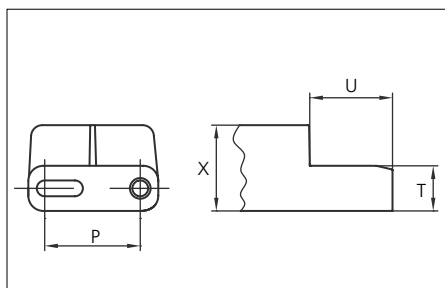
Type	Side Guard Material & color	H		T	
		mm	in	mm	in
Side Guard	POM-D B	25.4	1.00	12.0	0.47
Side Guard Open					

Min. indent for Side Guard is: 44.0 mm (1.73 in) and Increment 12.7 mm (0.50 in).
Non Standard material and color: See uni Material and Color Overview.

Plastic Modular Belt

Series **uni Flex ASB**

Type **43% Open Top (Radius 2.2)**



Sideflexing belt
Nominal pitch: 25.4 mm (1.00 in)
Surface type: Top
Surface opening: 43%
Backflex radius: 30.0 mm (1.18 in)
Pin diameter: 4.0 mm (0.16 in)
Min. inside radius: R2.2 x belt width

Belt material & color	POM-D W B	PP B		mm	in		mm	in
			P (Nominal)	25.4	1.00	U	22.0	0.87
Pin and lock material & color	 PA6.6 B		T	12.0	0.47	X	22.8	0.90

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

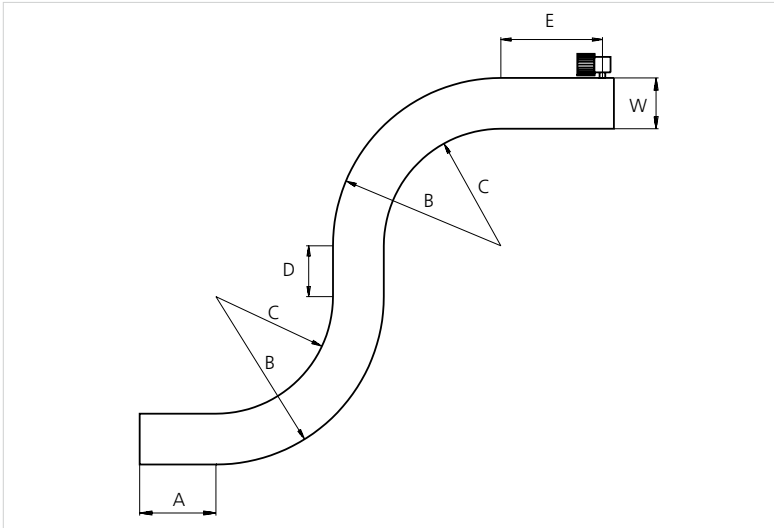
Alternative pin and lock systems and materials: Contact Customer Service.

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			
149	5.9	2801	630	1200	270	1863	419	720	162	2.5	1.70	1.6	1.08	2	2	2
226	8.9	4249	955	1200	270	2825	635	720	162	3.8	2.58	2.4	1.64	2	2	2
302	11.9	5678	1276	1200	270	3775	849	720	162	5.1	3.45	3.3	2.19	3	2	2
379	14.9	7125	1602	1200	270	4738	1065	720	162	6.4	4.33	4.1	2.75	3	2	2
455	17.9	8554	1923	1200	270	5688	1279	720	162	7.7	5.20	4.9	3.30	5	2	2
531	20.9	9983	2244	1600	360	6638	1492	960	216	9.0	6.07	5.7	3.85	5	2	2
608	23.9	11430	2570	1600	360	7600	1708	960	216	10.3	6.95	6.6	4.41	5	2	2
531	20.9	9983	2244	2040	459	6638	1492	1224	275	9.0	6.07	5.7	3.85	5	3	3
608	23.9	11430	2570	2040	459	7600	1708	1224	275	10.3	6.95	6.6	4.41	5	3	3
684	26.9	12859	2891	2040	459	8550	1922	1224	275	11.6	7.81	7.4	4.96	5	3	3
761	30.0	14307	3216	2040	459	9513	2138	1224	275	12.9	8.69	8.2	5.52	7	3	3
837	33.0	15736	3537	2040	459	10463	2352	1224	275	14.2	9.56	9.0	6.08	7	3	3
914	36.0	17183	3863	2040	459	11425	2568	1224	275	15.5	10.44	9.9	6.63	7	3	3
990	39.0	18612	4184	2040	459	12375	2782	1224	275	16.8	11.31	10.7	7.19	7	3	3
1066	42.0	20041	4505	2040	459	13325	2995	1224	275	18.1	12.18	11.5	7.74	9	3	3

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 2000 N (450 lbf), PP 1100 N (247 lbf).

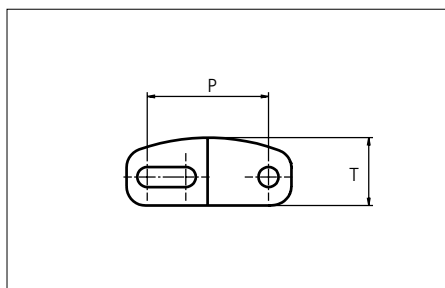
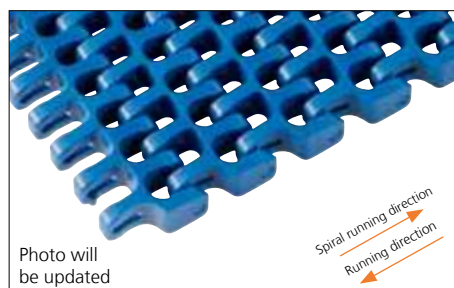
Design Guidelines



	43% Open Top 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

Plastic Modular Belt

Series **uni Flex ASB** Type **43% Open Curved Surface (Radius 2.2)**



Sideflexing belt
Nominal pitch: 25.4 mm (1.00 in)
Surface type: Curved Surface
Surface opening: 43%
Backflex radius: 25.0 mm (0.98 in)
Pin diameter: 4.0 mm (0.16 in)
Min. inside radius: 2.2 x belt width

Belt material & color	POM-D W B	mm	in
Pin and lock material & color	PA6.6 B	P (Nominal)	25.4
		T	14.2
			0.56

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				POM-D/PA6.6			**Carry (pcs)	**Return (pcs)
		Straight sections		Curve sections						
mm	in	N	lbf	N	lbf	kg/m	lb/ft			
149	5.9	2801	630	1200	270	1.2	0.83	2	2	2
226	8.9	4249	955	1200	270	1.9	1.26	2	2	2
302	11.9	5678	1276	1200	270	2.5	1.68	3	3	2
379	14.9	7125	1602	1200	270	3.1	2.11	3	3	2
455	17.9	8554	1923	1200	270	3.8	2.54	5	4	2
531	20.9	9983	2244	1600	360	4.4	2.96	5	4	2
608	23.9	11430	2570	1600	360	5.0	3.39	5	5	3
684	26.9	12859	2891	2040	459	5.7	3.82	5	5	3
761	30.0	14307	3216	2040	459	6.3	4.24	7	6	3
837	33.0	15736	3537	2040	459	6.9	4.67	7	6	3
914	36.0	17183	3863	2040	459	7.6	5.10	7	7	4
990	39.0	18612	4184	2040	459	8.2	5.52	7	7	4

Additional standard belt widths are available in steps of 76.4 mm (3.01 in). Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in).

1449	57.0	27241	6124	2040	459	11.9	7.99	11	10	5
------	------	-------	------	------	-----	------	------	----	----	---

Additional standard belt widths are available in steps of 76.4 mm (3.01 in). Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in).

1984	78.1	37299	8385	2040	459	16.3	10.93	15	14	7
------	------	-------	------	------	-----	------	-------	----	----	---

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.

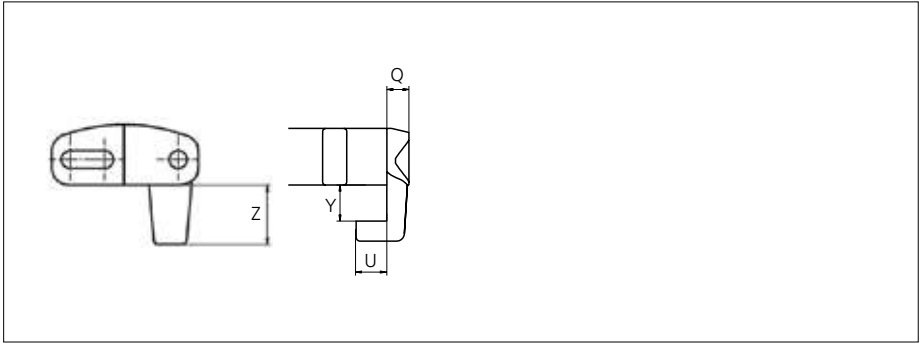
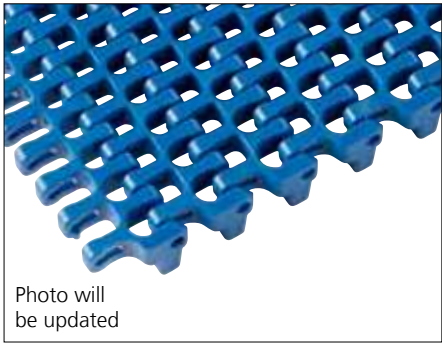
*Max. Load per Drive Sprocket. Belt material: POM-D 2000 N (450 lbf).

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

 = Single Link

Accessories

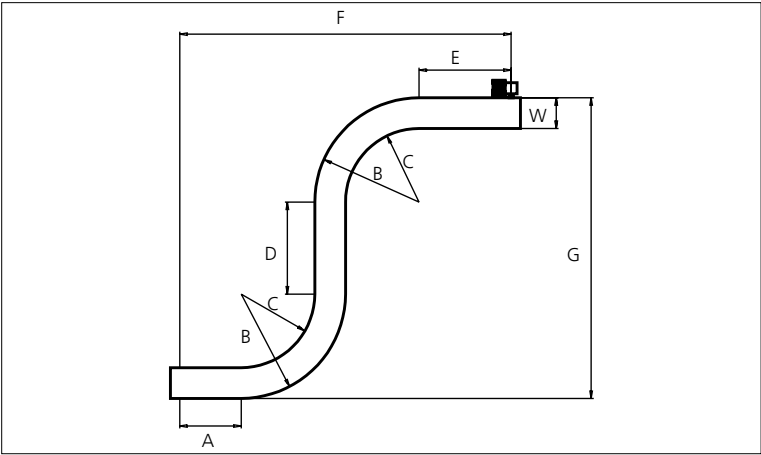
Bottom Tab



Type	Tab Material & color	Q		U		Y		Z	
		mm	in	mm	in	mm	in	mm	in
Bottom Tab	POM-D B W	5.5	0.22	7.5	0.30	9.0	0.35	14.0	0.55

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

Design Guidelines

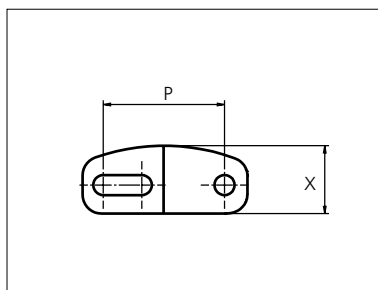
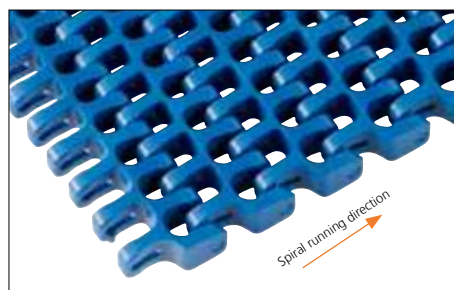


For min. conveyor dimensions please refer to sketch and diagram.

	uni Flex ASB Curved Surface R2.2
A	min. 1.5 x W
B	min. 3.2 x W
C	min. 2.2 x W
D	min. 2.0 x W
E	min. 2.0 x W
F	min. 8.9 x W
G	min. 8.4 x W

Plastic Modular Belt

Series **uni Flex ASB** Type **43% Open CS (Radius 2.5/3.0/3.5/4.0)**



Sideflexing belt
 Nominal pitch: 25.4 mm (1.00 in)
 Surface type: Curved Surface
 Surface opening: 43%
 Backflex radius: 25.0 mm (0.98 in)
 Pin diameter: 4.0 mm (0.16 in)
 Min. inside radius: 2.5 / 3.0 / 3.5 / 4.0 x belt width
 Curved surface makes perfect circle when Z9 tooth sprocket or 95 mm (3.74 in) flex diameter is applied.

Recommended Belt material & color	POM-D B		mm	in
Recommended Pin material & color	PA6.6 B	P (Nominal)	25.4	1.00
		X	14.2	0.56

Other 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			
149	5.9	2801	630	1200	270	1863	419	720	162	1.2	0.82	0.8	0.52	2	2	2
226	8.9	4249	955	1200	270	2825	635	720	162	1.9	1.25	1.2	0.79	2	2	2
302	11.9	5678	1276	1200	270	3775	849	720	162	2.5	1.66	1.6	1.06	3	3	2
379	14.9	7125	1602	1200	270	4738	1065	720	162	3.1	2.09	2.0	1.32	3	3	2
455	17.9	8554	1923	1200	270	5688	1279	720	162	3.7	2.51	2.4	1.59	5	4	2
531	20.9	9983	2244	1600	360	6638	1492	960	216	4.4	2.93	2.8	1.86	5	4	2
608	23.9	11430	2570	1600	360	7600	1708	960	216	5.0	3.35	3.2	2.12	5	5	3
531	20.9	9983	2244	2040	459	6638	1492	1224	275	4.4	2.93	2.8	1.86	5	4	2
608	23.9	11430	2570	2040	459	7600	1708	1224	275	5.0	3.35	3.2	2.12	5	5	3
684	26.9	12859	2891	2040	459	8550	1922	1224	275	5.6	3.77	3.6	2.39	5	5	3
761	30.0	14307	3216	2040	459	9513	2138	1224	275	6.2	4.19	4.0	2.66	7	6	3
837	33.0	15736	3537	2040	459	10463	2352	1224	275	6.9	4.61	4.4	2.93	7	6	3

Additional standard belt widths are available in steps of 76.4 mm (3.01 in). Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in).

1449	57.0	27241	6124	2040	459	18113	4072	1224	275	11.9	7.99	7.5	5.06	11	10	5
------	------	-------	------	------	-----	-------	------	------	-----	------	------	-----	------	----	----	---

Additional standard belt widths are available in steps of 76.4 mm (3.01 in). Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in).

1984	78.1	37299	8385	2040	459	24800	5575	1224	275	16.3	10.93	10.3	6.93	15	14	7
------	------	-------	------	------	-----	-------	------	------	-----	------	-------	------	------	----	----	---

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.

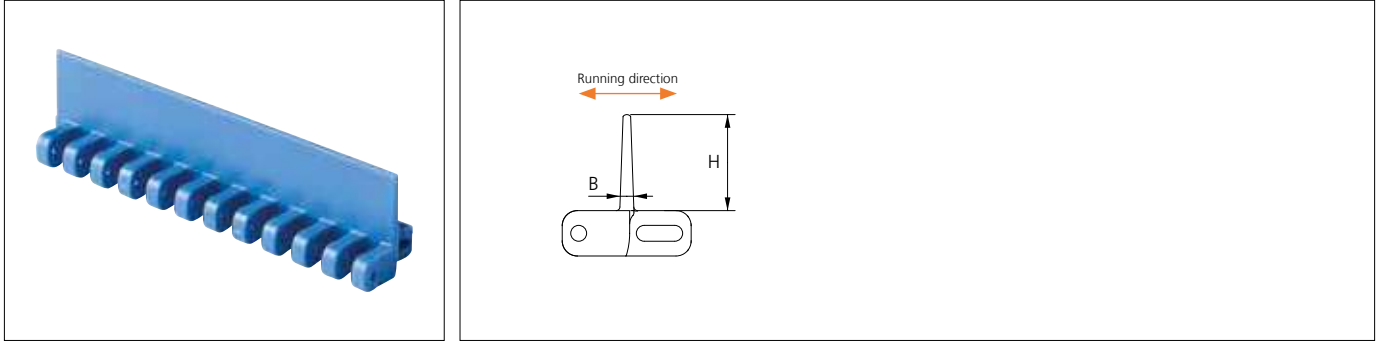
*Max. Load per Drive Sprocket. Belt material: POM-D 2000 N (450 lbf), PP 1100 N (247 lbf).

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

Max. Belt width with Flex ASB R1.6: 1296.0 mm (51.00 in).

 = Single Link

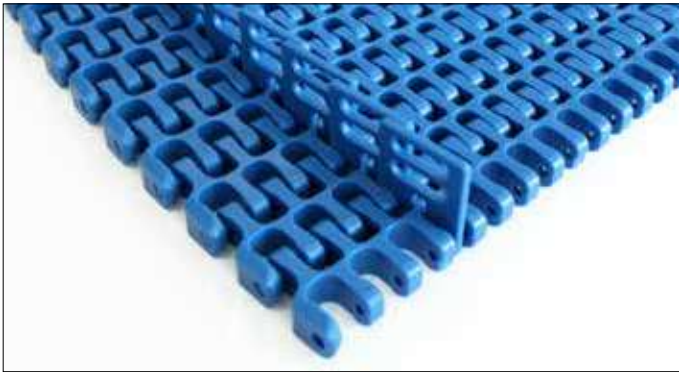
Accessories
Flight



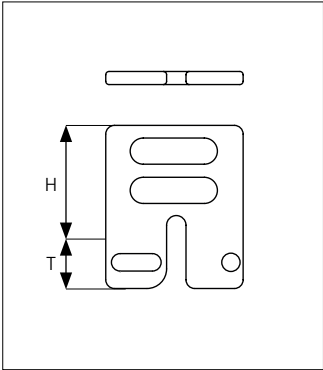
Type	Recommended Material & color	B		H		Link size	Width		I (min)	
		mm	in	mm	in		mm	in	mm	in
Flat	POM-D B	3.7	0.15	25.4	1.00	K600	151.0	5.94	38.1	1.50

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

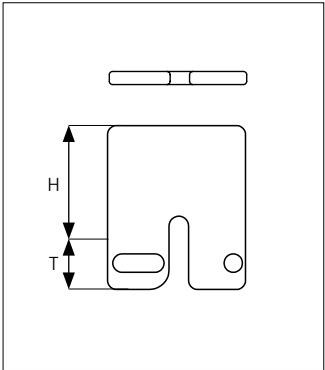
Accessories
Side Guard



Side Guard Open



Side Guard

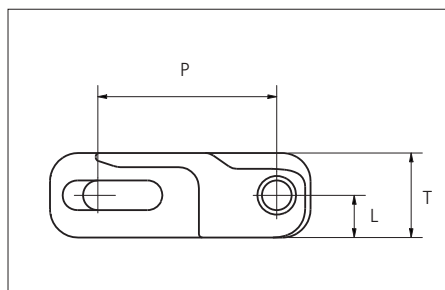
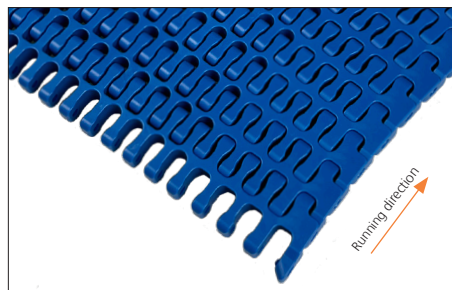


Type	Side Guard Material & color	H	
		mm	in
Side Guard Closed	POM-D B	25.4	1.00
Side Guard Open			

Min. indent for Side Guard is: 44.0 mm (1.73 in) and Increment 12.7 mm (0.50 in).
Non Standard material and color: See uni Material and Color Overview.

Plastic Modular Belt

Series **uni Flex ASB** Type **43% Open HDE** Heavy duty edge (Radius 1.7)



Sideflexing belt
Nominal pitch: 25.4 mm (1.00 in)
Surface type: Flat
Surface opening: 43%
Backflex radius: 25.0 mm (0.98 in)
Pin diameter: 4.0 mm (0.16 in)
Inside radius: 1.7 x belt width

Belt material & color	POM-D B	mm	in
Pin and lock material & color	PA6.6 B	P (Nominal)	25.4
		T	12.0
			0.47

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				POM-D/PA6.6			**Carry (pcs)	**Return (pcs)
		Straight sections		Curve sections						
mm	in	N	lbf	N	lbf	kg/m	lb/ft			
148	5.8	2782	625	2250	506	1.3	0.89	2	2	2
225	8.9	4230	951	2250	506	2.0	1.35	2	2	2
301	11.9	5659	1272	2250	506	2.7	1.80	3	3	2
378	14.9	7106	1598	2250	506	3.4	2.26	3	3	2
454	17.9	8535	1919	2250	506	4.0	2.72	5	4	2
530	20.9	9964	2240	2250	506	4.7	3.17	5	4	2
607	23.9	11412	2565	2250	506	5.4	3.63	5	5	3
683	26.9	12840	2887	2250	506	6.1	4.09	5	5	3
760	29.9	14288	3212	2250	506	6.8	4.55	7	6	3
836	32.9	15717	3533	2250	506	7.4	5.00	7	6	3
912	35.9	17146	3854	2250	506	8.1	5.45	7	7	4
989	38.9	18593	4180	2250	506	8.8	5.92	7	7	4

Additional non-standard belt widths are available in steps of 12.7 mm (0.50 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 2000 N (450 lbf)

**Max. Spacing between wear strips, Carry: 152 mm (6 in) ; Return: 304 mm (12 in)

 = Single Link

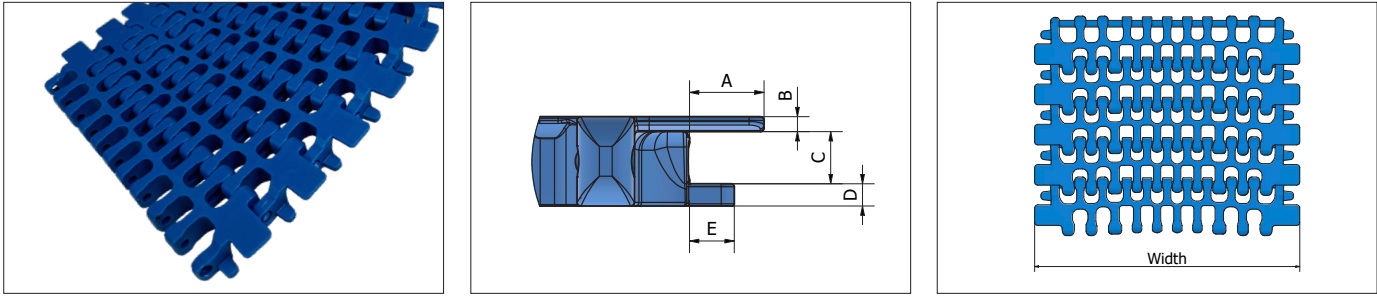
STANDARD

SIDE FLEXING

PITCH 25.4 MM/1.00 IN

Accessories

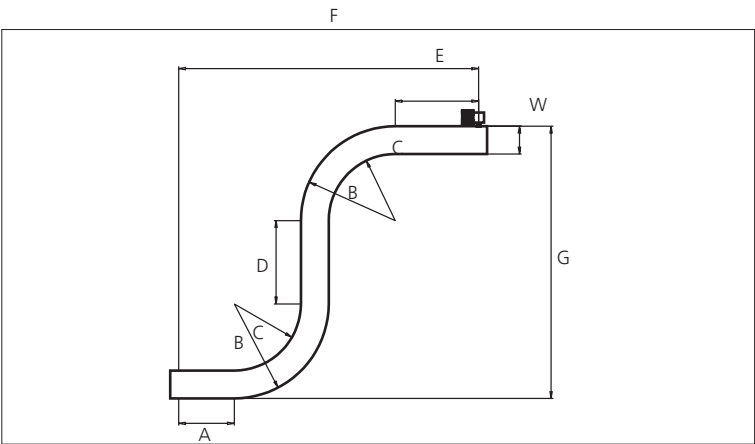
Tab / Single Link Only



Type	Tab Material & color	A		B		C		D		E		Width	
		mm	in	mm	in	mm	in	mm	in	mm	in	mm	in
C-Tab	POM-D B	10.0	0.39	2.0	0.08	7.0	0.28	3.0	0.12	6.0	0.24	167.4	6.59

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

Design Guidelines



	uni Flex ASB R1.7 (inside)
A	min 1,5 x W
B	2,7 x W
C	1,7 x W
D	min 2,0 x W
E	min 2,0 x W
F	min 7,9 x W
G	min 7,4 x W

Flex ASB 43% HDE can be used in conveyors with both left and right turning curves.
For min. conveyor dimensions please refer to sketch and diagram.

Sprocket

No. of teeth	Bore size										Overall diameter		Pitch diameter		Hub diameter		Dimension A		Dimension B		Double row/Two way	PA6 N
	Pilot Bore	in	0.79	0.98	1.00	1.18	1.25	1.50	1.57	2.36												
		mm	20.0	25.0	25.4	30.0	31.8	38.1	40.0	60.0	mm	in	mm	in	mm	in	mm	in				
Z07	✓		●	●	●					58.0	2.28	58.5	2.30	40.8	1.61	20.4	0.80	35.2	1.39	✓	✓	
Z09	✓			● ■	● ■	●	●			75.0	2.95	74.3	2.93	57.8	2.28	28.9	1.14	43.1	1.70	✓	✓	
Z12	✓			● ■	●	●	●	■		100.0	3.94	98.1	3.86	82.8	3.26	41.4	1.63	55.1	2.17	✓	✓	
Z15	✓				●	●	●	■	● ■	124.6	4.91	122.2	4.81	107.4	4.23	53.8	2.12	67.1	2.64	✓	✓	
Z18	✓					●	●	■	● ■	149.3	5.88	146.3	5.76	132.1	5.20	66.0	2.60	79.2	3.12	✓	✓	

■ Machined sprocket

● Machined sprocket



Other sprocket sizes are available upon request.

Other bore sizes on sprockets are available upon request.

Round bores are always delivered with keyway.

Max. load per sprocket shown does not take bore size into account.

Please also ensure that sufficient size shaft is chosen for corresponding load.

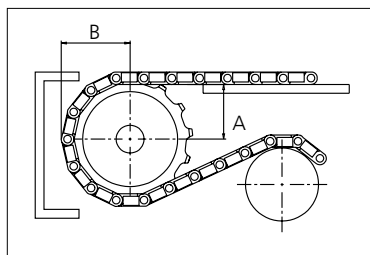
Width of tooth = Single row + double row: 7.0 mm (0.28 in)

Width of One-part sprocket = Double row: 30.0 mm (1.18 in)

uni UltraClean Two-Part Sprocket

No. of teeth	Bore size		Overall diameter		Pitch-diameter		Hub-diameter		Dimension A		Dimension B		Single row/Two way	Moulded	PAG	W
	in	1.57														
	mm	40.0	mm	in	mm	in	mm	in	mm	in	mm	in				
Z12			100.0	3.94	98.1	3.86	80.0	3.15	41.4	1.63	55.1	2.17				
Z15			124.6	4.91	122.2	4.81	80.0	3.15	53.8	2.12	67.1	2.64				
Z18			149.3	5.88	146.3	5.76	80.0	3.15	66.0	2.60	79.2	3.12				

■ Moulded uni UltraClean TwoPart Sprocket



Width of UltraClean Two-part sprocket = Single row: 44.0 mm (1.73 in)

Width of UltraClean Two-part tooth = Single double row: 7.0 mm (0.28 in)

uni Retainer Rings: See uni Retainer Ring data sheet.

For correct sprocket position: See uni Assembly Instructions for uni Flex ASB.

For more detailed sprocket information, contact Customer Service.