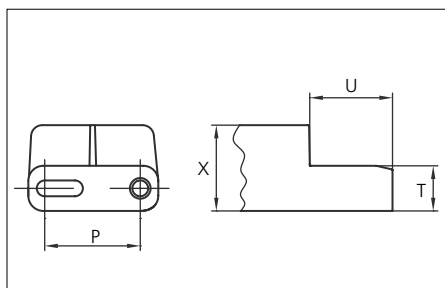




Plastic Modular Belt

Series **uni Flex ASB** Type **Top R2.2**



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 materials: Snap Pin A1: PP **W** 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								
mm	in	N	lbf	N	lbf	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft			
148	5.8	2782	625	1200	270	1850	416	720	162	2.5	1.69	1.6	1.07	2	2	2
301	11.9	5659	1272	1200	270	3763	846	720	162	5.1	3.44	3.3	2.18	3	2	2
378	14.9	7098	1596	1600	360	4719	1061	960	216	6.4	4.31	4.1	2.74	3	2	2
454	17.9	8536	1919	1600	360	5676	1276	960	216	7.7	5.19	4.9	3.30	5	2	2
531	20.9	9975	2242	2040	459	6632	1491	1224	275	9.0	6.06	5.7	3.85	5	2	2
607	23.9	11414	2566	2040	459	7589	1706	1224	275	10.3	6.94	6.6	4.41	5	2	2
684	26.9	12853	2889	2040	459	8546	1921	1224	275	11.6	7.81	7.4	4.96	5	3	3
760	29.9	14291	3213	2040	459	9502	2136	1224	275	12.9	8.68	8.2	5.52	7	3	3
837	32.9	15730	3536	2040	459	10459	2351	1224	275	14.2	9.56	9.0	6.07	7	3	3
913	36.0	17169	3860	2040	459	11416	2566	1224	275	15.5	10.43	9.9	6.63	7	3	3
990	39.0	18608	4183	2040	459	12372	2781	1224	275	16.8	11.31	10.7	7.18	7	3	3
1066	42.0	20046	4506	2040	459	13329	2996	1224	275	18.1	12.18	11.5	7.74	9	3	3

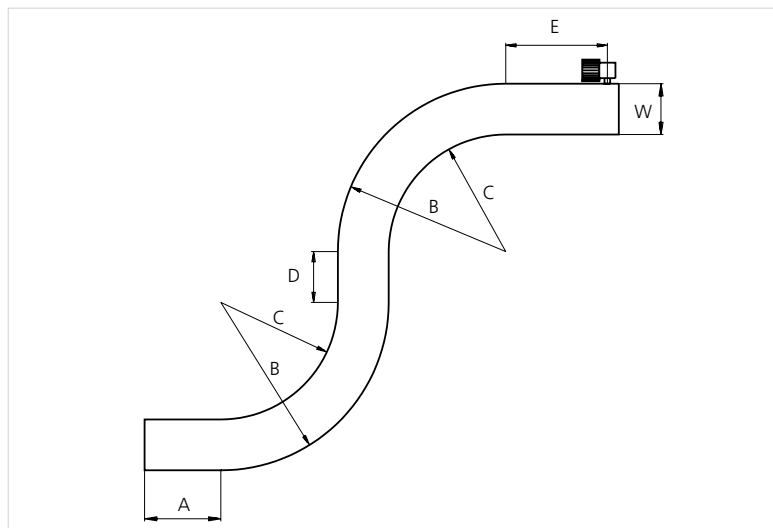
Additional standard belt widths are available in steps of 76.5 mm (3.01 in). Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in).

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: 610 mm (24 in); Return: 610 mm (24 in).

Design Guidelines



	uni Flex ASB Top R2.2
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

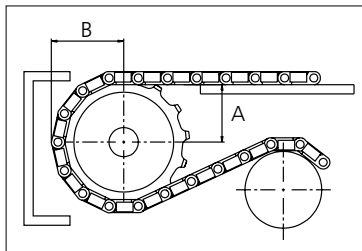
Sprocket

No. of teeth	Bore size												Overall diameter		Pitch diameter		Hub diameter		Dimension A		Dimension B		Single row/Two way	Double row/Two way	Molded	Machined
	Pilot Bore	in	0.75	0.79	0.98	1.00	1.18	1.25	1.50	1.57	2.36	2.50														
mm	19.1	20.0	25.0	25.4	30.0	31.8	38.1	40.0	60.0	63.5	90.0	mm	in	mm	in	mm	in	mm	in							
Z07	x			●	●	●	●						58.0	2.28	58.5	2.30	40.8	1.61	20.4	0.80	45.4	1.78		x		x
Z09	x				●	●	●	●					75.0	2.95	74.3	2.93	57.8	2.28	28.9	1.14	53.6	2.11		x		x
Z12	x				●	●	●	●	●				100.0	3.94	98.1	3.86	82.8	3.26	41.4	1.63	65.7	2.58		x		x
Z15	x					●	●	●	●	●	●	●	124.6	4.91	122.2	4.81	107.4	4.23	53.8	2.12	77.8	3.06		x		x
Z18	x						●	●	●	●	●	●	149.3	5.88	146.3	5.76	132.1	5.20	66.0	2.60	89.9	3.53		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 = 7.0 mm (0.28 in)

Width of sprocket = 30.0 mm (1.18 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 ASB.

For more detailed sprocket information, contact Customer Service.



Conveyor Belts



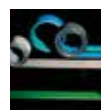
Seamless Belts



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Timing Belts



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