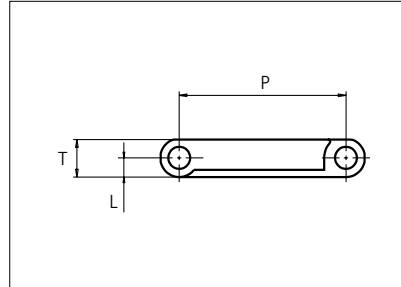
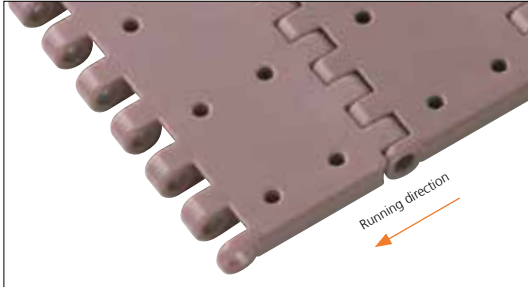




# Plastic Modular Belt

Serie **uni Light EP** Type **Vacuum**



Straight running belt  
 Nominal pitch: 38.1 mm (1.50 in)  
 Surface type: Flat  
 Surface opening: Closed  
 Backflex radius: 75.0 mm (3.0 in)  
 Pin diameter:  $\varnothing$ 3.2 mm (0.13 in)

<b>Recommended Belt material &amp; color</b>	POM-LF <b>BR</b>		<b>mm</b>	<b>in</b>		<b>mm</b>	<b>in</b>
<b>Recommended Pin and lock material &amp; color</b>	PP <b>W</b> PP <b>W</b>		<b>P (Nominal)</b>	38.1	1.50	<b>T</b>	8.5 0.33
			<b>L</b>	4.3	0.17	-	- -

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

Alternative materials: Belt: POM-LF and PE Pin: PP **W** PA6.6 **B** PE **W** PBT **LG** and SS304 PP **W** **B** **G** PP **W**

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		PE/PA6.6		POM-D/PA6.6		PP/PA6.6		PE/PA6.6			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft	kg/m	lb/ft			
102	4,0	1046	235	523	118	314	71	0,6	0,39	0,4	0,25	0,4	0,27	2	2	2
153	6,0	1568	353	784	176	470	106	0,9	0,59	0,6	0,38	0,6	0,41	2	2	2
204	8,0	2091	470	1046	235	627	141	1,2	0,78	0,8	0,51	0,8	0,55	2	2	2
255	10,0	2614	588	1307	294	784	176	1,5	0,98	0,9	0,63	1,0	0,69	2	2	2
306	12,0	3137	705	1568	353	941	212	1,7	1,17	1,1	0,76	1,2	0,82	3	3	2
357	14,1	3659	823	1830	411	1098	247	2,0	1,37	1,3	0,89	1,4	0,96	3	3	2
408	16,1	4182	940	2091	470	1255	282	2,3	1,56	1,5	1,01	1,6	1,10	3	3	2
459	18,1	4705	1058	2352	529	1411	317	2,6	1,76	1,7	1,14	1,8	1,23	4	4	2
510	20,1	5228	1175	2614	588	1568	353	2,9	1,95	1,9	1,27	2,0	1,37	4	4	2
561	22,1	5750	1293	2875	646	1725	388	3,2	2,15	2,1	1,39	2,2	1,51	4	4	2
612	24,1	6273	1410	3137	705	1882	423	3,5	2,34	2,3	1,52	2,4	1,65	5	5	3
663	26,1	6796	1528	3398	764	2039	458	3,8	2,54	2,5	1,65	2,7	1,78	5	5	3
714	28,1	7319	1645	3659	823	2196	494	4,1	2,74	2,6	1,78	2,9	1,92	5	5	3

Additional standard belt widths are available in steps of 50.9 mm (2.00 in.) Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in.)

1987	78,2	20367	4578	10183	2289	6110	1374	11,3	7,61	7,4	4,94	7,9	5,34	14	14	7
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Additional standard belt widths are available in steps of 50.9 mm (2.00 in.) Additional non-standard belt widths are available in steps of 12.7 mm (0.50 in.)

2955	116,3	30289	6809	15144	3404	9087	2043	16,8	11,32	10,9	7,35	11,8	7,94	20	20	10
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General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. 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 600 N (135 lbf), PE 600 N (135 lbf)

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



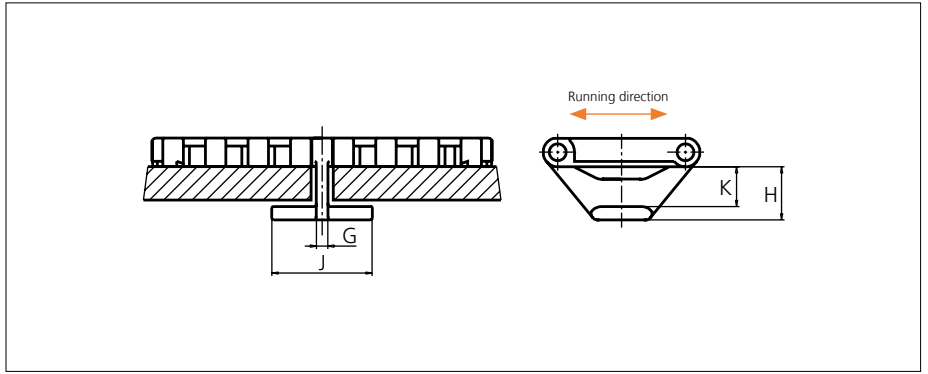
NON STANDARD

STRAIGHT RUNNING

PITCH 38.1 MM/1.50 IN

## Accessories

### Tab

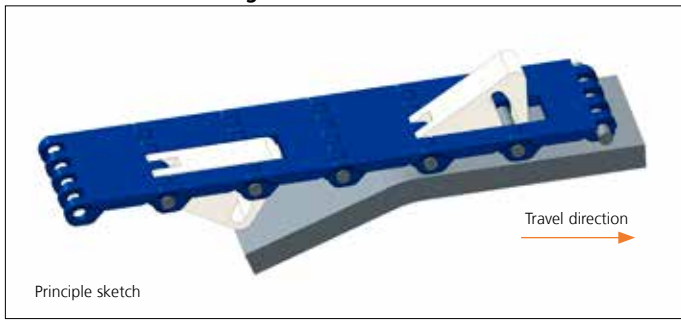


Type	Recommended Material & color	G		J		K		H	
		mm	in	mm	in	mm	in	mm	in
Bottom Hold Down	POM-D <b>W</b>	3.5	0.14	26.0	1.02	12.4	0.49	16.4	0.65

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

## Accessories

### Non Standard uni AmFlight



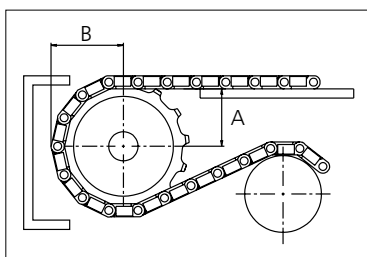
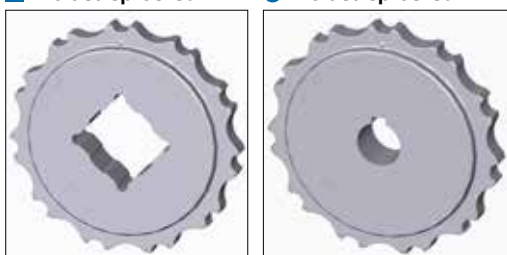
Other Non Standard option: See uni AmFlight Overview.

## Sprocket

No of teeth	Bore size													Overall diameter		Pitch-diameter		Hub-diameter		A-dimension		B-dimension		Single row/Two way	Double row/Two way	Molded PA6 LG	Machined PA6 N
	Pilot bore																										
	mm	in	0.75	0.78	0.98	1.00	1.18	1.25	1.50	1.57	2.36	2.50	3.54	mm	in	mm	in	mm	in	mm	in						
Z07						●	●	●					87.8	3.46	86.0	3.39	65.0	2.56	35.2	1.39	48.3	1.90	x		x		
Z09						●	●	●	■	●			111.4	4.39	110.6	4.35	90.0	3.54	48.0	1.89	60.0	2.36	x		x		
Z10						●	●	●	■	■	●		123.3	4.85	122.7	4.83	100.0	3.94	54.3	2.14	66.0	2.60	x		x		
Z11						●	●	●	■	■	■	●	135.2	5.32	135.0	5.31	110.0	4.33	60.5	2.38	72.0	2.83	x		x		
Z12						●	●	●	■	■	■	■	147.2	5.80	147.1	5.79	120.0	4.72	66.7	2.63	78.0	3.07	x		x		
Z15						●	●	●	■	■	■	■	183.2	7.21	183.5	7.22	120.0	4.72	85.3	3.36	96.0	3.78	x		x		

■ Molded sprocket

● Molded 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.

Round bores are always delivered with keyway.

Other bore sizes are available upon request.

uni Retainer Rings: See uni Retainer Ring data sheet

Width of tooth = 11.8 mm (0.47 in)

Width of sprocket = 23.2 mm (0.91 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 Light EP.

For more detailed sprocket information, contact Customer Service.



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