

# Ammeraal Beltech Modular

Innovative belt and chain solutions  
for every industry & application



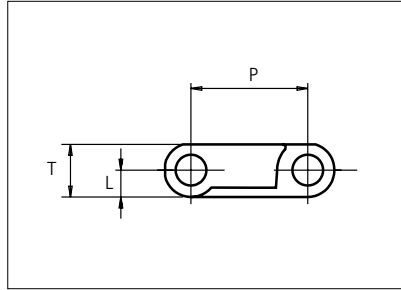
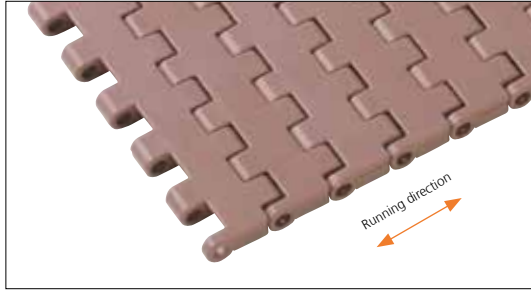
# Content

uni Light C	page 3 - 6
uni Light 10%	page 7 - 10
uni Light 22%	page 11 - 14
uni Light Rough	page 15 - 18
uni Light 10% SR	page 19 - 22
uni Light 18%	page 23 - 26
uni Light Rib	page 27 - 30
uni Light Vacuum	page 31 - 32



# Plastic Modular Belt

Series **uni Light** Type **C**



Straight running belt  
 Nominal pitch: 19.1 mm (0.75 in)  
 Surface type: Flat  
 Surface opening: Closed  
 Backflex radius: 25.0 mm (2.0 in)  
 Pin diameter:  $\varnothing$ 5.0 mm (0.20 in)

Belt material & color	POM-LF <b>BR</b>	PP <b>W G K</b>	PP <b>B</b>	PA6 <b>K</b>						
Pin and lock material & color	PP <b>W</b>	PP <b>W</b>	PP <b>B</b>	PBT-GR <b>N</b> PP <b>G</b>						
					<b>P (Nominal)</b>	<b>mm</b>	<b>in</b>	<b>T</b>	<b>mm</b>	<b>in</b>
						19.1	0.75	8.5	0.33	
					<b>L</b>	4.3	0.17	-	-	-

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

Alternative pin and lock materials: Pin: PE **W** PP **W** PA6.6 **N B** PBT **LG** SS304 PP **W** Lockpin: PBT **LG** PA6.6 **D N** PP **W B**

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-LF/PP		PP/PP		PA6/PBT-GR		POM-LF/PP		PP/PP		PA6/PBT-GR			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft	kg/m	lb/ft			
77	3.0	789	177	395	89	789	177	0.5	0.35	0.4	0.25	0.4	0.29	2	2	2
153	6.0	1572	353	786	177	1572	353	1.0	0.70	0.7	0.49	0.9	0.58	2	2	2
230	9.0	2355	529	1177	265	2355	529	1.6	1.05	1.1	0.74	1.3	0.86	2	2	2
306	12.1	3138	705	1569	353	3138	705	2.1	1.40	1.5	0.99	1.7	1.15	3	3	2
383	15.1	3921	881	1960	441	3921	881	2.6	1.75	1.8	1.23	2.1	1.44	3	3	2
459	18.1	4704	1057	2352	529	4704	1057	3.1	2.10	2.2	1.48	2.6	1.73	4	4	2
535	21.1	5486	1233	2743	617	5486	1233	3.6	2.45	2.6	1.73	3.0	2.01	4	4	2
612	24.1	6269	1409	3135	705	6269	1409	4.2	2.80	2.9	1.97	3.4	2.30	5	5	3
688	27.1	7052	1585	3526	793	7052	1585	4.7	3.14	3.3	2.22	3.9	2.59	5	5	3
764	30.1	7835	1761	3918	881	7835	1761	5.2	3.49	3.7	2.47	4.3	2.88	6	6	3
841	33.1	8618	1937	4309	969	8618	1937	5.7	3.84	4.0	2.71	4.7	3.16	6	6	3
917	36.1	9401	2113	4700	1057	9401	2113	6.2	4.19	4.4	2.96	5.1	3.45	7	7	4
994	39.1	10184	2289	5092	1145	10184	2289	6.8	4.54	4.8	3.20	5.6	3.74	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 19.1 mm (0.75 in.)

1910	75.2	19578	4401	9789	2201	19578	4401	13.0	8.73	9.2	6.16	10.7	7.19	13	13	7
------	------	-------	------	------	------	-------	------	------	------	-----	------	------	------	----	----	---

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 19.1 mm (0.75 in.)

2980	117.3	30545	6867	15273	3433	30545	6867	20.3	13.62	14.3	9.61	16.7	11.22	20	20	10
------	-------	-------	------	-------	------	-------	------	------	-------	------	------	------	-------	----	----	----

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.

The belt width in PA6 is 0.8 % wider than the belt width in the table

\*Max. Load per Drive Sprocket. Belt material: POM-LF 1250 N (281 lbf), PP 700 N (157 lbf), PA6 1250 N (281 lbf)

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



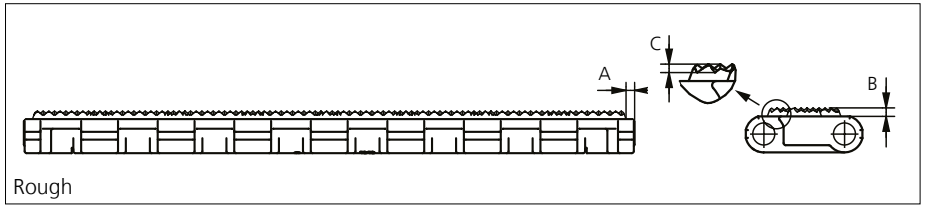
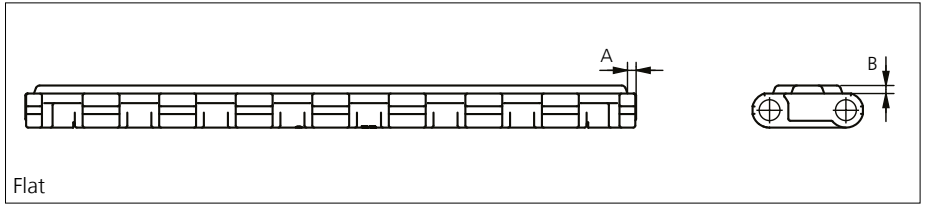
STANDARD

STRAIGHT RUNNING

PITCH 19.1 MM/0.75 IN

## Accessories

### Rubber Top

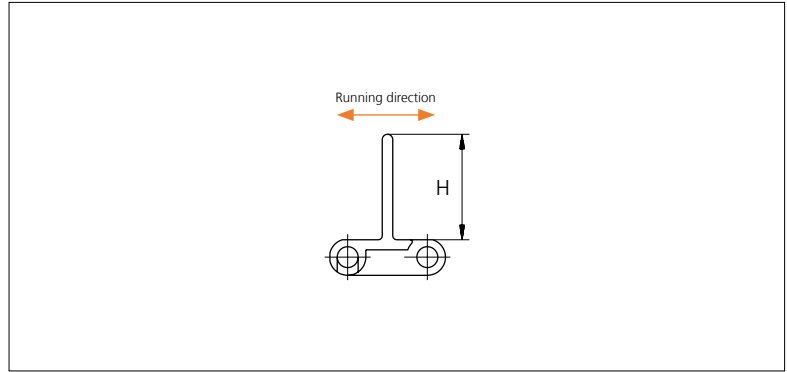
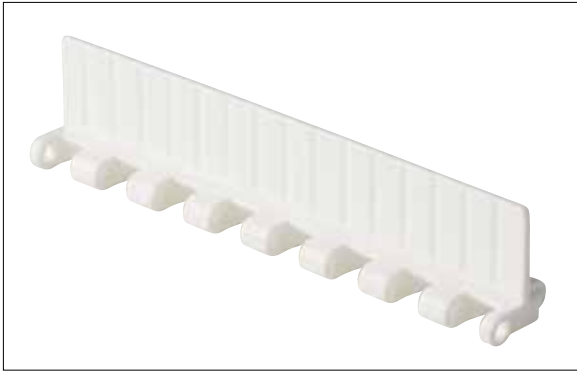


Type	Belt Material & color	Rubber Material & color	A		B		C		Link size	Width	
			mm	in	mm	in	mm	in		mm	in
Flat	PP <b>K</b>	03 <b>K</b>	2.0	0.08	2.0	0.08	1.0	0.04	K600	150.5	5.93
Rough											

Other Non Standard Rubber profiles: See uni Rubber Profile Overview.

## Accessories

### Flight

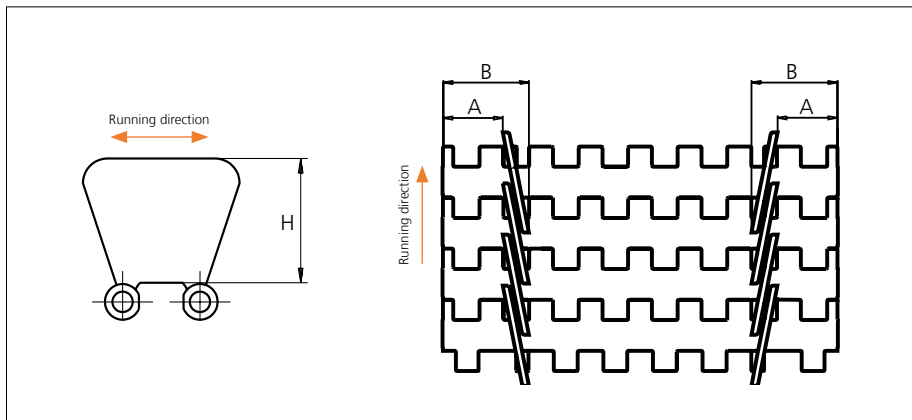


Type	Flight Material & color	H		Link size	Width		Indent	
		mm	in		mm	in	mm	in
Non Stick	PP-I <b>W</b>	25.4	1.00	K300	76.4	3.01	0.0	0.00
	PP-I <b>W</b> <b>G</b>							
	PA6 <b>K</b> 04 <b>K</b>							
Non Stick	PP-I <b>W</b> <b>G</b> PA6 <b>K</b>	25.4	1.00	K600	152.8	6.02	15.0	0.59
Non Stick/Support Ribs	PP-I <b>W</b>	25.4	1.00	K600	152.8	6.02	0.0	0.00
Non Stick/Support Ribs	PP-I <b>W</b> <b>G</b> PA6 <b>K</b>	50.8	2.00	K600	152.8	6.02	0.0	0.00
Non Stick/Support Ribs	PP-I <b>G</b> PA6 <b>K</b>	50.8	2.00	K600	152.8	6.02	15.0	0.59
Non Stick/Support Ribs	PP-I <b>W</b> <b>G</b> 04 <b>K</b>	76.2	3.00	K600	152.8	6.02	0.0	0.00
Non Stick/Support Ribs	PP-I <b>W</b> <b>G</b>	76.2	3.00	K600	152.8	6.02	15.0	0.59

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

## Accessories

### Side Guard

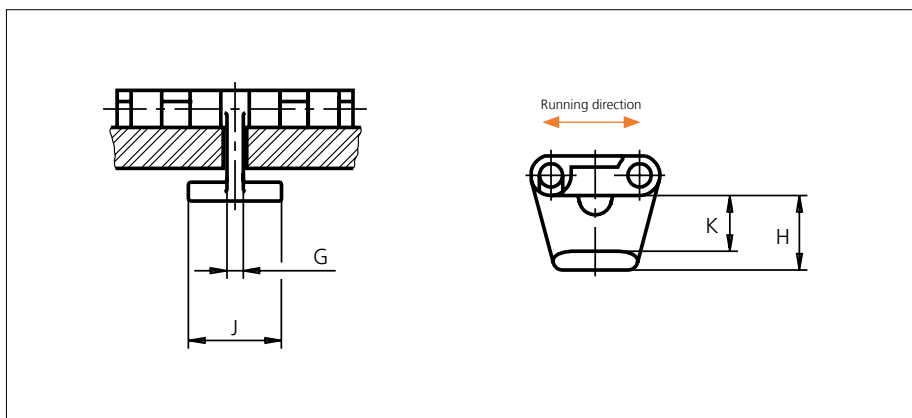


Type	Side Guard Material & color	H		A		B	
		mm	in	mm	in	mm	in
Closed	PP-I <b>W</b> <b>G</b>	31.4	1.24	15.0	0.59	25.0	0.98

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

## Accessories

### Tab



Type	Tab 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	20.0	0.79	11.7	0.46	15.9	0.63

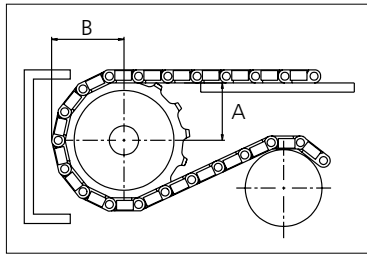
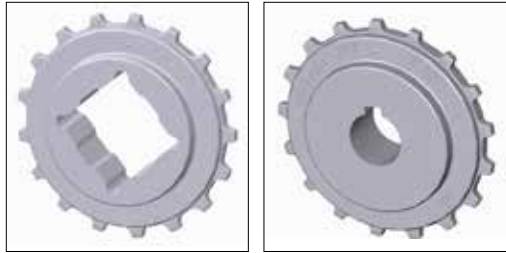
Non Standard material and color: See uni Material and Color Overview.

## 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	in	0.75	0.78	0.98	1.00	1.18	1.25	1.50	1.57	2.36	2.50	3.54														
	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	●	●										42.6	1.68	43.9	1.73	30.0	1.18	15.4	0.61	26.3	1.04	x		x		
Z10	x				●	●							61.7	2.43	61.6	2.43	45.0	1.77	25.0	0.98	35.2	1.39	x		x		
Z17	x			●	●	●	●	■	■				105.0	4.13	103.7	4.08	65.0	2.56	46.6	1.83	56.2	2.21	x		x		
Z24	x				●	●	●	■	■	●			147.2	5.80	146.0	5.75	70.0	2.76	68.0	2.68	77.3	3.04	x		x		
Z25	x					●	●	●	●	■	■		153.3	6.04	152.0	5.98	70.0	2.76	71.0	2.80	80.3	3.16	x		x		

■ Molded sprocket

● Molded sprocket



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 = 4.8 mm (0.19 in)  
 Width of sprocket = 25.0 mm (0.98 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.  
 For more detailed sprocket information, contact Customer Service.

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



Solid advice  
 For all your belting needs  
 Local stock & service  
[www.ammeraalbeltech.com](http://www.ammeraalbeltech.com)

**Ammeraal Beltech Modular A/S**  
 Hjulmagervej 21  
 DK-7100 Vejle

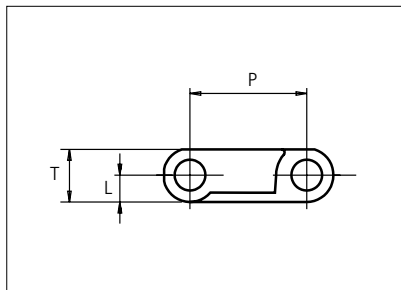
T +45 7572 3100  
 F +45 7572 3348  
 admin@unichains.com  
 www.unichains.com

This information is subject to alteration due to continuous development. Ammeraal Beltech will not be held liable for the incorrect use of the above stated information. This information replaces previous information. All activities performed and services rendered by Ammeraal Beltech are subject to general terms and conditions of sale and delivery, as applied by its operating companies.



# Plastic Modular Belt

Series **uni Light** Type **10%**



Straight running belt  
 Nominal pitch: 19.1 mm (0.75 in)  
 Surface type: Flat  
 Surface opening: 10%  
 Backflex radius: 25.0 mm (2.0 in)  
 Pin diameter:  $\varnothing$ 5.0 mm (0.20 in)

<b>Belt material &amp; color</b>	POM-LF <b>BR</b>	<b>mm</b>	<b>in</b>	<b>mm</b>	<b>in</b>
<b>Pin material &amp; color</b>	PP <b>W</b>	<b>P (Nominal)</b>	19.1	0.75	<b>T</b>
		<b>L</b>	4.3	0.17	-
					8.5
					0.33

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

Alternative pin and lock materials: Pin: PE **W** PP **W** PA6.6 **N** **B** PBT **LG** SS304 **W** Lockpin: PBT **LG** PA6.6 **D** **N** PP **W** **B**

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-LF/PP		POM-LF/PP			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	kg/m	lb/ft			
77	3.0	789	177	0.5	0.32	2	2	2
115	4.5	1175	264	0.7	0.48	2	2	2
153	6.0	1572	353	1.0	0.64	2	2	2
230	9.0	2355	529	1.4	0.96	2	2	2
306	12.1	3138	705	1.9	1.28	3	3	2
383	15.1	3921	881	2.4	1.59	3	3	2
459	18.1	4704	1057	2.8	1.91	4	4	2
535	21.1	5486	1233	3.3	2.23	4	4	2
612	24.1	6269	1409	3.8	2.55	5	5	3
688	27.1	7052	1585	4.3	2.87	5	5	3
764	30.1	7835	1761	4.7	3.19	6	6	3
841	33.1	8618	1937	5.2	3.50	6	6	3
917	36.1	9401	2113	5.7	3.82	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 19.1 mm (0.75 in.)

1910	75.2	19578	4401	11.8	7.96	13	13	7
------	------	-------	------	------	------	----	----	---

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 19.1 mm (0.75 in.)

2980	117.3	30545	6867	18.5	12.42	20	20	10
------	-------	-------	------	------	-------	----	----	----

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-LF 1250 N

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

= Single Link



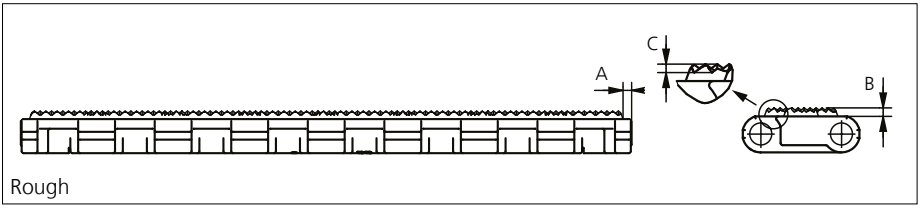
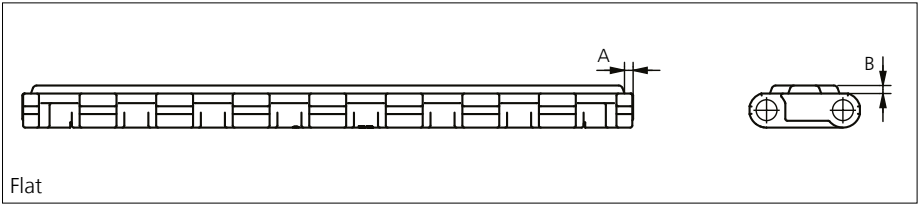
STANDARD

STRAIGHT RUNNING

PITCH 19.1 MM/0.75 IN

## Accessories

### Rubber Top

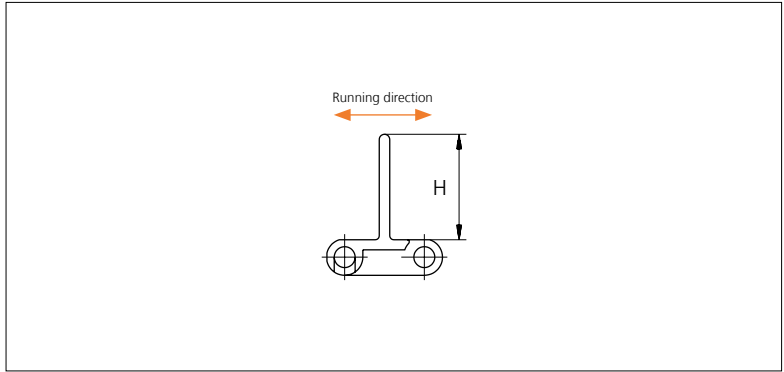
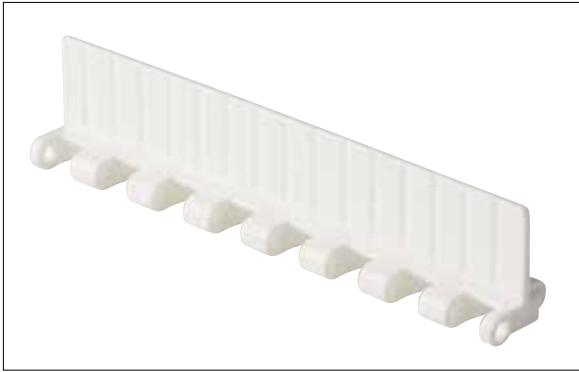


Type	Belt Material & color	Rubber Material & color	A		B		C		Link size	Width	
			mm	in	mm	in	mm	in		mm	in
Flat	PP <b>K</b>	03 <b>K</b>	2.0	0.08	2.0	0.08	1.0	0.04	K600	150.5	5.93
Rough											

Other Non Standard Rubber profiles: See uni Rubber Profile Overview.

## Accessories

### Flight



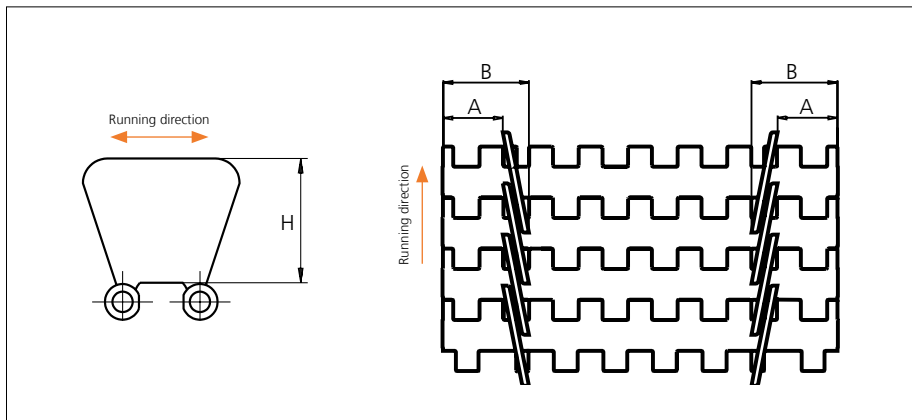
Type	Flight Material & color	H		Link size	Width		Indent	
		mm	in		mm	in	mm	in
Non Stick	PP-I <b>W</b>	25.4	1.00	K300	76.4	3.01	0.0	0.00
	PP-I <b>W</b> <b>G</b>							
	PA6 <b>K</b> 04 <b>K</b>							
Non Stick	PP-I <b>W</b> <b>G</b> PA6 <b>K</b>	25.4	1.00	K600	152.8	6.02	15.0	0.59
Non Stick/Support Ribs	PP-I <b>W</b>	25.4	1.00	K600	152.8	6.02	0.0	0.00
Non Stick/Support Ribs	PP-I <b>W</b> <b>G</b> PA6 <b>K</b>	50.8	2.00	K600	152.8	6.02	0.0	0.00
Non Stick/Support Ribs	PP-I <b>G</b> PA6 <b>K</b>	50.8	2.00	K600	152.8	6.02	15.0	0.59
Non Stick/Support Ribs	PP-I <b>W</b> <b>G</b> 04 <b>K</b>	76.2	3.00	K600	152.8	6.02	0.0	0.00
Non Stick/Support Ribs	PP-I <b>W</b> <b>G</b>	76.2	3.00	K600	152.8	6.02	15.0	0.59

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



## Accessories

### Side Guard

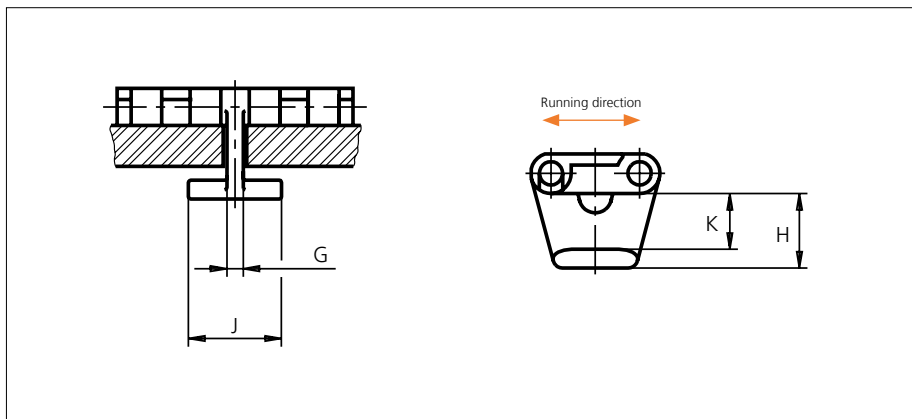


Type	Side Guard Material & color	H		A		B	
		mm	in	mm	in	mm	in
Closed	PP-I <b>W</b> <b>G</b>	31.4	1.24	15.0	0.59	25.0	0.98

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

## Accessories

### Tab



Type	Tab 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	20.0	0.79	11.7	0.46	15.9	0.63

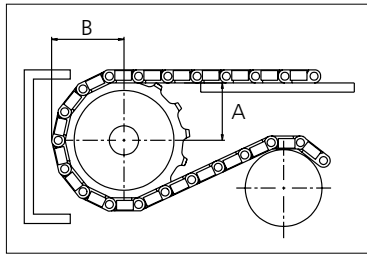
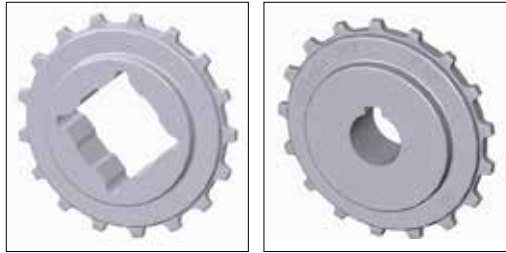
Non Standard material and color: See uni Material and Color Overview.

## 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	in	0.75	0.78	0.98	1.00	1.18	1.25	1.50	1.57	2.36	2.50	3.54														
	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	●	●										42.6	1.68	43.9	1.73	30.0	1.18	15.4	0.61	26.3	1.04	x		x		
Z10	x				●	●							61.7	2.43	61.6	2.43	45.0	1.77	25.0	0.98	35.2	1.39	x		x		
Z17	x			●	●	●	●	■	■				105.0	4.13	103.7	4.08	65.0	2.56	46.6	1.83	56.2	2.21	x		x		
Z24	x				●	●	●	■	■	●			147.2	5.80	146.0	5.75	70.0	2.76	68.0	2.68	77.3	3.04	x		x		
Z25	x					●	●	●	●	■	■		153.3	6.04	152.0	5.98	70.0	2.76	71.0	2.80	80.3	3.16	x		x		

■ Molded sprocket

● Molded sprocket



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 = 4.8 mm (0.19 in)  
 Width of sprocket = 25.0 mm (0.98 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.  
 For more detailed sprocket information, contact Customer Service.

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



Solid advice  
 For all your belting needs  
 Local stock & service  
[www.ammeraalbeltech.com](http://www.ammeraalbeltech.com)

**Ammeraal Beltech Modular A/S**  
 Hjulmagervej 21  
 DK-7100 Vejle

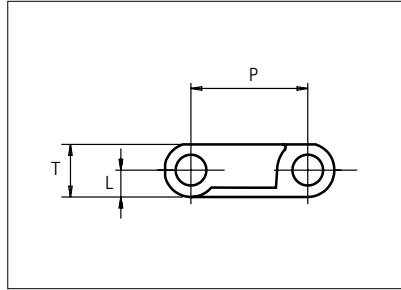
T +45 7572 3100  
 F +45 7572 3348  
 admin@unichains.com  
 www.unichains.com

This information is subject to alteration due to continuous development. Ammeraal Beltech will not be held liable for the incorrect use of the above stated information. This information replaces previous information. All activities performed and services rendered by Ammeraal Beltech are subject to general terms and conditions of sale and delivery, as applied by its operating companies.



# Plastic Modular Belt

Series **uni Light** Type **22%**



Straight running belt  
 Nominal pitch: 19.1 mm (0.75 in)  
 Surface type: Flat  
 Surface opening: 22%  
 Backflex radius: 25.0 mm (2.0 in)  
 Pin diameter: ø5.0 mm (0.20 in)

STANDARD

Belt material & color	POM-LF <b>BR</b>	PP <b>G</b>	mm	in	mm	in		
			<b>P (Nominal)</b>	19.1	0.75	<b>T</b>	8.5	0.33
Pin material & color	PP <b>W</b>		<b>L</b>	4.3	0.17	-	-	-

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

Alternative pin and lock materials: Pin: PE **W** PP **W** PA6.6 **N** **B** PBT **LG** SS304 **W** Lockpin: PBT **LG** PA6.6 **D** **N** PP **W** **B**

STRAIGHT RUNNING

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-LF/PP		PP/PP		POM-LF/PP		PP/PP			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft			
77	3.0	789	177	395	89	0.4	0.29	0.3	0.21	2	2	2
153	6.0	1572	353	786	177	0.9	0.58	0.6	0.41	2	2	2
230	9.0	2355	529	1177	265	1.3	0.86	0.9	0.62	2	2	2
306	12.1	3138	705	1569	353	1.7	1.15	1.2	0.82	3	3	2
383	15.1	3921	881	1960	441	2.1	1.44	1.5	1.03	3	3	2
459	18.1	4704	1057	2352	529	2.6	1.73	1.8	1.23	4	4	2
535	21.1	5486	1233	2743	617	3.0	2.01	2.1	1.44	4	4	2
612	24.1	6269	1409	3135	705	3.4	2.30	2.4	1.64	5	5	3
688	27.1	7052	1585	3526	793	3.9	2.59	2.8	1.85	5	5	3
764	30.1	7835	1761	3918	881	4.3	2.88	3.1	2.05	6	6	3
841	33.1	8618	1937	4309	969	4.7	3.16	3.4	2.26	6	6	3
917	36.1	9401	2113	4700	1057	5.1	3.45	3.7	2.47	7	7	4
994	39.1	10184	2289	5092	1145	5.6	3.74	4.0	2.67	7	7	4

PITCH 19.1 MM/0.75 IN

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 19.1 mm (0.75 in.)

1910	75.2	19578	4401	9789	2201	10.7	7.19	7.6	5.13	13	13	7
------	------	-------	------	------	------	------	------	-----	------	----	----	---

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 19.1 mm (0.75 in.)

2980	117.3	30545	6867	15273	3433	16.7	11.22	11.9	8.01	20	20	10
------	-------	-------	------	-------	------	------	-------	------	------	----	----	----

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.

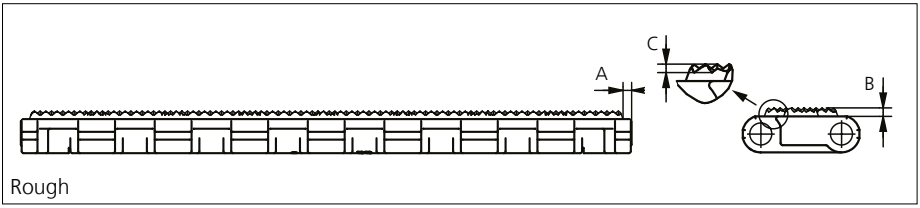
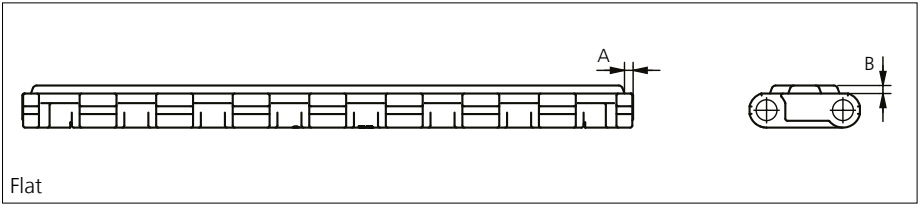
\*Max. Load per Drive Sprocket. Belt material: POM-LF 1250 N (281 lbf), PP 700 N (157 lbf)

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



## Accessories

### Rubber Top

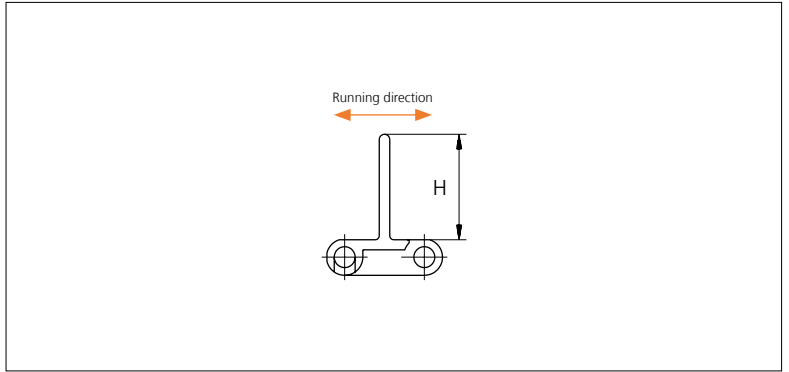
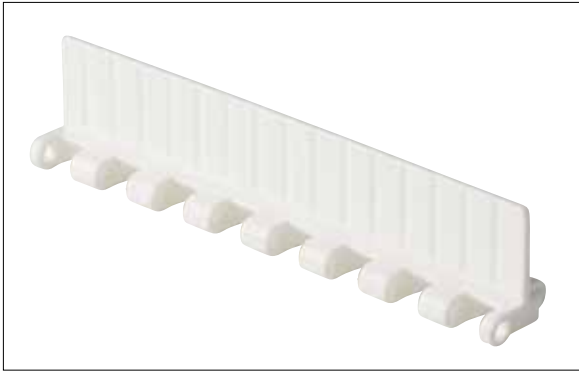


Type	Belt Material & color	Rubber Material & color	A		B		C		Link size	Width	
			mm	in	mm	in	mm	in		mm	in
Flat	PP <b>K</b>	03 <b>K</b>	2.0	0.08	2.0	0.08	1.0	0.04	K600	150.5	5.93
Rough											

Other Non Standard Rubber profiles: See uni Rubber Profile Overview.

## Accessories

### Flight

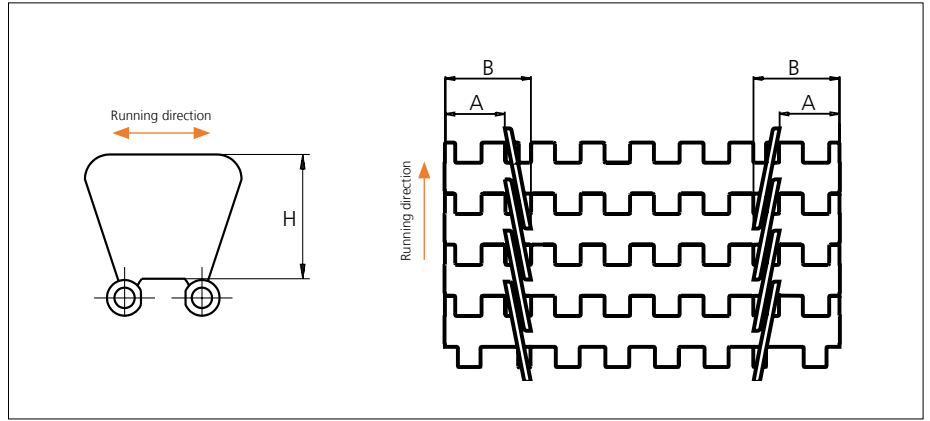


Type	Flight Material & color	H		Link size	Width		Indent	
		mm	in		mm	in	mm	in
Non Stick	PP-I <b>W</b>	25.4	1.00	K300	76.4	3.01	0.0	0.00
	PP-I <b>W</b> <b>G</b>							
	PA6 <b>K</b> 04 <b>K</b>							
Non Stick	PP-I <b>W</b> <b>G</b> PA6 <b>K</b>	25.4	1.00	K600	152.8	6.02	15.0	0.59
Non Stick/Support Ribs	PP-I <b>W</b>	25.4	1.00	K600	152.8	6.02	0.0	0.00
Non Stick/Support Ribs	PP-I <b>W</b> <b>G</b> PA6 <b>K</b>	50.8	2.00	K600	152.8	6.02	0.0	0.00
Non Stick/Support Ribs	PP-I <b>G</b> PA6 <b>K</b>	50.8	2.00	K600	152.8	6.02	15.0	0.59
Non Stick/Support Ribs	PP-I <b>W</b> <b>G</b> 04 <b>K</b>	76.2	3.00	K600	152.8	6.02	0.0	0.00
Non Stick/Support Ribs	PP-I <b>W</b> <b>G</b>	76.2	3.00	K600	152.8	6.02	15.0	0.59

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

## Accessories

### Side Guard

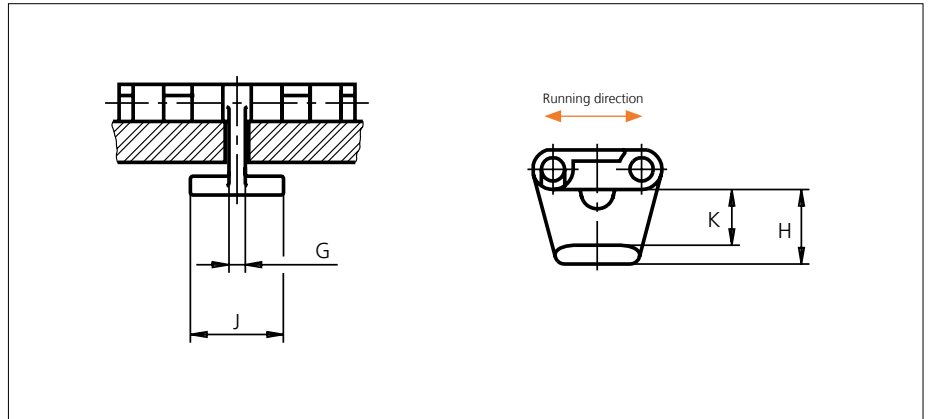


Type	Side Guard Material & color	H		A		B	
		mm	in	mm	in	mm	in
Closed	PP-I <b>W</b> <b>G</b>	31.4	1.24	15.0	0.59	25.0	0.98

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

## Accessories

### Tab

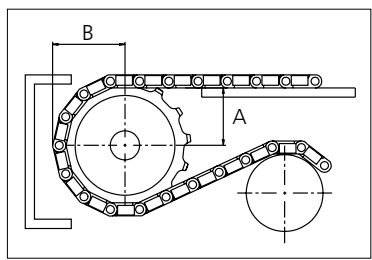
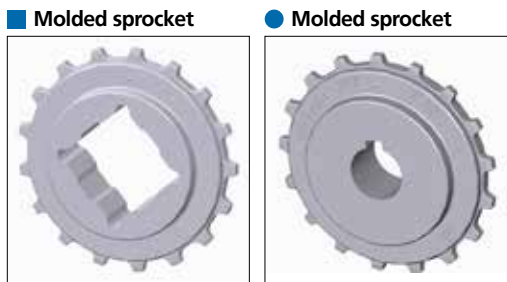


Type	Tab Material & color	G		J		K		H	
		mm	in	mm	in	mm	in	mm	in
Bottom Hold Down	POM-D <b>W</b>	3.5	0.14	20.0	0.79	11.7	0.46	15.9	0.63

Non Standard material and color: See uni Material and Color 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	in	0.75	0.78	0.98	1.00	1.18	1.25	1.50	1.57	2.36	2.50	3.54														
	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	●	●										42.6	1.68	43.9	1.73	30.0	1.18	15.4	0.61	26.3	1.04	x		x		
Z10	x				●	●							61.7	2.43	61.6	2.43	45.0	1.77	25.0	0.98	35.2	1.39	x		x		
Z17	x			●	●	●	●	■	■				105.0	4.13	103.7	4.08	65.0	2.56	46.6	1.83	56.2	2.21	x		x		
Z24	x				●	●	●	■	■	●			147.2	5.80	146.0	5.75	70.0	2.76	68.0	2.68	77.3	3.04	x		x		
Z25	x					●	●	●	●	■	■		153.3	6.04	152.0	5.98	70.0	2.76	71.0	2.80	80.3	3.16	x		x		



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 = 4.8 mm (0.19 in)  
 Width of sprocket = 25.0 mm (0.98 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.  
 For more detailed sprocket information, contact Customer Service.

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



Solid advice  
 For all your belting needs  
 Local stock & service  
[www.ammeraalbeltech.com](http://www.ammeraalbeltech.com)

**Ammeraal Beltech Modular A/S**  
 Hjulmagervej 21  
 DK-7100 Vejle

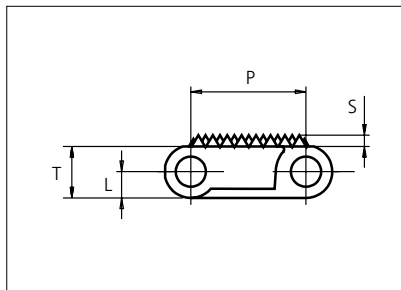
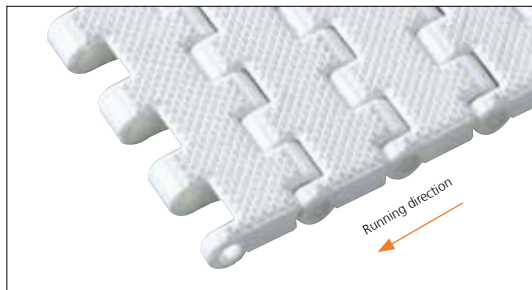
T +45 7572 3100  
 F +45 7572 3348  
 admin@unichains.com  
 www.unichains.com

This information is subject to alteration due to continuous development. Ammeraal Beltech will not be held liable for the incorrect use of the above stated information. This information replaces previous information. All activities performed and services rendered by Ammeraal Beltech are subject to general terms and conditions of sale and delivery, as applied by its operating companies.



# Plastic Modular Belt

Series **uni Light** Type **Rough**



Straight running belt  
 Nominal pitch: 19.1 mm (0.75 in)  
 Surface type: Rough Top  
 Surface opening: Closed  
 Backflex radius: 25.0 mm (1.0 in)  
 Pin diameter:  $\varnothing$ 5.0 mm (0.20 in)

Recommended Belt material & color	POM-D <b>W</b>		mm	in		mm	in
		P (Nominal)	19.1	0.75	T	8.5	0.33
Recommended Pin material & color	PA6.6 <b>N</b>						
		L	4.3	0.17	S	1.5	0.06

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

Alternative pin and lock materials: Pin: PE **W** PP **W** PA6.6 **N** **B** PBT **LG** SS304 **W** Lockpin: PBT **LG** PA6.6 **D** **N** PP **W** **B**

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-LF/PA6.6		PP/PA6.6		PA6/PBT-GR		POM-LF/PA6.6		PP/PA6.6		PA6/PBT-GR			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft	kg/m	lb/ft			
77	3.0	789	177	395	89	789	177	0.5	0.35	0.4	0.25	0.4	0.29	2	2	2
153	6.0	1572	353	786	177	1572	353	1.0	0.70	0.7	0.49	0.9	0.58	2	2	2
230	9.0	2355	529	1177	265	2355	529	1.6	1.05	1.1	0.74	1.3	0.86	2	2	2
306	12.1	3138	705	1569	353	3138	705	2.1	1.40	1.5	0.99	1.7	1.15	3	3	2
383	15.1	3921	881	1960	441	3921	881	2.6	1.75	1.8	1.23	2.1	1.44	3	3	2
459	18.1	4704	1057	2352	529	4704	1057	3.1	2.10	2.2	1.48	2.6	1.73	4	4	2
535	21.1	5486	1233	2743	617	5486	1233	3.6	2.45	2.6	1.73	3.0	2.01	4	4	2
612	24.1	6269	1409	3135	705	6269	1409	4.2	2.80	2.9	1.97	3.4	2.30	5	5	3
688	27.1	7052	1585	3526	793	7052	1585	4.7	3.14	3.3	2.22	3.9	2.59	5	5	3
764	30.1	7835	1761	3918	881	7835	1761	5.2	3.49	3.7	2.47	4.3	2.88	6	6	3
841	33.1	8618	1937	4309	969	8618	1937	5.7	3.84	4.0	2.71	4.7	3.16	6	6	3
917	36.1	9401	2113	4700	1057	9401	2113	6.2	4.19	4.4	2.96	5.1	3.45	7	7	4
994	39.1	10184	2289	5092	1145	10184	2289	6.8	4.54	4.8	3.20	5.6	3.74	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 19.1 mm (0.75 in)

1910	75.2	19578	4401	9789	2201	19578	4401	13.0	8.73	9.2	6.16	10.7	7.19	13	13	7
------	------	-------	------	------	------	-------	------	------	------	-----	------	------	------	----	----	---

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 19.1 mm (0.75 in)

2980	117.3	30545	6867	15273	3433	30545	6867	20.3	13.62	14.3	9.61	16.7	11.22	20	20	10
------	-------	-------	------	-------	------	-------	------	------	-------	------	------	------	-------	----	----	----

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-LF 1250 N (281 lbf), PP 700 N (157 lbf), PA6 1250 N (281 lbf)

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

= Single Link



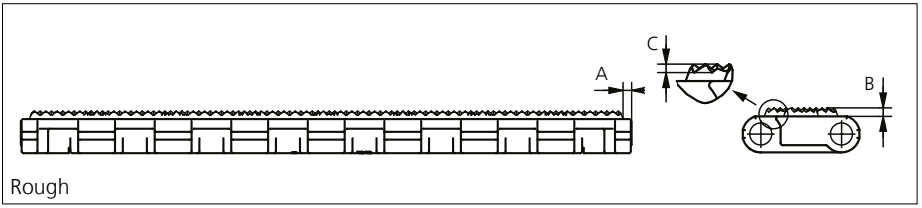
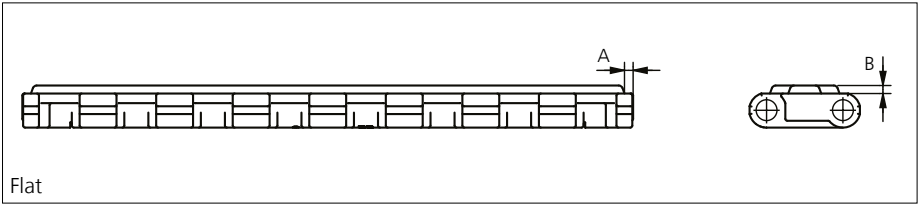
NON STANDARD

STRAIGHT RUNNING

PITCH 19.1 MM/0.75 IN

## Accessories

### Rubber Top

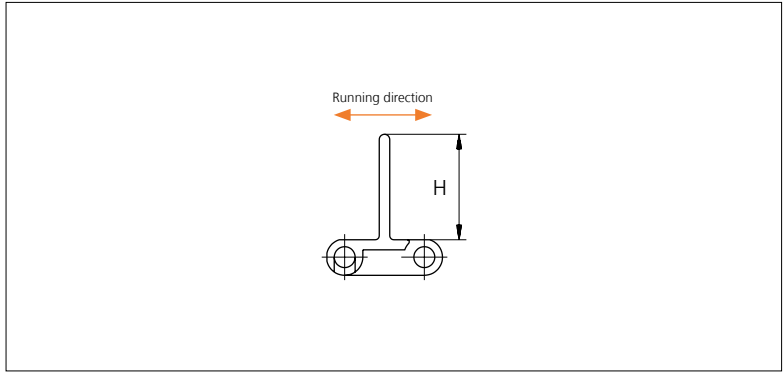
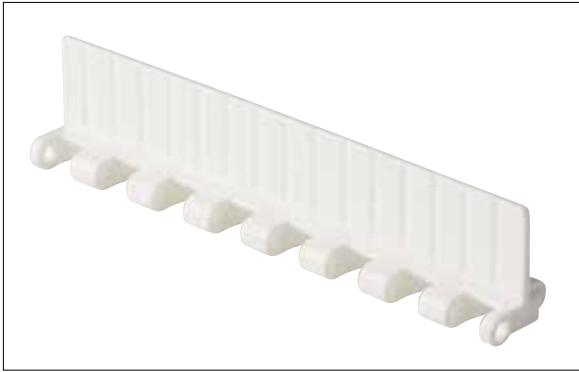


Type	Belt Material & color	Rubber Material & color	A		B		C		Link size	Width	
			mm	in	mm	in	mm	in		mm	in
Flat	PP <b>K</b>	03 <b>K</b>	2.0	0.08	2.0	0.08	1.0	0.04	K600	150.5	5.93
Rough											

Other Non Standard Rubber profiles: See uni Rubber Profile Overview.

## Accessories

### Flight



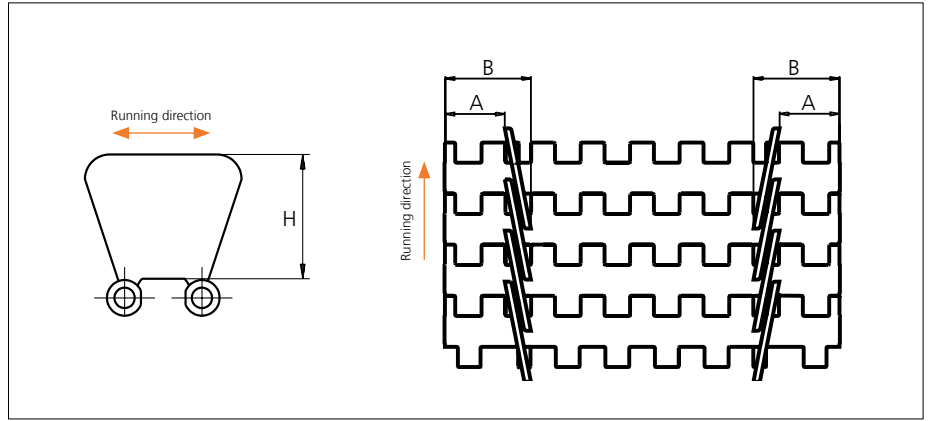
Type	Flight Material & color	H		Link size	Width		Indent	
		mm	in		mm	in	mm	in
Non Stick	PP-I <b>W</b>	25.4	1.00	K300	76.4	3.01	0.0	0.00
	PP-I <b>W</b> <b>G</b>							
	PA6 <b>K</b> 04 <b>K</b>							
Non Stick	PP-I <b>W</b> <b>G</b> PA6 <b>K</b>	25.4	1.00	K600	152.8	6.02	15.0	0.59
Non Stick/Support Ribs	PP-I <b>W</b>	25.4	1.00	K600	152.8	6.02	0.0	0.00
Non Stick/Support Ribs	PP-I <b>W</b> <b>G</b> PA6 <b>K</b>	50.8	2.00	K600	152.8	6.02	0.0	0.00
Non Stick/Support Ribs	PP-I <b>G</b> PA6 <b>K</b>	50.8	2.00	K600	152.8	6.02	15.0	0.59
Non Stick/Support Ribs	PP-I <b>W</b> <b>G</b> 04 <b>K</b>	76.2	3.00	K600	152.8	6.02	0.0	0.00
Non Stick/Support Ribs	PP-I <b>W</b> <b>G</b>	76.2	3.00	K600	152.8	6.02	15.0	0.59

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



## Accessories

### Side Guard

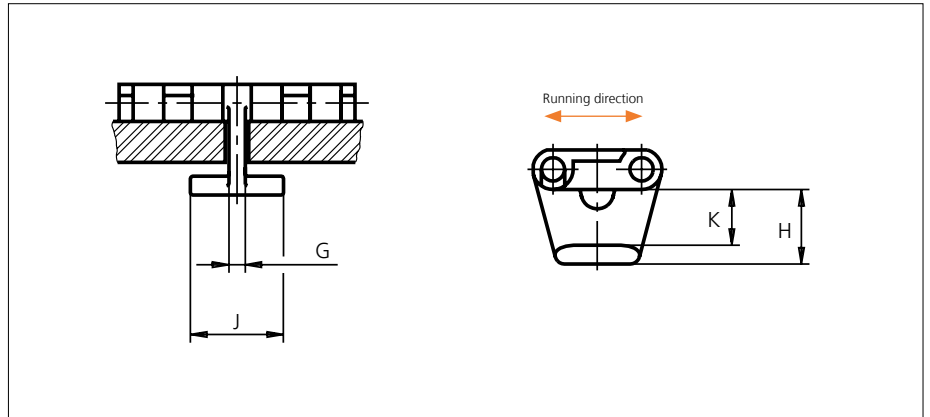


Type	Side Guard Material & color	H		A		B	
		mm	in	mm	in	mm	in
Closed	PP-I <b>W</b> <b>G</b>	31.4	1.24	15.0	0.59	25.0	0.98

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

## Accessories

### Tab

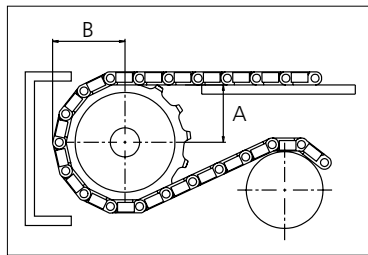
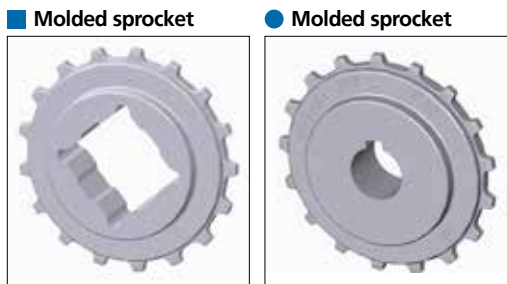


Type	Tab Material & color	G		J		K		H	
		mm	in	mm	in	mm	in	mm	in
Bottom Hold Down	POM-D <b>W</b>	3.5	0.14	20.0	0.79	11.7	0.46	15.9	0.63

Non Standard material and color: See uni Material and Color 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		in	0.75	0.78	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	●	●										42.6	1.68	43.9	1.73	30.0	1.18	15.4	0.61	26.3	1.04	x		x		
Z10	x				●	●							61.7	2.43	61.6	2.43	45.0	1.77	25.0	0.98	35.2	1.39	x		x		
Z17	x			●	●	●	●	■	■				105.0	4.13	103.7	4.08	65.0	2.56	46.6	1.83	56.2	2.21	x		x		
Z24	x				●	●	●	■	■	●			147.2	5.80	146.0	5.75	70.0	2.76	68.0	2.68	77.3	3.04	x		x		
Z25	x					●	●	●	●	■	■		153.3	6.04	152.0	5.98	70.0	2.76	71.0	2.80	80.3	3.16	x		x		



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 = 4.8 mm (0.19 in)  
 Width of sprocket = 25.0 mm (0.98 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.  
 For more detailed sprocket information, contact Customer Service.

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



Solid advice  
 For all your belting needs  
 Local stock & service  
[www.ammeraalbeltech.com](http://www.ammeraalbeltech.com)

**Ammeraal Beltech Modular A/S**  
 Hjulmagervej 21  
 DK-7100 Vejle

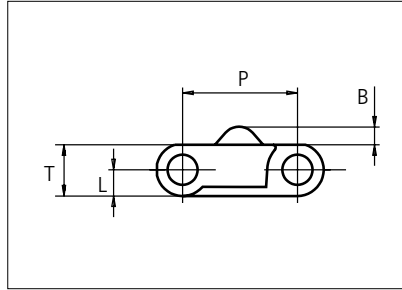
T +45 7572 3100  
 F +45 7572 3348  
 admin@unichains.com  
 www.unichains.com

This information is subject to alteration due to continuous development. Ammeraal Beltech will not be held liable for the incorrect use of the above stated information. This information replaces previous information. All activities performed and services rendered by Ammeraal Beltech are subject to general terms and conditions of sale and delivery, as applied by its operating companies.



# Plastic Modular Belt

Series **uni Light** Type **10% SR**



Straight running belt  
 Nominal pitch: 19.1 mm (0.75 in)  
 Surface type: Small Rib  
 Surface opening: Closed  
 Backflex radius: 25.0 mm (1.0 in)  
 Pin diameter:  $\varnothing$ 5.0 mm (0.20 in)

NON STANDARD

Recommended Belt material & color	POM-LF <b>G</b>		mm	in		mm	in
		P (Nominal)	19.1	0.75	T	8.5	0.33
Recommended Pin material & color	PA6.6 <b>N</b>						
		L	4.3	0.17	B	3.0	0.12

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

Alternative pin and lock materials: Pin: PE **W** PP **W** PA6.6 **N** **B** PBT **LG** SS304 PP **W** Lockpin: PBT **LG** PA6.6 **D** **N** PP **W** **B**

STRAIGHT RUNNING

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-SLF/PA6.6		POM-SLF/PA6.6			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	kg/m	lb/ft			
77	3.0	789	177	0.5	0.32	2	2	2
153	6.0	1572	353	1.0	0.64	2	2	2
230	9.0	2355	529	1.4	0.96	2	2	2
306	12.1	3138	705	1.9	1.28	3	3	2
383	15.1	3921	881	2.4	1.59	3	3	2
459	18.1	4704	1057	2.8	1.91	4	4	2
535	21.1	5486	1233	3.3	2.23	4	4	2
612	24.1	6269	1409	3.8	2.55	5	5	3
688	27.1	7052	1585	4.3	2.87	5	5	3
764	30.1	7835	1761	4.7	3.19	6	6	3
841	33.1	8618	1937	5.2	3.50	6	6	3
917	36.1	9401	2113	5.7	3.82	7	7	4
994	39.1	10184	2289	6.2	4.14	7	7	4

PITCH 19.1 MM/0.75 IN

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 19.1 mm (0.75 in.)

1910	75.2	19578	4401	11.8	7.96	13	13	7
------	------	-------	------	------	------	----	----	---

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 19.1 mm (0.75 in.)

2980	117.3	30545	6867	18.5	12.42	20	20	10
------	-------	-------	------	------	-------	----	----	----

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.

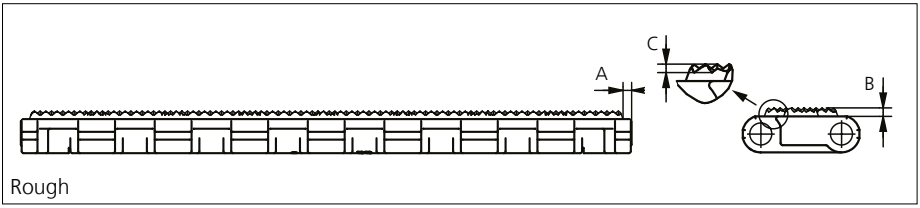
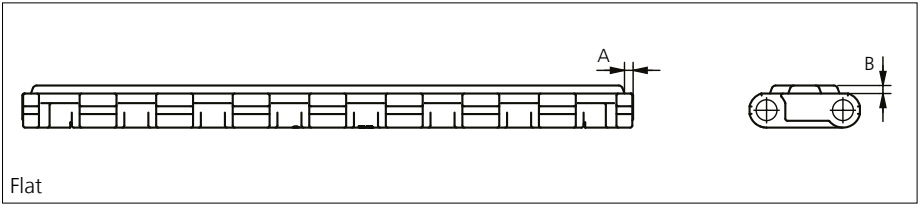
\*Max. Load per Drive Sprocket. Belt material: POM-LF 1250 N

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



## Accessories

### Rubber Top

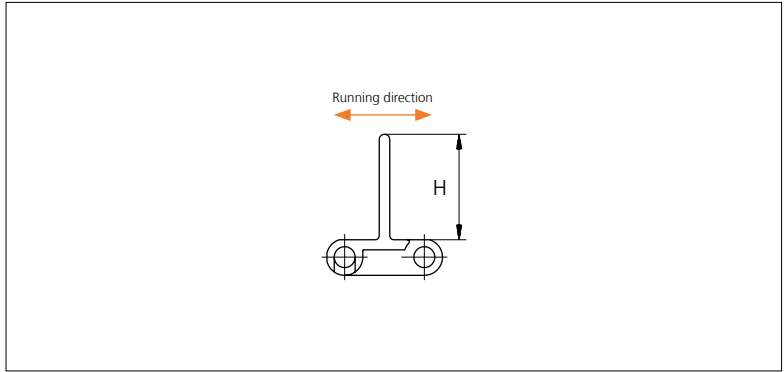
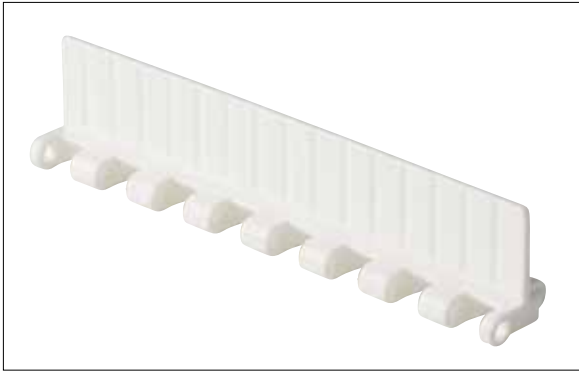


Type	Belt Material & color	Rubber Material & color	A		B		C		Link size	Width	
			mm	in	mm	in	mm	in		mm	in
Flat	PP <b>K</b>	03 <b>K</b>	2.0	0.08	2.0	0.08	1.0	0.04	K600	150.5	5.93
Rough											

Other Non Standard Rubber profiles: See uni Rubber Profile Overview.

## Accessories

### Flight

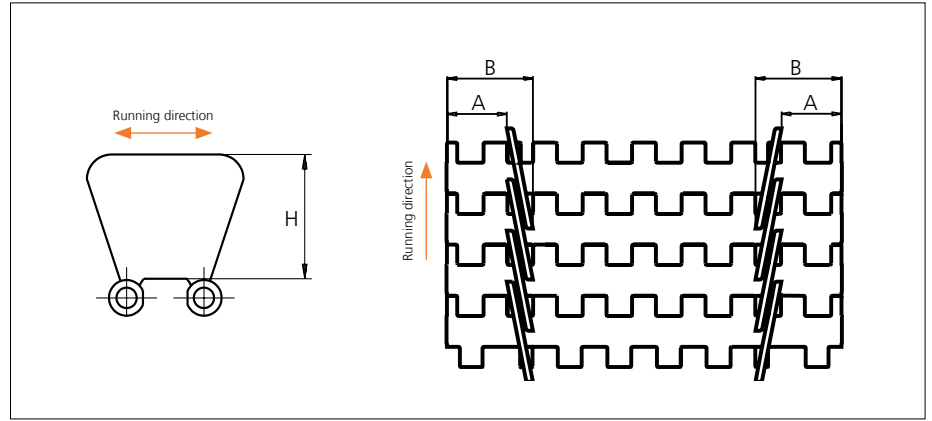


Type	Flight Material & color	H		Link size	Width		Indent	
		mm	in		mm	in	mm	in
Non Stick	PP-I <b>W</b>	25.4	1.00	K300	76.4	3.01	0.0	0.00
	PP-I <b>W</b> <b>G</b>							
	PA6 <b>K</b> 04 <b>K</b>							
Non Stick	PP-I <b>W</b> <b>G</b> PA6 <b>K</b>	25.4	1.00	K600	152.8	6.02	15.0	0.59
Non Stick/Support Ribs	PP-I <b>W</b>	25.4	1.00	K600	152.8	6.02	0.0	0.00
Non Stick/Support Ribs	PP-I <b>W</b> <b>G</b> PA6 <b>K</b>	50.8	2.00	K600	152.8	6.02	0.0	0.00
Non Stick/Support Ribs	PP-I <b>G</b> PA6 <b>K</b>	50.8	2.00	K600	152.8	6.02	15.0	0.59
Non Stick/Support Ribs	PP-I <b>W</b> <b>G</b> 04 <b>K</b>	76.2	3.00	K600	152.8	6.02	0.0	0.00
Non Stick/Support Ribs	PP-I <b>W</b> <b>G</b>	76.2	3.00	K600	152.8	6.02	15.0	0.59

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

## Accessories

### Side Guard

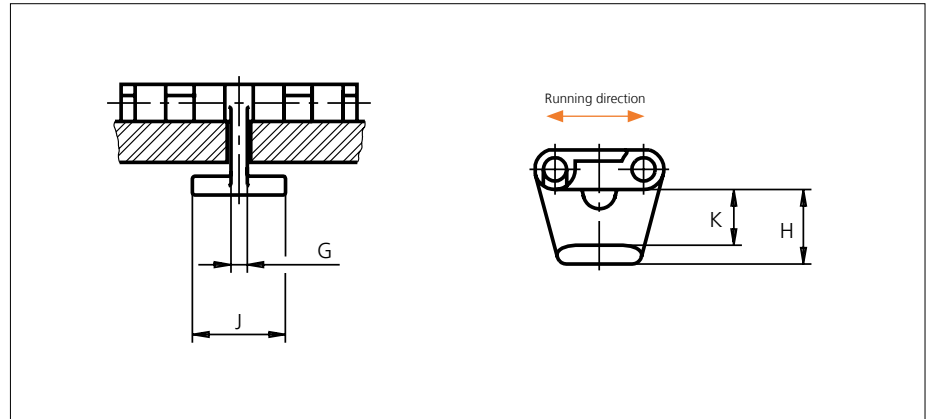


Type	Side Guard Material & color	H		A		B	
		mm	in	mm	in	mm	in
Closed	PP-I <b>W</b> <b>G</b>	31.4	1.24	15.0	0.59	25.0	0.98

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

## Accessories

### Tab

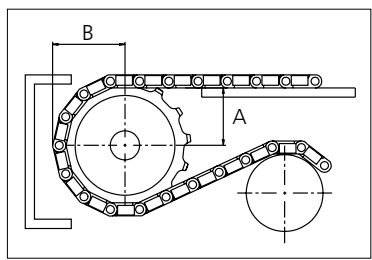
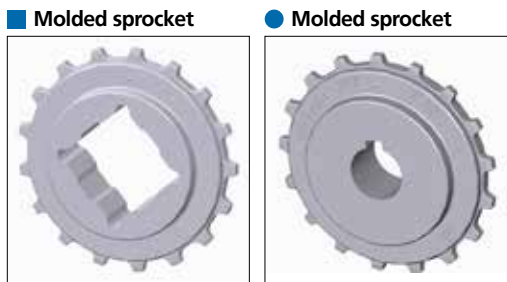


Type	Tab Material & color	G		J		K		H	
		mm	in	mm	in	mm	in	mm	in
Bottom Hold Down	POM-D <b>W</b>	3.5	0.14	20.0	0.79	11.7	0.46	15.9	0.63

Non Standard material and color: See uni Material and Color 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	in	0.75	0.78	0.98	1.00	1.18	1.25	1.50	1.57	2.36	2.50	3.54														
	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	●	●										42.6	1.68	43.9	1.73	30.0	1.18	15.4	0.61	26.3	1.04	x		x		
Z10	x				●	●							61.7	2.43	61.6	2.43	45.0	1.77	25.0	0.98	35.2	1.39	x		x		
Z17	x			●	●	●	●	■	■				105.0	4.13	103.7	4.08	65.0	2.56	46.6	1.83	56.2	2.21	x		x		
Z24	x				●	●	●	■	■	●			147.2	5.80	146.0	5.75	70.0	2.76	68.0	2.68	77.3	3.04	x		x		
Z25	x					●	●	●	●	■	■		153.3	6.04	152.0	5.98	70.0	2.76	71.0	2.80	80.3	3.16	x		x		



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 = 4.8 mm (0.19 in)  
 Width of sprocket = 25.0 mm (0.98 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.  
 For more detailed sprocket information, contact Customer Service.

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



Solid advice  
 For all your belting needs  
 Local stock & service  
[www.ammeraalbeltech.com](http://www.ammeraalbeltech.com)

**Ammeraal Beltech Modular A/S**  
 Hjulmagervej 21  
 DK-7100 Vejle

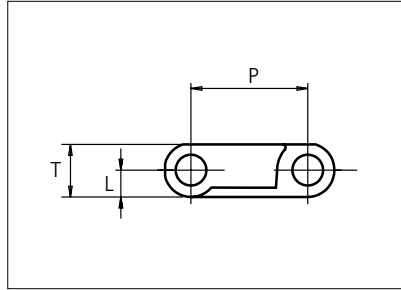
T +45 7572 3100  
 F +45 7572 3348  
 admin@unichains.com  
 www.unichains.com

This information is subject to alteration due to continuous development. Ammeraal Beltech will not be held liable for the incorrect use of the above stated information. This information replaces previous information. All activities performed and services rendered by Ammeraal Beltech are subject to general terms and conditions of sale and delivery, as applied by its operating companies.



# Plastic Modular Belt

Series **uni Light** Type **18%**



Straight running belt  
 Nominal pitch: 19.1 mm (0.75 in)  
 Surface type: Flat  
 Surface opening: 18%  
 Backflex radius: 25.0 mm (1.0 in)  
 Pin diameter:  $\varnothing$ 5.0 mm (0.20 in)

<b>Recommended Belt material &amp; color</b>	POM-D <b>W</b>	<b>mm</b>	<b>in</b>		<b>mm</b>	<b>in</b>	
<b>Recommended Pin material &amp; color</b>	PA6.6 <b>N</b>	<b>P (Nominal)</b>	19.1	0.75	<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 pin and lock materials: Pin: PE **W** PP **W** PA6.6 **N** **B** PBT **LG** SS304 PP **W** Lockpin: PBT **LG** PA6.6 **D** **N** PP **W** **B**

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-LF/PA6.6		PP/PA6.6		POM-LF/PA6.6		PP/PA6.6			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft			
77	3.0	789	177	395	89	0.4	0.29	0.3	0.21	2	2	2
153	6.0	1572	353	786	177	0.9	0.58	0.6	0.41	2	2	2
230	9.0	2355	529	1177	265	1.3	0.86	0.9	0.62	2	2	2
306	12.1	3138	705	1569	353	1.7	1.15	1.2	0.82	3	3	2
383	15.1	3921	881	1960	441	2.1	1.44	1.5	1.03	3	3	2
459	18.1	4704	1057	2352	529	2.6	1.73	1.8	1.23	4	4	2
535	21.1	5486	1233	2743	617	3.0	2.01	2.1	1.44	4	4	2
612	24.1	6269	1409	3135	705	3.4	2.30	2.4	1.64	5	5	3
688	27.1	7052	1585	3526	793	3.9	2.59	2.8	1.85	5	5	3
764	30.1	7835	1761	3918	881	4.3	2.88	3.1	2.05	6	6	3
841	33.1	8618	1937	4309	969	4.7	3.16	3.4	2.26	6	6	3
917	36.1	9401	2113	4700	1057	5.1	3.45	3.7	2.47	7	7	4
994	39.1	10184	2289	5092	1145	5.6	3.74	4.0	2.67	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 19.1 mm (0.75 in.)

1910	75.2	19578	4401	9789	2201	10.7	7.19	7.6	5.13	13	13	7
------	------	-------	------	------	------	------	------	-----	------	----	----	---

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 19.1 mm (0.75 in.)

2980	117.3	30545	6867	15273	3433	16.7	11.22	11.9	8.01	20	20	10
------	-------	-------	------	-------	------	------	-------	------	------	----	----	----

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-LF 1250 N (281 lbf), PP 700 N (157 lbf)

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



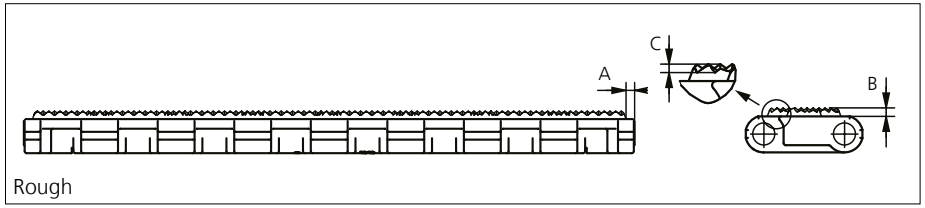
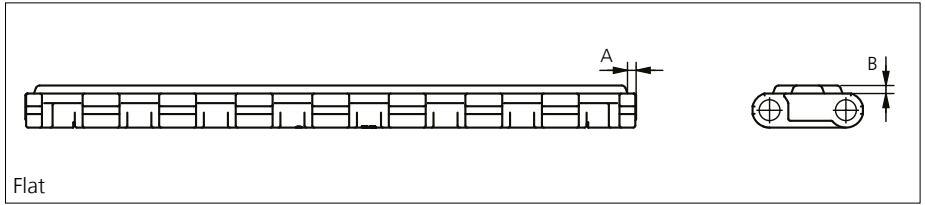
NON STANDARD

STRAIGHT RUNNING

PITCH 19.1 MM/0.75 IN

## Accessories

### Rubber Top

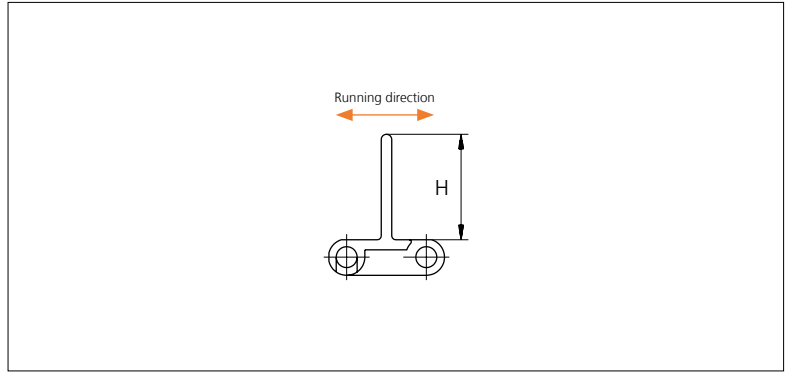
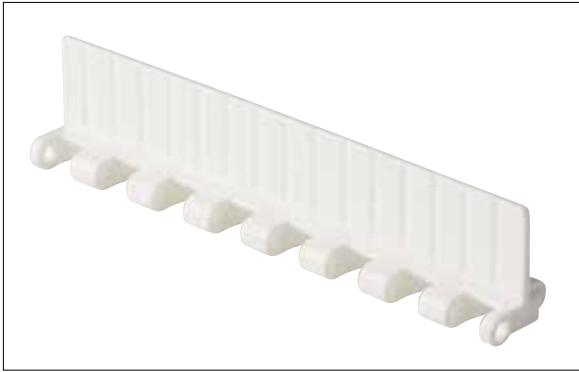


Type	Belt Material & color	Rubber Material & color	A		B		C		Link size	Width	
			mm	in	mm	in	mm	in		mm	in
Flat	PP <b>K</b>	03 <b>K</b>	2.0	0.08	2.0	0.08	1.0	0.04	K600	150.5	5.93
Rough											

Other Non Standard Rubber profiles: See uni Rubber Profile Overview.

## Accessories

### Flight



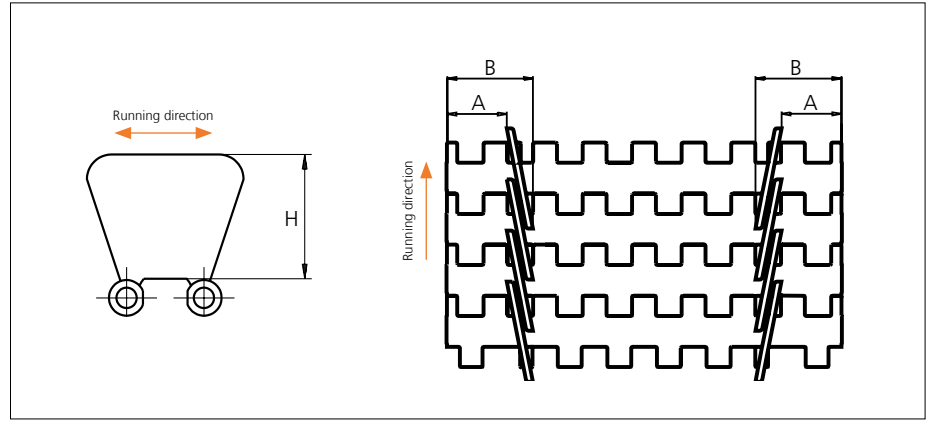
Type	Flight Material & color	H		Link size	Width		Indent	
		mm	in		mm	in	mm	in
Non Stick	PP-I <b>W</b>	25.4	1.00	K300	76.4	3.01	0.0	0.00
	PP-I <b>W</b> <b>G</b>							
	PA6 <b>K</b> 04 <b>K</b>							
Non Stick	PP-I <b>W</b> <b>G</b> PA6 <b>K</b>	25.4	1.00	K600	152.8	6.02	15.0	0.59
Non Stick/Support Ribs	PP-I <b>W</b>	25.4	1.00	K600	152.8	6.02	0.0	0.00
Non Stick/Support Ribs	PP-I <b>W</b> <b>G</b> PA6 <b>K</b>	50.8	2.00	K600	152.8	6.02	0.0	0.00
Non Stick/Support Ribs	PP-I <b>G</b> PA6 <b>K</b>	50.8	2.00	K600	152.8	6.02	15.0	0.59
Non Stick/Support Ribs	PP-I <b>W</b> <b>G</b> 04 <b>K</b>	76.2	3.00	K600	152.8	6.02	0.0	0.00
Non Stick/Support Ribs	PP-I <b>W</b> <b>G</b>	76.2	3.00	K600	152.8	6.02	15.0	0.59

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



## Accessories

### Side Guard

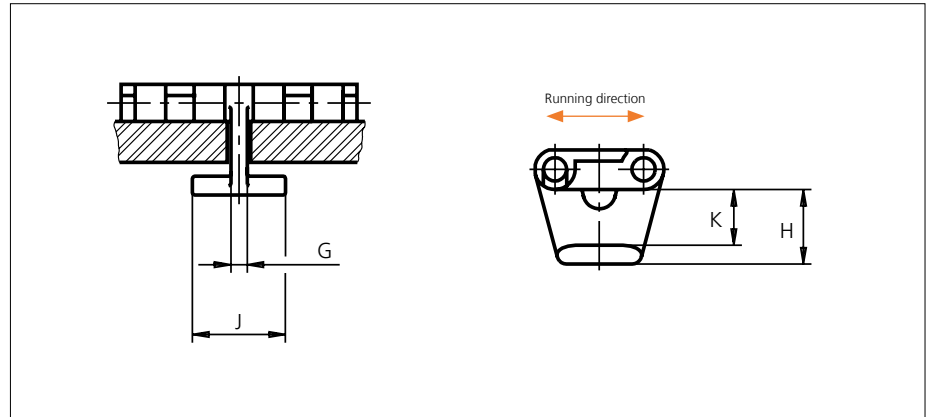


Type	Side Guard Material & color	H		A		B	
		mm	in	mm	in	mm	in
Closed	PP-I <b>W</b> <b>G</b>	31.4	1.24	15.0	0.59	25.0	0.98

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

## Accessories

### Tab



Type	Tab 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	20.0	0.79	11.7	0.46	15.9	0.63

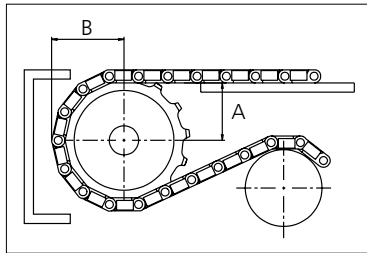
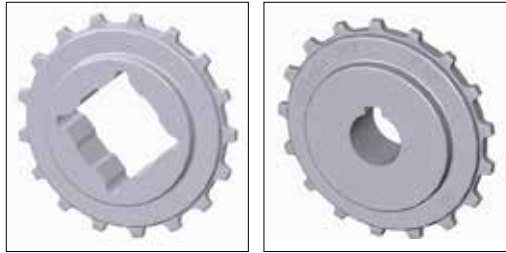
Non Standard material and color: See uni Material and Color Overview.

## 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		in	0.75	0.78	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	●	●										42.6	1.68	43.9	1.73	30.0	1.18	15.4	0.61	26.3	1.04	x		x		
Z10	x				●	●							61.7	2.43	61.6	2.43	45.0	1.77	25.0	0.98	35.2	1.39	x		x		
Z17	x			●	●	●	●	■	■				105.0	4.13	103.7	4.08	65.0	2.56	46.6	1.83	56.2	2.21	x		x		
Z24	x				●	●	●	■	■	●			147.2	5.80	146.0	5.75	70.0	2.76	68.0	2.68	77.3	3.04	x		x		
Z25	x					●	●	●	■	■			153.3	6.04	152.0	5.98	70.0	2.76	71.0	2.80	80.3	3.16	x		x		

■ Molded sprocket

● Molded sprocket



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 = 4.8 mm (0.19 in)  
 Width of sprocket = 25.0 mm (0.98 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.  
 For more detailed sprocket information, contact Customer Service.

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



Solid advice  
 For all your belting needs  
 Local stock & service  
[www.ammeraalbeltech.com](http://www.ammeraalbeltech.com)

**Ammeraal Beltech Modular A/S**  
 Hjulmagervej 21  
 DK-7100 Vejle

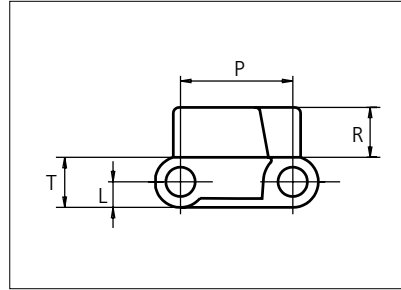
T +45 7572 3100  
 F +45 7572 3348  
 admin@unichains.com  
 www.unichains.com

This information is subject to alteration due to continuous development. Ammeraal Beltech will not be held liable for the incorrect use of the above stated information. This information replaces previous information. All activities performed and services rendered by Ammeraal Beltech are subject to general terms and conditions of sale and delivery, as applied by its operating companies.



# Plastic Modular Belt

Series **uni Light** Type **Rib**



Straight running belt  
 Nominal pitch: 19.1 mm (0.75 in)  
 Surface type: Rib Top  
 Surface opening: Closed  
 Backflex radius: 50.0 mm (2.0 in)  
 Pin diameter:  $\varnothing$ 5.0 mm (0.20 in)

Recommended Belt material & color	POM-LF <b>G</b>	mm	in		mm	in	
		P (Nominal)	19.1	0.75	T	8.5	0.33
Recommended Pin material & color	PA6.6 <b>N</b>	L	4.3	0.17	R	7.3	0.29

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

Alternative pin and lock materials: Pin: PE **W** PP **W** PA6.6 **N** **B** PBT **LG** SS304 **W** Lockpin: PBT **LG** PA6.6 **D** **N** PP **W** **B**

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-LF/PA6.6		PP/PA6.6		PA6/PBT-GR		POM-LF/PA6.6		PP/PA6.6		PA6/PBT-GR			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft	kg/m	lb/ft			
77	3.0	789	177	395	89	789	177	0.5	0.35	0.4	0.25	0.4	0.29	2	2	2
153	6.0	1572	353	786	177	1572	353	1.0	0.70	0.7	0.49	0.9	0.58	2	2	2
230	9.0	2355	529	1177	265	2355	529	1.6	1.05	1.1	0.74	1.3	0.86	2	2	2
306	12.1	3138	705	1569	353	3138	705	2.1	1.40	1.5	0.99	1.7	1.15	3	3	2
383	15.1	3921	881	1960	441	3921	881	2.6	1.75	1.8	1.23	2.1	1.44	3	3	2
459	18.1	4704	1057	2352	529	4704	1057	3.1	2.10	2.2	1.48	2.6	1.73	4	4	2
535	21.1	5486	1233	2743	617	5486	1233	3.6	2.45	2.6	1.73	3.0	2.01	4	4	2
612	24.1	6269	1409	3135	705	6269	1409	4.2	2.80	2.9	1.97	3.4	2.30	5	5	3
688	27.1	7052	1585	3526	793	7052	1585	4.7	3.14	3.3	2.22	3.9	2.59	5	5	3
764	30.1	7835	1761	3918	881	7835	1761	5.2	3.49	3.7	2.47	4.3	2.88	6	6	3
841	33.1	8618	1937	4309	969	8618	1937	5.7	3.84	4.0	2.71	4.7	3.16	6	6	3
917	36.1	9401	2113	4700	1057	9401	2113	6.2	4.19	4.4	2.96	5.1	3.45	7	7	4
994	39.1	10184	2289	5092	1145	10184	2289	6.8	4.54	4.8	3.20	5.6	3.74	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 19.1 mm (0.75 in.)

1910	75.2	19578	4401	9789	2201	19578	4401	13.0	8.73	9.2	6.16	10.7	7.19	13	13	7
------	------	-------	------	------	------	-------	------	------	------	-----	------	------	------	----	----	---

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 19.1 mm (0.75 in.)

2980	117.3	30545	6867	15273	3433	30545	6867	20.3	13.62	14.3	9.61	16.7	11.22	20	20	10
------	-------	-------	------	-------	------	-------	------	------	-------	------	------	------	-------	----	----	----

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-LF 1250 N (281 lbf), PP 700 N (157 lbf), PA6 1250 N (281 lbf)

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



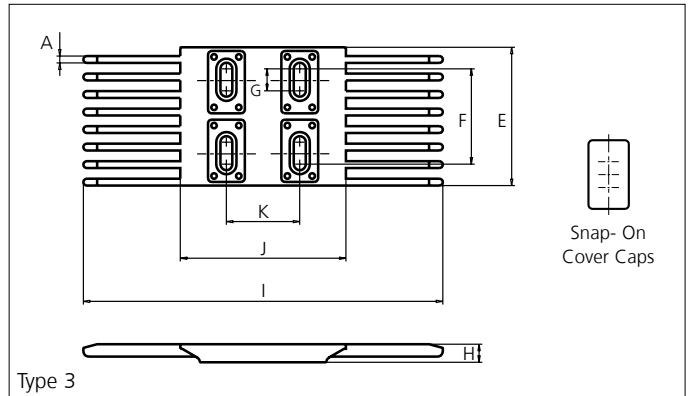
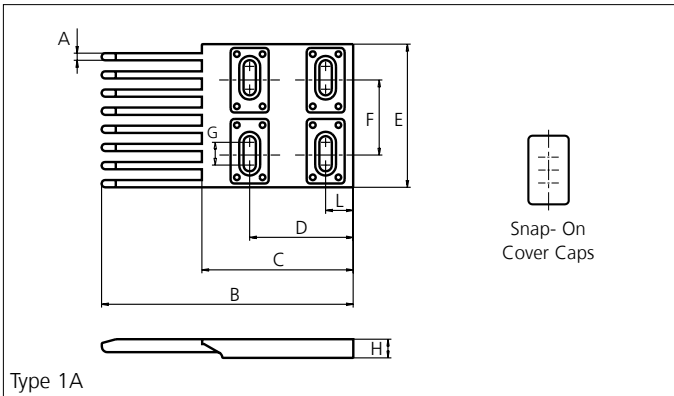
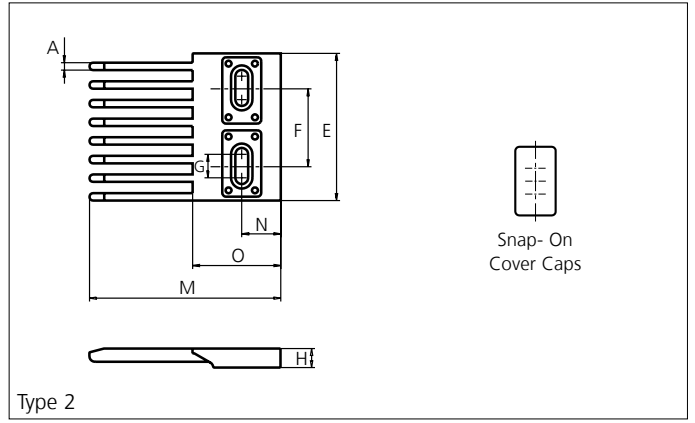
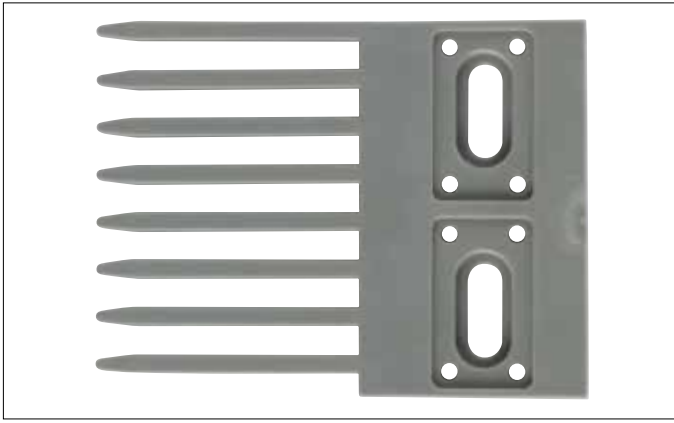
NON STANDARD

STRAIGHT RUNNING

PITCH 19.1 MM/0.75 IN

## Accessories

### Finger Plate



Type	Material & color	A		B		C		D		E		F	
		mm	in	mm	in	mm	in	mm	in	mm	in	mm	in
Single Sided	POM-LF <b>BR</b>	3.8	0.15	132.9	5.23	80.0	3.15	14.9	0.59	75.4	2.97	40.0	1.57
Single Sided	POM-DI <b>G</b>												
Double Sided	POM-EC <b>K</b>												

G		H		I		J		K		L		M		N		O	
mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in
12.0	0.47	10.0	0.39	197.1	7.76	90.3	3.56	40.0	1.57	54.5	2.15	98.9	3.89	20.0	0.79	45.2	1.78

All uni-chains belt systems are available in a raised rib version that can be supplied with matching finger plates, also called combs. The finger plates are supplied with cover caps which can be attached when the finger plate has been installed. The cover caps can be removed by using a screwdriver that can be inserted between the cover and finger plate. In order to adjust to belt width variations caused by temperature fluctuations, a slider facilitates the sideways movement of the finger plates.

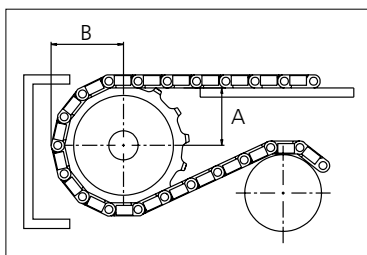
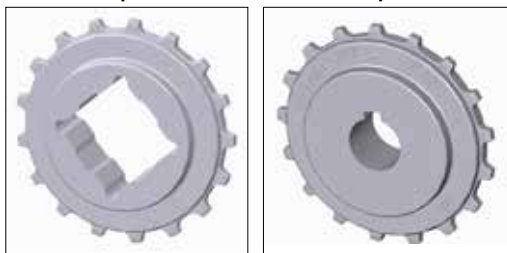
Non Standard material and color: See uni Material and Color Overview.

## 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	x		●	●										42.6	1.68	43.9	1.73	30.0	1.18	15.4	0.61	26.3	1.04	x		x	
Z10	x					●	●							61.7	2.43	61.6	2.43	45.0	1.77	25.0	0.98	35.2	1.39	x		x	
Z17	x				●	●	●	●	■	■				105.0	4.13	103.7	4.08	65.0	2.56	46.6	1.83	56.2	2.21	x		x	
Z24	x					●	●	●	■	■	●			147.2	5.80	146.0	5.75	70.0	2.76	68.0	2.68	77.3	3.04	x		x	
Z25	x						●	●	●	■	■			153.3	6.04	152.0	5.98	70.0	2.76	71.0	2.80	80.3	3.16	x		x	

■ Molded sprocket

● Molded sprocket



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 = 4.8 mm (0.19 in)  
 Width of sprocket = 25.0 mm (0.98 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.  
 For more detailed sprocket information, contact Customer Service.

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



Conveyor



Seamless



Modular



Timing



Transmission



Fabrication & service

*Solid advice*  
*For all your belting needs*  
*Local stock & service*  
[www.ammeraalbeltech.com](http://www.ammeraalbeltech.com)

**Ammeraal Beltech Modular A/S**  
Hjulmagervej 21  
DK-7100 Vejle

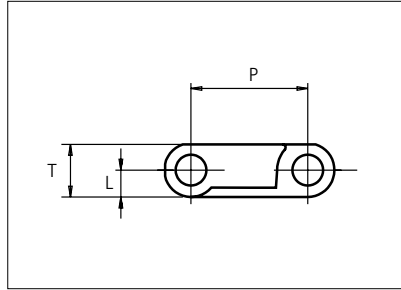
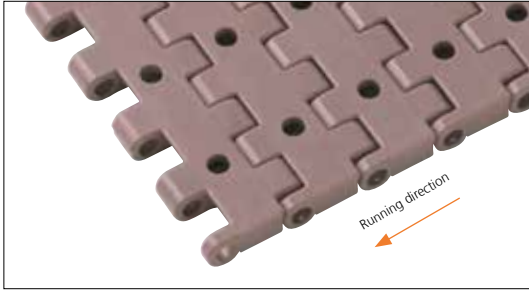
T +45 7572 3100  
F +45 7572 3348  
admin@unichains.com  
www.unichains.com

This information is subject to alteration due to continuous development. Ammeraal Beltech will not be held liable for the incorrect use of the above stated information. This information replaces previous information. All activities performed and services rendered by Ammeraal Beltech are subject to general terms and conditions of sale and delivery, as applied by its operating companies.



# Plastic Modular Belt

Series **uni Light** Type **Vacuum**



Straight running belt  
 Nominal pitch: 19.1 mm (0.75 in)  
 Surface type: Flat  
 Surface opening: Closed  
 Backflex radius: 25.0 mm (1.0 in)  
 Pin diameter:  $\varnothing$ 3.9 mm (0.15 in)

Recommended Belt material & color	POM-LF <b>BR</b>	mm	in	mm	in		
		P (Nominal)	19.1	0.75	T	8.5	0.33
Recommended Pin material & color	PA6.6 <b>N</b>	L	4.3	0.17	-	-	-

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

Alternative pin and lock materials: Pin: PE **W** PP **W** PA6.6 **N** **B** PBT **LG** SS304 PP **W** Lockpin: PBT **LG** PA6.6 **D** **N** PP **W** **B**

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-LF/PA6.6		PP/PA6.6		PA6/PBT-GR		POM-LF/PA6.6		PP/PA6.6		PA6/PBT-GR			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	N	lbf	N	lbf	kg/m	lb/ft	kg/m	lb/ft	kg/m	lb/ft			
77	3.0	789	177	395	89	789	177	0.5	0.35	0.4	0.25	0.4	0.29	2	2	2
153	6.0	1572	353	786	177	1572	353	1.0	0.70	0.7	0.49	0.9	0.58	2	2	2
230	9.0	2355	529	1177	265	2355	529	1.6	1.05	1.1	0.74	1.3	0.86	2	2	2
306	12.1	3138	705	1569	353	3138	705	2.1	1.40	1.5	0.99	1.7	1.15	3	3	2
383	15.1	3921	881	1960	441	3921	881	2.6	1.75	1.8	1.23	2.1	1.44	3	3	2
459	18.1	4704	1057	2352	529	4704	1057	3.1	2.10	2.2	1.48	2.6	1.73	4	4	2
535	21.1	5486	1233	2743	617	5486	1233	3.6	2.45	2.6	1.73	3.0	2.01	4	4	2
612	24.1	6269	1409	3135	705	6269	1409	4.2	2.80	2.9	1.97	3.4	2.30	5	5	3
688	27.1	7052	1585	3526	793	7052	1585	4.7	3.14	3.3	2.22	3.9	2.59	5	5	3
764	30.1	7835	1761	3918	881	7835	1761	5.2	3.49	3.7	2.47	4.3	2.88	6	6	3
841	33.1	8618	1937	4309	969	8618	1937	5.7	3.84	4.0	2.71	4.7	3.16	6	6	3
917	36.1	9401	2113	4700	1057	9401	2113	6.2	4.19	4.4	2.96	5.1	3.45	7	7	4
994	39.1	10184	2289	5092	1145	10184	2289	6.8	4.54	4.8	3.20	5.6	3.74	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 19.1 mm (0.75 in.)

1910	75.2	19578	4401	9789	2201	19578	4401	13.0	8.73	9.2	6.16	10.7	7.19	13	13	7
------	------	-------	------	------	------	-------	------	------	------	-----	------	------	------	----	----	---

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 19.1 mm (0.75 in.)

2980	117.3	30545	6867	15273	3433	30545	6867	20.3	13.62	14.3	9.61	16.7	11.22	20	20	10
------	-------	-------	------	-------	------	-------	------	------	-------	------	------	------	-------	----	----	----

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-LF 1250 N (281 lbf), PP 700 N (157 lbf), PA6 1250 N (281 lbf)

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



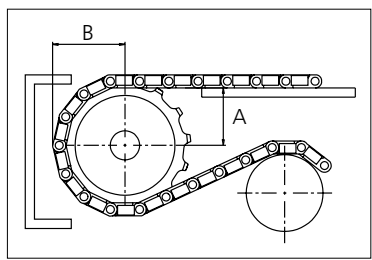
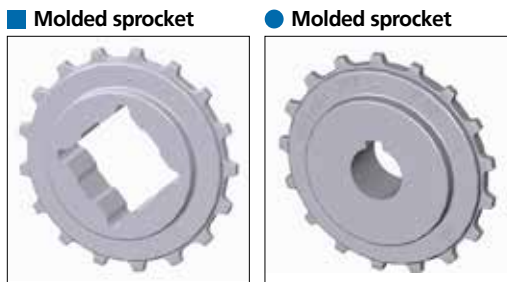
NON STANDARD

STRAIGHT RUNNING

PITCH 19.1 MM/0.75 IN

## 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		in	0.75	0.78	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	●	●										42.6	1.68	43.9	1.73	30.0	1.18	15.4	0.61	26.3	1.04	x		x		
Z10	x				●	●							61.7	2.43	61.6	2.43	45.0	1.77	25.0	0.98	35.2	1.39	x		x		
Z17	x			●	●	●	●	■	■				105.0	4.13	103.7	4.08	65.0	2.56	46.6	1.83	56.2	2.21	x		x		
Z24	x				●	●	●	■	■	●			147.2	5.80	146.0	5.75	70.0	2.76	68.0	2.68	77.3	3.04	x		x		
Z25	x					●	●	●	●	■	■		153.3	6.04	152.0	5.98	70.0	2.76	71.0	2.80	80.3	3.16	x		x		



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 = 4.8 mm (0.19 in)  
 Width of sprocket = 25.0 mm (0.98 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.  
 For more detailed sprocket information, contact Customer Service.

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



Solid advice  
 For all your belting needs  
 Local stock & service  
[www.ammeraalbeltech.com](http://www.ammeraalbeltech.com)

**Ammeraal Beltech Modular A/S**  
 Hjulmagervej 21  
 DK-7100 Vejle

T +45 7572 3100  
 F +45 7572 3348  
 admin@unichains.com  
 www.unichains.com

This information is subject to alteration due to continuous development. Ammeraal Beltech will not be held liable for the incorrect use of the above stated information. This information replaces previous information. All activities performed and services rendered by Ammeraal Beltech are subject to general terms and conditions of sale and delivery, as applied by its operating companies.



# Local Contacts

## Austria

T +43 171728 133  
info-de@ammeraalbeltech.com  
www.ammeraalbeltech.at

## Belgium

T +32 2 466 03 00  
info-be@ammeraalbeltech.com  
www.ammeraalbeltech.be

## Canada

T +1 905 890 1311  
info-ca@ammeraalbeltech.com  
www.ammeraalbeltech.com

## Chile

T +56 2 233 12900  
info-cl@ammeraalbeltech.com  
www.ammeraalbeltech.cl

## China

T +86 512 8287 2709  
info-cn@ammeraalbeltech.com  
www.ammeraalbeltech.com.cn

## Czech Republic

T +420 567 117 211  
info-cz@ammeraalbeltech.com  
www.ammeraalbeltech.cz

## Denmark

T + 45 7572 3100  
info-dk@ammeraalbeltech.com  
www.unichains.com

## Finland

T +358 207 911 400  
info-fi@ammeraalbeltech.com  
www.ammeraalbeltech.fi

## France

T +33 3 20 90 36 00  
info-fr@ammeraalbeltech.com  
www.ammeraalbeltech.fr

## Germany

T +49 4152 937-0  
info-de@ammeraalbeltech.com  
www.ammeraalbeltech.de

## Hungary

T +36 30 311 6099  
info-hu@ammeraalbeltech.com  
www.ammeraalbeltech.hu

## India

T +91 44 265 34 244  
info-in@ammeraalbeltech.com  
www.ammeraalbeltech.com

## Italy

T +39 051 660 60 06  
info-it@ammeraalbeltech.com  
www.ammeraalbeltech.it

## Luxembourg

T +352 26 48 38 56  
info-lu@ammeraalbeltech.com  
www.ammeraal-beltech.lu

## Malaysia

T +60 3 806 188 49  
info-my@ammeraalbeltech.com  
www.ammeraalbeltech.com

## Netherlands

T +31 72 57 51212  
info-nl@ammeraalbeltech.com  
www.ammeraalbeltech.nl

## Poland

T +48 32 44 77 179  
info-pl@ammeraalbeltech.com  
www.ammeraalbeltech.com

## Portugal

T +351 22 947 94 40  
info-pt@ammeraalbeltech.com  
www.ammeraalbeltech.pt

## Singapore

T +65 62739767  
info-sg@ammeraalbeltech.com  
www.ammeraalbeltech.com

## Slovakia

T +421 2 55648541-2  
info-sk@ammeraalbeltech.com  
www.ammeraalbeltech.sk

## South Korea

T +82 31 448 3613-7  
info-kr@ammeraalbeltech.com  
www.ammeraalbeltech.co.kr

## Spain

T +34 93 718 3054  
info-es@ammeraalbeltech.com  
www.ammeraalbeltech.es

## Sweden

T +46 44 780 3010  
info-se@ammeraalbeltech.com  
www.ammeraalbeltech.se

## Switzerland

T +41 55 2253 535  
info-ch@ammeraalbeltech.com  
www.ammeraalbeltech.ch

## Thailand

T +66 2 902 2604-13  
info-th@ammeraalbeltech.com  
www.ammeraalbeltech.com

## United Kingdom

T +44 1992 500550  
info-uk@ammeraalbeltech.com  
www.ammeraalbeltech.co.uk

## United States

T +1 847 673 6720  
info-us@ammeraalbeltech.com  
www.ammeraalbeltech.com

## Vietnam

T +84 8 376 562 05  
info-vn@ammeraalbeltech.com  
www.ammeraalbeltech.com.vn

## Global Headquarters:

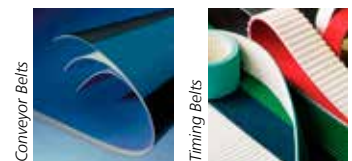
### Ammeraal Beltech Holding B.V.

P.O. Box 38  
1700 AA Heerhugowaard  
The Netherlands

T +31 (0)72 575 1212  
F +31 (0)72 571 6455

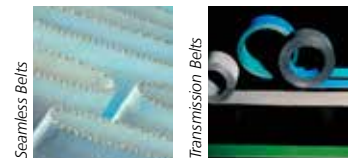
info@ammeraalbeltech.com  
www.ammeraalbeltech.com

Expert advice, quality solutions  
and local service  
for all your belting needs



Conveyor Belts

Timing Belts



Seamless Belts

Transmission Belts



Modular Belts

Fabrication & service

... and 150 more service contact points on [www.ammeraalbeltech.com](http://www.ammeraalbeltech.com)