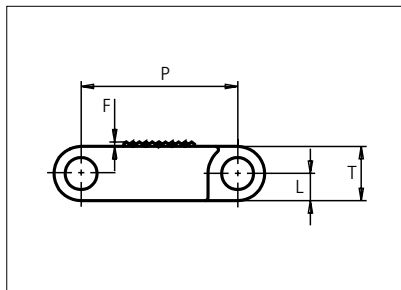




# Plastic Modular Belt

Series **uni QNB** Type **Rough**



Straight running belt  
 Nominal pitch: 25.4 mm (1.00 in)  
 Surface type: Rough Top  
 Surface opening: Closed  
 Backflex radius: 40.0 mm (1.57 in)  
 Pin diameter: 5.0 mm (0.31 in)

<b>Belt material &amp; color</b>	POM-SLF <b>B</b>		<b>mm</b>	<b>in</b>		<b>mm</b>	<b>in</b>
<b>Pin material &amp; color</b>	PP <b>B</b>	<b>P (Nominal)</b>	25.4	1.00	<b>L</b>	4.4	0.17
		<b>F</b>	0.8	0.03	<b>T</b>	8.8	0.35

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

Alternative pin and lock materials: Solid Lockpin: PA6.6 **D** Pin: PP **W** PA6.6 **B** PE **W** PBT **LG** and SS304 Endlock: PP **D**  
 Lockpin: PBT **LG** PA6.6 **D** **N** PP **B** **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-SLF/PP		POM-SLF/PP			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	kg/m	lb/ft			
77	3.0	2695	606	0.6	0.43	2	2	2
153	6.0	5355	1204	1.3	0.86	2	2	2
229	9.0	8015	1802	1.9	1.29	2	2	2
305	12.0	10675	2400	2.6	1.72	3	3	2
382	15.0	13370	3006	3.2	2.16	3	3	2
458	18.0	16030	3604	3.8	2.59	4	4	2
534	21.0	18690	4202	4.5	3.01	4	4	2
610	24.0	21350	4799	5.1	3.44	5	5	3
687	27.0	24045	5405	5.8	3.88	5	5	3
763	30.0	26705	6003	6.4	4.31	6	6	3
839	33.0	29365	6601	7.0	4.74	6	6	3
915	36.0	32025	7199	7.7	5.17	7	7	4
992	39.1	34720	7805	8.3	5.60	7	7	4

Additional standard belt widths are available in steps of 76.3 mm (3.00 in). Additional non-standard belt widths are available in steps of 25.4 mm (1.00 in).

1983	78.1	69405	15602	16.7	11.19	14	14	7
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Additional standard belt widths are available in steps of 76.3 mm (3.00 in). Additional non-standard belt widths are available in steps of 25.4 mm (1.00 in).

2974	117.1	104090	23399	25.0	16.79	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-SLF 2300 N (517 lbf), PP 1300 N (292 lbf).

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

= Single Link



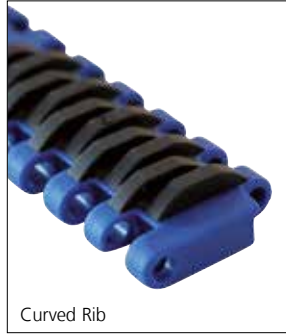
STANDARD

STRAIGHT RUNNING

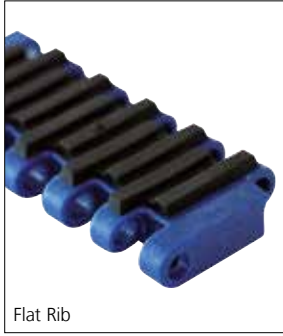
PITCH 25.4 MM/1.00 IN

## Accessories

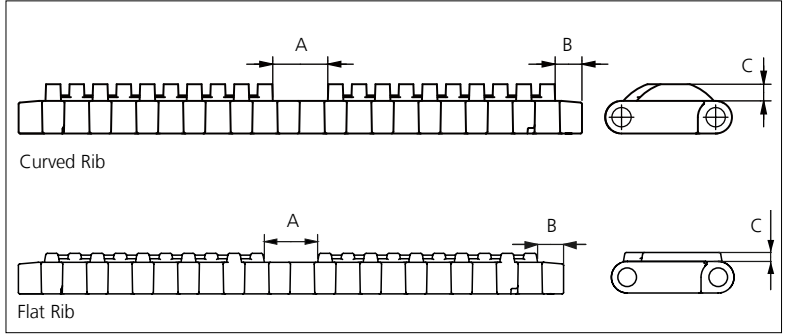
### Rubber Top



Curved Rib



Flat Rib



Curved Rib

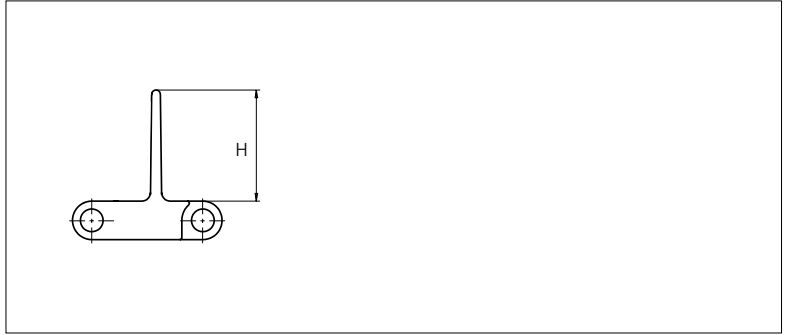
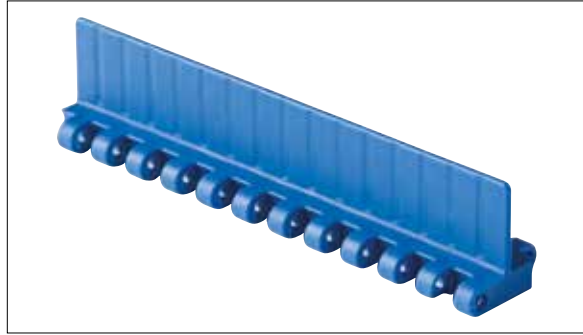
Flat Rib

Type	Belt Material & color	Rubber Material & color	A		B		C		Link size	Width	
			mm	in	mm	in	mm	in		mm	in
Curved Rib	PP <b>B</b>	03 <b>K</b>	14.9	0.59	7.3	0.29	4.5	0.18	K300	75.8	2.98
			K600	152.0	5.98						
Flat Rib	PP <b>B</b>	03 <b>K</b>	14.85	0.58	7.25	0.29	2.5	0.10	K300	75.8	2.98
			K600	152.0	5.98						

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

## Accessories

### Flight

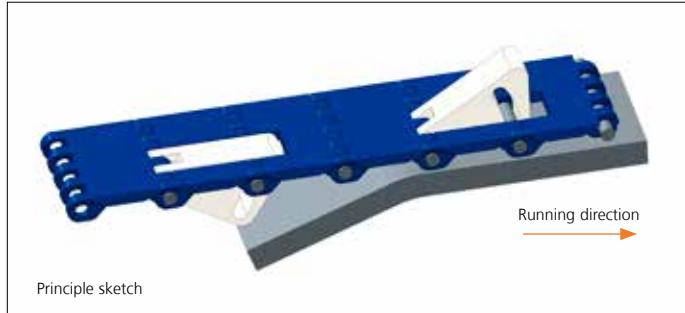


Type	Flight Material & color	H		Link size	Width		Indent	
		mm	in		mm	in	mm	in
Non Stick	PP-I <b>B W</b>	25.4	1.00	K600	152.0	5.98	0.0	0.00
	POM-SLF <b>B</b>							

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

## Accessories

### Non Standard uni AmFlight



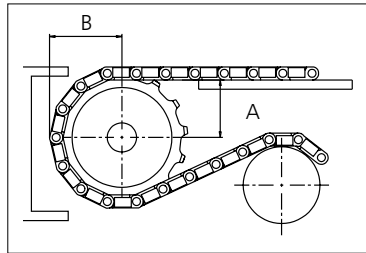
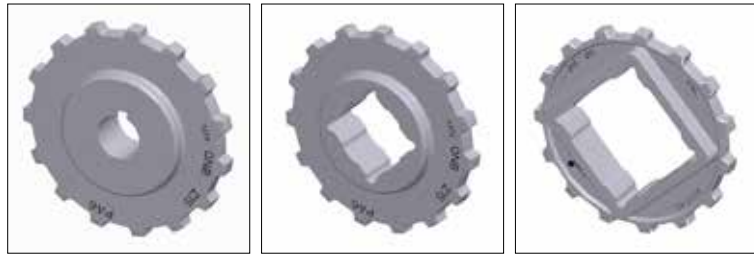
Principle sketch

Other Non Standard option: See uni AmFlight Overview.

## 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 PA6 LG	Machined PA6 N	
	Pilot bore	in	1.00	1.18	1.25	1.50	1.57	2.36	2.50																
	mm	25.4	30.0	31.8	38.1	40.0	60.0	63.5	mm	in	mm	in	mm	in	mm	in	mm	in							
Z10	x		●	●	●	■	●				80.3	3.16	82.2	3.24	65.0	2.56	34.7	1.36	45.5	1.79	x		x		
Z12	x		●	●	●	■	■				96.8	3.81	98.1	3.86	70.0	2.76	43.0	1.69	53.5	2.11	x		x		
Z15	x			●	●	■	■	■	■	2	1	121.5	4.78	122.2	4.81	70.0 100.0 104.0	2.76 3.94 4.09	55.4	2.18	65.5	2.58	x		x	
Z18	x			●	●	■	■	■	■	2	1	146.0	5.75	146.3	5.76	70.0 104.0 120.0	2.76 4.09 4.72	67.6	2.66	77.5	3.05	x		x	
Z19	x			●	●	■	■	■	■	1	1	154.2	6.07	154.3	6.07	70.0 120.0	2.76 4.72	71.7	2.82	81.6	3.21	x		x	

● Moulded sprocket ■ Moulded sprocket ■ Moulded sprocket



Same sprocket type as for the uni QNB serie.  
 Other sprocket sizes are available upon request.  
 Two-part sprockets 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 = 10.0 mm (0.39 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 QNB.  
 For more detailed sprocket information, contact Customer Service.

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



Conveyor Belts



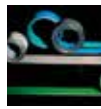
Seamless Belts



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

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

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