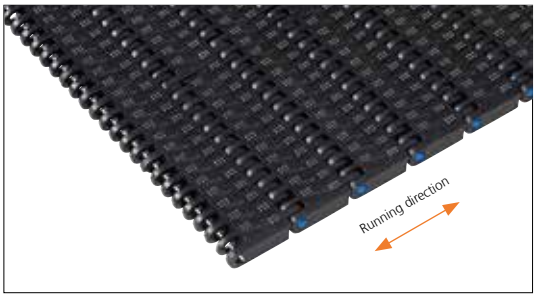
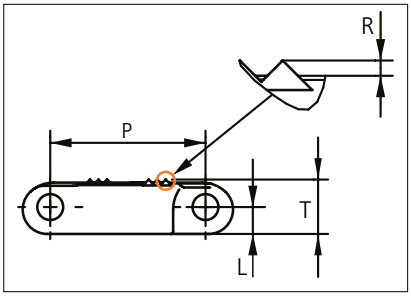
EN

Plastic Modular Belt

Ammeraal Beltech
Innovation & Service in Belting

Series **uni LPB** Type **Rough** Material **POX-FREC**





Straight running belt
Nominal pitch: 25.4 mm (1.00 in)
Surface type: Rough (R11)
Surface opening: Closed
Backflex radius: 25.0 mm (0.98 in)
Pin diameter: 4.0 mm (0.16 in)

STANDARD

STRAIGHT RUNNING

PITCH 25.4 MM/1.00 IN

Belt material & color	POX-FREC **K**
Pin material & color	PA6.6 **B**

	mm	in		mm	in
P (Nominal)	25.4	1.00	**R**	0.9	0.04
L	4.4	0.17	**T**	8.9	0.35

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

Alternative pin and lock materials: Lockpin: 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)	
		POX-FREC/PA66		POX-FREC/PA66			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	Kg/m	lb/ft			
153	6.0	3481	782	1.0	0.65	2	1	1
229	9.0	5210	1171	1.4	0.97	2	1	1
306	12.0	6962	1565	1.9	1.30	3	3	2
382	15.0	8691	1954	2.4	1.62	3	3	2
458	18.0	10420	2342	2.9	1.94	4	4	2
534	21.0	12149	2731	3.4	2.26	4	4	2
611	24.1	13900	3125	3.8	2.59	5	5	3
687	27.0	15629	3513	4.3	2.91	5	5	3
763	30.0	17358	3902	4.8	3.23	6	6	3
839	33.0	19087	4291	5.3	3.55	6	6	3
916	36.1	20839	4685	5.8	3.88	7	7	4
992	39.1	22568	5073	6.2	4.20	7	7	4

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 76.5 mm (3.01 in).

1983	78.1	45113	10141	12.5	8.40	14	14	7

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 76.5 mm (3.01 in).

2977	117.2	67727	15225	18.8	12.60	20	20	10

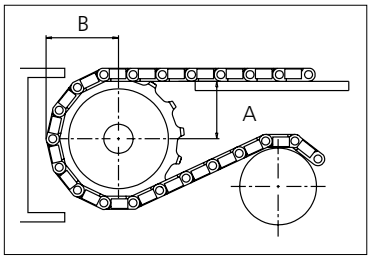
General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.
*Max. Load per Drive Sprocket. Belt material: POX-FREC 2300 N (517 lbf).
**Full Carry way support (FS) deck of wearstrip material recommended for safe walk belts.
***Return belt support via free running gravity rollers recommended to avoid marking safe walk belt surface.
Surface grip in material POX-FREC (R11).
= Single Link

uni chains

Sprocket

No of teeth	Bore size									Overall diameter		Pitch-diameter		Hub-diameter		A-dimen-sion		B-dimen-sion		Single row/Two way	Double row/Two way	LG PA6 Molded	N PA6 Machined
	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 [1]100.0 [2]104.0	2.76 [1]3.94 [2]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 [2]104.0 [1]120.0	2.76 [2]4.09 [1]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 [1]120.0	2.76 [1]4.72	71.7	2.82	81.6	3.21	x		x	

● **Moulded sprocket** ■ **Moulded sprocket** ■ **Moulded sprocket**



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

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 LPB.
For more detailed sprocket information. contact Customer Service.

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

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