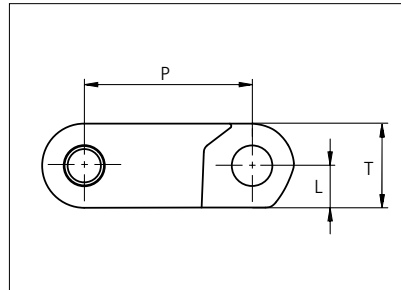
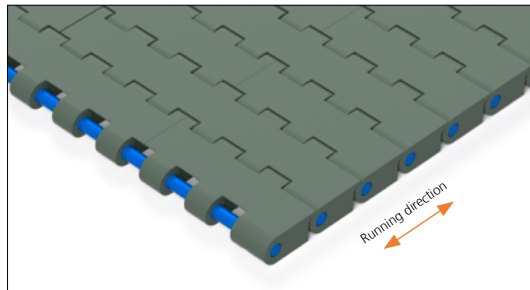




Plastic Modular Belt

Series **uni ITB** Type **Closed**



Straight running belt
Nominal pitch: 25.4 mm (1.00 in)
Surface type: Flat
Surface opening: Closed
Backflex radius: 40 mm (1.57 in)
Pin diameter: 6.00 mm (0.24 in)

Belt material & color	POM-D G	POM-SLF B	mm	in	mm	in
	PA6.6 K	DRX LB				
Pin and lock material & color	SS431 SS with PP O	PA6.6 B	P (Nominal)	T	L	
			25.4	1.00	12.7	0.50
			6.35	0.25		

Non standard material and color: See uni Material and Color Overview. Alternative pin and lock systems: Contact Customer Service.

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		POM-SLF / PA6.6		POM-D / PA6.6		POM-SLF / PA6.6			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	N	lbf	Kg/m	lb/ft	Kg/m	lb/ft			
153	6.0	6120	1376	6120	1376	2.0	1.37	2.0	1.37	2	2	2
229	9.0	9160	2059	9160	2059	3.0	2.05	3.0	2.05	2	2	2
306	12.0	12240	2752	12240	2752	4.1	2.74	4.1	2.74	3	2	2
382	15.0	15280	3435	15280	3435	5.1	3.41	5.1	3.41	3	2	2
458	18.0	18320	4118	18320	4118	6.1	4.09	6.1	4.09	4	2	3
534	21.0	21360	4802	21360	4802	7.1	4.77	7.1	4.77	4	2	3
610	24.0	24400	5485	24400	5485	8.1	5.45	8.1	5.45	5	3	3
687	27.0	27480	6178	27480	6178	9.1	6.14	9.1	6.14	5	3	3
763	30.0	30520	6861	30520	6861	10.1	6.82	10.1	6.82	6	3	4
839	33.0	33560	7544	33560	7544	11.2	7.50	11.2	7.50	6	3	4
915	36.0	36600	8228	36600	8228	12.2	8.18	12.2	8.18	7	3	4
991	39.0	39640	8911	39640	8911	13.2	8.86	13.2	8.86	7	4	4
1068	42.0	42720	9603	42720	9603	14.2	9.55	14.2	9.55	8	4	5
1144	45.0	45760	10287	45760	10287	15.2	10.23	15.2	10.23	8	4	5
1220	48.0	48800	10970	48800	10970	16.2	10.90	16.2	10.90	9	5	5

General belt tolerance is +0/-0.4% at 23°C/73°F 50% RH. For exact belt width contact Customer Service.

Standard belt width increment is 25.4 mm (1.00 in)

*Max. Load per Drive Sprocket. Belt material: POM 3000 N (674 lbf)

**Max. Spacing between wear strips, Carry: 150 mm (5.9 in) ; Return: 300 mm (11.8 in)

See more belt widths on next page...

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		POM-SLF / PA6.6		POM-D / PA6.6		POM-SLF / PA6.6			**Carry (pcs)	**Return (pcs)
mm	in	N	lbf	N	lbf	Kg/m	lb/ft	Kg/m	lb/ft			
1296	51.0	51840	11654	51840	11654	17.2	11.58	17.2	11.58	9	5	5
1372	54.0	54880	12337	54880	12337	18.2	12.26	18.2	12.26	10	5	5
1449	57.0	57960	13029	57960	13029	19.3	12.95	19.3	12.95	10	5	5
1525	60.0	61000	13713	61000	13713	20.3	13.63	20.3	13.63	11	6	6
1601	63.0	64040	14396	64040	14396	21.3	14.31	21.3	14.31	11	6	6
1677	66.0	67080	15080	67080	15080	22.3	14.99	22.3	14.99	12	6	6
1753	69.0	70120	15763	70120	15763	23.3	15.67	23.3	15.67	12	6	6
1830	72.0	73200	16455	73200	16455	24.4	16.36	24.4	16.36	13	7	7
1906	75.0	76240	17139	76240	17139	25.3	17.04	25.3	17.04	13	7	7
1982	78.0	79280	17822	79280	17822	26.4	17.72	26.4	17.72	14	7	7
2058	81.0	82320	18506	82320	18506	27.4	18.39	27.4	18.39	14	7	7
2134	84.0	85360	19189	85360	19189	28.4	19.07	28.4	19.07	15	8	8
2211	87.0	88440	19881	88440	19881	29.4	19.76	29.4	19.76	15	8	8
2287	90.0	91480	20565	91480	20565	30.4	20.44	30.4	20.44	16	8	8
2363	93.0	94520	21248	94520	21248	31.4	21.12	31.4	21.12	16	8	8
2439	96.0	97560	21931	97560	21931	32.4	21.80	32.4	21.80	17	9	9
2515	99.0	100600	22615	100600	22615	33.4	22.48	33.4	22.48	17	9	9
2592	102.0	103680	23307	103680	23307	34.5	23.17	34.5	23.17	18	9	9
2668	105.0	106720	23991	106720	23991	35.5	23.85	35.5	23.85	18	9	9
2744	108.0	109760	24674	109760	24674	36.5	24.53	36.5	24.53	19	10	10
2820	111.0	112800	25357	112800	25357	37.5	25.21	37.5	25.21	19	10	10
2896	114.0	115840	26041	115840	26041	38.5	25.89	38.5	25.89	20	10	10
2973	117.0	118920	26733	118920	26733	39.5	26.57	39.5	26.57	20	10	10
3049	120.0	121960	27417	121960	27417	40.6	27.25	40.6	27.25	21	11	11
3125	123.0	125000	28100	125000	28100	41.6	27.93	41.6	27.93	21	11	11
3201	126.0	128040	28783	128040	28783	42.6	28.61	42.6	28.61	22	11	11
3277	129.0	131080	29467	131080	29467	43.6	29.29	43.6	29.29	22	11	11
3354	132.0	134160	30159	134160	30159	44.6	29.98	44.6	29.98	23	12	12

General belt tolerance is +0/-0.4% at 23°C/73°F 50% RH. For exact belt width contact Customer Service.

Standard belt width increment is 25.4 mm (1.00 in)

*Max. Load per Drive Sprocket. Belt material: POM 3000 N (674 lbf)

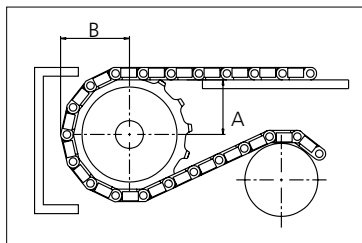
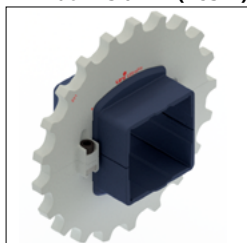
**Max. Spacing between wear strips, Carry: 150 mm (5.9 in) ; Return: 300 mm (11.8 in)

uni UltraFit Two-Part Sprocket

No. of teeth	Bore size					Overall diameter		Pitch-diameter		Hub-diameter		Dimension A		Dimension B		Sprocket PA6 	Adapter POM-D 
	in	1.50	1.57	2.36	2.50												
	mm	38.1	40.0	60.0	63.5	mm	in	mm	in	mm	in	mm	in	mm	in		
Z16						134.0	5.28	132.7	5.22	106.0	4.17	58.8	2.31	72.7	2.86		
Z18						150.2	5.91	149.1	5.87	106.0	4.17	67.1	2.64	80.9	3.18		
Z21						174.6	6.87	173.7	6.84	106.0	4.17	79.6	3.13	93.2	3.67		

 Moulded sprocket with narrow adapter
Width: 25.0 mm (0.98 in)

 Moulded sprocket with wider adapter
Width: 75.0 mm (2.95 in)

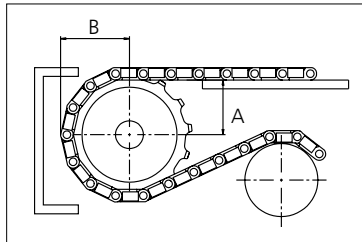
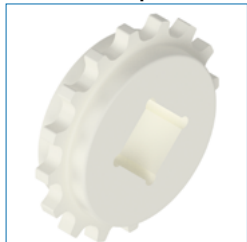
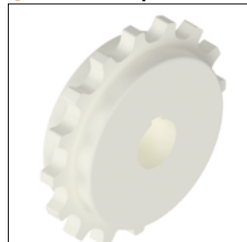


Standard Machined Sprockets

No. of teeth	Bore size						Overall diameter		Pitch-diameter		Hub-diameter		Dimension A		Dimension B		Single row/Two way	Machined PA6 
	in	1.18	1.50	1.57	2.36	2.50												
	mm	30.0	38.1	40.0	60.0	63.5	mm	in	mm	in	mm	in	mm	in	mm	in		
Z12							101.7	4.00	99.9	3.93	70.0	2.76	42.0	1.65	56.3	2.21		
Z15							125.9	4.96	124.5	4.90	95.0	3.74	54.6	2.15	68.6	2.70		
Z16							134.0	5.28	132.7	5.22	105.0	4.13	58.8	2.31	72.7	2.86		
Z18							150.2	5.91	149.1	5.87	120.0	4.72	67.1	2.64	80.9	3.18		
Z21							174.6	6.87	173.7	6.84	135.0	5.31	79.6	3.13	93.2	3.67		
Z24							198.9	7.83	198.4	7.81	160.0	6.30	92.0	3.62	105.5	4.15		

 Machined sprocket

 Machined sprocket



Max load per sprocket shown does not take bore size into account. Other sprocket sizes are available upon request.

Please also ensure that sufficient size shaft is chosen for corresponding load.

Width of tooth: 10.0 mm (0.39 in)

Hub width of one-part sprocket: 37.0 mm (1.46 in)



uni Retainer Rings: See uni Retainer Ring data sheet:
<https://app.eptool.online/downloads?query=retainer+ring>

uni ITB/2025.10.07



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