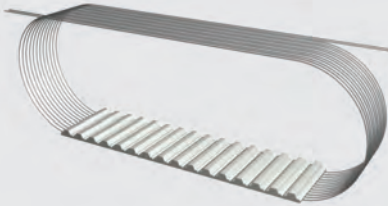


Truly Endless "BFX"

Specifications



Widths (mm) In between widths available	10	12	16	20	25	32	50	75	100	150
Lengths	See Standard Lengths Below Additional lengths available up to 22,000mm. In between lengths available starting at a minimum length of 720mm.									
Available Options	Nylon coating tooth side (PAZ), Double-sided (DL), Polyurethane cover (T-cover), Extra thickness (DR)									
Tension Member Options	Steel standard Hi-flex steel Polyurethane sealed steel VA301 Stainless steel VA316 Hi-flex Stainless steel Kevlar®									

Product Performance

Power Transmission	Rotational Speed	Peripheral Speed	Synchronous Pulley	Applications (Example)
≤ 70 kW	ca. 10000 min ⁻¹	ca. 60 ms ⁻¹	ab z=15	Construction machines, pumps, paper-making machines, compressors, textile machines, roller-table drives

Specifications

Timing Belt	Pitch (mm)	Code	Ultimate Tensile Strength (N/10mm belt width)	Maximum Allowable Tensile Strength (N/10mm belt width)	Specific Belt Stiffness Steel Reinforced (Per unit width/length)	Specific Belt Mass (per 10mm belt width, steel reinforced)
AT-Series	AT10	BFX	6400	1600	4.00 x 10 ⁵ N	0.058 kg/m

Minimum Number of Pulley Teeth and Idler Diameter

Pitch (mm)	Min. # of Pulley Teeth (no back bending)	Min. # of Pulley Teeth (with back bending)	Min. Diameter of Flat Idler running on tooth side (mm)	Min. Diameter of Flat Idler running on belt back (mm)
AT10	15	25	50	120

Standard Material

Up to 700 mm	TPUST3
From 700 mm	TPUST1 ²⁾

Standard Lengths

Pitch/Length Version	Number of Teeth	Pitch/Length Version	Number of Teeth	Pitch/Length Version	Number of Teeth	Pitch/Length Version	Number of Teeth
AT10 / 400 BFX	40	AT10 / 920 BFX	92	AT10 / 1420 BFX	142	AT10 / 3350 BFX	335
AT10 / 440 SFX	44	AT10 / 960 BFX	96	AT10 / 1480 BFX	148	AT10 / 3550 BFX	355
AT10 / 500 BFX	50	AT10 / 970 BFX	97	AT10 / 1500 BFX	150	AT10 / 3750 BFX	375
AT10 / 530 BFX	53	AT10 / 980 BFX	98	AT10 / 1530 BFX	153	AT10 / 4000 BFX	400
AT10 / 560 BFX	56	AT10 / 1000 SFX	100	AT10 / 1600 BFX	160	AT10 / 4250 BFX	425
AT10 / 580 SFX	58	AT10 / 1010 BFX	101	AT10 / 1700 BFX	170	AT10 / 4500 BFX	450
AT10 / 600 SFX	60	AT10 / 1050 SFX	105	AT10 / 1720 BFX	172	AT10 / 4750 BFX	475
AT10 / 610 BFX	61	AT10 / 1080 BFX	108	AT10 / 1800 BFX	180	AT10 / 5000 BFX	500
AT10 / 630 BFX	63	AT10 / 1100 BFX	110	AT10 / 1860 BFX	186	AT10 / 5300 BFX	530
AT10 / 660 BFX	66	AT10 / 1150 BFX	115	AT10 / 1900 BFX	190	AT10 / 5600 BFX	560
AT10 / 700 BFX	70	AT10 / 1200 BFX	120	AT10 / 1940 BFX	194	AT10 / 6000 BFX	600
AT10 / 720 BFX	72	AT10 / 1210 BFX	121	AT10 / 2000 BFX	200	AT10 / 6300 BFX	630
AT10 / 730 SFX	73	AT10 / 1240 BFX	124	AT10 / 2120 BFX	212	AT10 / 6700 BFX	670
AT10 / 780 BFX	78	AT10 / 1250 BFX	125	AT10 / 2240 BFX	224	AT10 / 7100 BFX	710
AT10 / 800 BFX	80	AT10 / 1280 BFX	128	AT10 / 2360 BFX	236	AT10 / 7500 BFX	750
AT10 / 810 BFX	81	AT10 / 1300 BFX	130	AT10 / 2500 BFX	250	AT10 / 8000 BFX	800
AT10 / 840 BFX	84	AT10 / 1320 BFX	132	AT10 / 2650 BFX	265	AT10 / 9000 BFX	900
AT10 / 850 BFX	85	AT10 / 1350 BFX	135	AT10 / 2800 BFX	280		
AT10 / 880 BFX	88	AT10 / 1360 BFX	136	AT10 / 3000 BFX	300		
AT10 / 890 BFX	89	AT10 / 1400 BFX	140	AT10 / 3150 BFX	315		

Stock Pulleys

Tooth Type	Number of Teeth	Outside Diameter	Pitch Circle Diameter	Face Width	Pilot Bore	Part Number
AT10	z	d _k (mm)	d ₀ (mm)	B (mm)	d _v (mm)	
BELT WIDTH = 25 mm	12	36.38	38.20	32	6	LS 42 AT10 / 12-2 hub 28x10
	14	42.74	44.56	32	8	LS 42 AT10 / 14-2 hub 32x10
	15	45.93	57.75	32	8	LS 42 AT10 / 15-2 hub 32x10
	16	49.11	50.93	32	8	LS 42 AT10 / 16-2 hub 35x10
	18	55.48	57.30	32	8	LS 42 AT10 / 18-2 hub 40x10
	19	58.66	60.48	32	8	LS 42 AT10 / 19-2 hub 44x10
	20	61.84	63.66	32	12	LS 42 AT10 / 20-2 hub 46x10
	22	68.21	70.03	32	12	LS 42 AT10 / 22-2 hub 50x10
	24	74.57	76.39	32	12	LS 42 AT10 / 24-2 hub 58x10
	25	77.76	79.58	32	12	LS 42 AT10 / 25-2 hub 60x10
	27	84.12	85.94	32	12	LS 42 AT10 / 27-2 hub 60x10
	30	93.67	95.49	32	12	LS 42 AT10 / 30-2 hub 60x10
	32	100.04	101.86	32	12	LS 42 AT10 / 32-2 hub 65x10
	36	112.77	114.59	32	16	LS 42 AT10 / 36-2 hub 70x10
	40	125.50	127.32	32	16	LS 42 AT10 / 40-2 hub 80x10
	44	138.24	140.06	32	16	LS 42 AT10 / 44-2 hub 90x10
	48	150.97	152.79	32	16	LS 42 AT10 / 48-0 hub 95x10
	60	189.17	190.99	32	16	LS 42 AT10 / 60-0 hub 110x10
BELT WIDTH = 32 mm	18	55.48	57.30	40	8	LS 50 AT10 / 18-2 hub 40x10
	19	58.66	60.48	40	8	LS 50 AT10 / 19-2 hub 44x10
	20	61.84	63.66	40	12	LS 50 AT10 / 20-2 hub 46x10
	22	68.21	70.03	40	12	LS 50 AT10 / 22-2 hub 50x10
	24	74.57	76.39	40	12	LS 50 AT10 / 24-2 hub 58x10
	25	77.76	79.58	40	12	LS 50 AT10 / 25-2 hub 60x10
	27	84.12	85.94	40	12	LS 50 AT10 / 27-2 hub 60x10
	30	93.67	95.49	40	12	LS 50 AT10 / 30-2 hub 60x10
	32	100.04	101.86	40	12	LS 50 AT10 / 32-2 hub 65x10
	36	112.77	114.59	40	16	LS 50 AT10 / 36-2 hub 70x10
	40	125.50	127.32	40	16	LS 50 AT10 / 40-2 hub 80x10
	44	138.24	140.06	40	16	LS 50 AT10 / 44-2 hub 90x10
BELT WIDTH = 50 mm	48	150.97	152.79	40	16	LS 50 AT10 / 48-0 hub 95x10
	60	189.17	190.99	40	16	LS 50 AT10 / 60-0 hub 110x10
	18	55.48	57.30	60	8	LS 70 AT10 / 18-2 hub 40x10
	19	58.66	60.48	60	8	LS 70 AT10 / 19-2 hub 44x10
	20	61.84	63.66	60	12	LS 70 AT10 / 20-2 hub 46x10
	22	68.21	70.03	60	12	LS 70 AT10 / 22-2 hub 50x10
	24	74.57	76.39	60	12	LS 70 AT10 / 24-2 hub 58x10
	25	77.76	79.58	60	12	LS 70 AT10 / 25-2 hub 60x10
	27	84.12	85.94	60	12	LS 70 AT10 / 27-2 hub 60x10
	30	93.67	95.49	60	12	LS 70 AT10 / 30-2 hub 60x10
	32	100.04	101.86	60	12	LS 70 AT10 / 32-2 hub 65x10
	36	112.77	114.59	60	16	LS 70 AT10 / 36-2 hub 70x10
	40	125.50	127.32	60	16	LS 70 AT10 / 40-2 hub 80x10
	44	138.24	140.06	60	16	LS 70 AT10 / 44-2 hub 90x10
	48	150.97	152.79	60	16	LS 70 AT10 / 48-0 hub 95x10
	60	189.17	190.99	60	16	LS 70 AT10 / 60-0 hub 110x10

Ordering Example: Stock Pulleys

[MATERIAL] [WIDTH OVER HUB] [PITCH] / [# OF TEETH] [# OF FLANGES] [HUB DIAMETER] [HUB WIDTH]

LS 70 AT10 / 48 - 0 hub 95 x 10