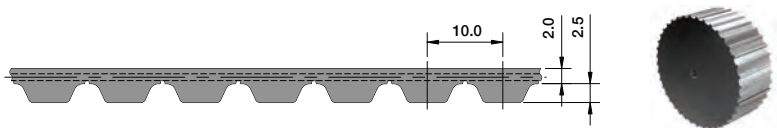


# AT10

# BFX AT-SERIES



Truly Endless "BFX"		Specifications									
	Widths (mm) <small>In between widths available</small>	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 <sup>-1</sup>	ca. 60 ms <sup>-1</sup>	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 <sup>5</sup> 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	50	25	120

### Standard Material

Up to 700 mm	TPUST3
From 700 mm	TPUST <sup>2)</sup>

### 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 <sub>k</sub> (mm)	d <sub>o</sub> (mm)	B (mm)	d <sub>v</sub> (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
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	
BELT WIDTH = 50 mm	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