



Truly Endless "BFX"		Specifications				
	Widths (inches) <small>In between widths available</small>	25	32	50	75	100
	Lengths	See Standard Lengths Below Additional lengths available up to 22,000mm. In between lengths available starting at a minimum of 1,100mm except. Belts >50mm start at a minimum length of 720mm.				
	Available Options	Nylon coating tooth side (PAZ), Polyurethane back cover (T-cover), Extra thick (DR)				
	Tension Member Options	Steel standard Hi-flex steel VA301 Stainless steel VA316 Hi-flex Stainless steel Kevlar®				

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)
ARC-Power® Series	BAT10	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)
BAT10	20	25	60	120

Standard Material

TPUST1²⁾

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

Standard Lengths

Pitch/Length Version	Number of Teeth	Pitch/Length Version	Number of Teeth	Pitch/Length Version	Number of Teeth
BAT10 / 1100 BFX	110	BAT10 / 1700 BFX	170	BAT10 / 4000 BFX	400
BAT10 / 1150 BFX	115	BAT10 / 1800 BFX	180	BAT10 / 4500 BFX	450
BAT10 / 1210 BFX	121	BAT10 / 1900 BFX	190	BAT10 / 5000 BFX	500
BAT10 / 1240 BFX	124	BAT10 / 2000 BFX	200	BAT10 / 5600 BFX	560
BAT10 / 1250 BFX	125	BAT10 / 2240 BFX	224	BAT10 / 6000 BFX	600
BAT10 / 1320 BFX	132	BAT10 / 2500 BFX	250	BAT10 / 6700 BFX	670
BAT10 / 1400 BFX	140	BAT10 / 2800 BFX	280	BAT10 / 7100 BFX	710
BAT10 / 1500 BFX	150	BAT10 / 3000 BFX	300	BAT10 / 7500 BFX	750
BAT10 / 1600 BFX	160	BAT10 / 3550 BFX	355		

Ordering Example: Polyurethane Timing Belt

[WIDTH] [PITCH] / [LENGTH] [CONSTRUCTION]

75 BAT10 / 4500 BFX