



## Truly Endless "BFX"

## Specifications

<b>Widths (inches)</b> <small>In between widths available</small>	50	75	100
<b>Lengths</b>	See Standard Lengths on pg 2 Additional lengths available up to 22,000mm. In between lengths available starting at a minimum length of 1,500mm.		
<b>Available Options</b>	Nylon coating tooth side (PAZ)		
<b>Tension Member Options</b>	Steel standard Hi-flex steel VA301 Stainless steel		

## 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)
SFAT20	18	25	120	180

## Standard Material

TPUST1<sup>1)</sup>

## Product Performance

Power Transmission	Rotational Speed	Peripheral Speed	Synchronous Pulley	Applications (Example)
Possible beyond 200 kW	Approx. 6500 min <sup>-1</sup>	Approx. 40 ms <sup>-1</sup>	From z=18	Heavy-duty drives, textile machinery, printing machinery, machine tools

## 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)
SFAT-Series	<b>SFAT20</b>	BFX	8480	2120	5.30 x 10 <sup>5</sup> N	0.096 kg/m

## Standard Lengths

Pitch/Length Version	Number of Teeth	Pitch/Length Version	Number of Teeth	Pitch/Length Version	Number of Teeth
SFAT20 / 1500 BFX	75	SFAT20 / 2500 BFX	125	SFAT20 / 5000 BFX	250
SFAT20 / 1600 BFX	80	SFAT20 / 2800 BFX	140	SFAT20 / 5600 BFX	280
SFAT20 / 1700 BFX	85	SFAT20 / 3000 BFX	150	SFAT20 / 6000 BFX	300
SFAT20 / 1800 BFX	90	SFAT20 / 3560 BFX	178	SFAT20 / 6700 BFX	335
SFAT20 / 1900 BFX	95	SFAT20 / 3760 BFX	188	SFAT20 / 7100 BFX	355
SFAT20 / 2000 BFX	100	SFAT20 / 4000 BFX	200	SFAT20 / 7500 BFX	375
SFAT20 / 2240 BFX	112	SFAT20 / 4500 BFX	225		

## Ordering Example: Polyurethane Timing Belt

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

75 SFAT20 / 4500 BFX