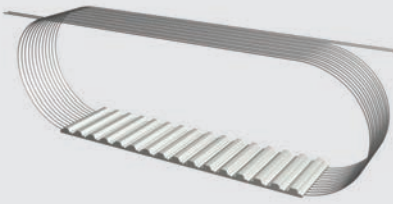


## Truly Endless "BFX"

## Specifications



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

## Product Performance

Power Transmission	Rotational Speed	Peripheral Speed	Synchronous Pulley	Applications (Example)
≤ 30 kW	Approx. 10000 min <sup>-1</sup>	Approx. 60 ms <sup>-1</sup>	From z=12	Machine tools, main and subsidiary drives, textile machines, printing machinery.

## 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)
T-Series	T10	BFX	3120	780	1.95 x 10 <sup>5</sup> N	0.045 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)
T10	12	20	60	60

## Standard Material

Up to 700 mm	TPUST3
From 720 mm	TPUST1 <sup>1)</sup>

## Standard Lengths

Pitch/Length Version	Number of Teeth
T10 / 260 SFX	26
T10 / 350 SFX	35
T10 / 370 SFX	37
T10 / 440 SFX	44
T10 / 450 SFX	45
T10 / 500 BFX	50
T10 / 530 BFX	53
T10 / 540 BFX	54
T10 / 560 BFX	56
T10 / 600 BFX	60
T10 / 610 BFX	61
T10 / 630 BFX	63
T10 / 660 BFX	66
T10 / 680 SFX	68
T10 / 690 BFX	69
T10 / 700 BFX	70
T10 / 720 BFX	72
T10 / 730 SFX	73
T10 / 750 SFX	75
T10 / 760 SFX	76
T10 / 780 BFX	78
T10 / 810 BFX	81
T10 / 840 BFX	84
T10 / 850 SFX	85
T10 / 880 BFX	88
T10 / 920 BFX	92

Pitch/Length Version	Number of Teeth
T10 / 960 BFX	96
T10 / 970 BFX	97
T10 / 980 BFX	98
T10 / 990 BFX	99
T10 / 1010 BFX	101
T10 / 1080 BFX	108
T10 / 1110 BFX	111
T10 / 1150 BFX	115
T10 / 1210 BFX	121
T10 / 1240 BFX	124
T10 / 1250 BFX	125
T10 / 1300 BFX	130
T10 / 1320 BFX	132
T10 / 1350 BFX	135
T10 / 1390 BFX	139
T10 / 1400 BFX	140
T10 / 1420 BFX	142
T10 / 1460 BFX	146
T10 / 1500 BFX	150
T10 / 1560 BFX	156
T10 / 1610 BFX	161
T10 / 1750 BFX	175
T10 / 1780 BFX	178
T10 / 1880 BFX	188
T10 / 1890 BFX	189
T10 / 1920 BFX	192

Pitch/Length Version	Number of Teeth
T10 / 1960 BFX	196
T10 / 2250 BFX	225
T10 / 2360 BFX	236
T10 / 2500 BFX	250
T10 / 2650 BFX	265
T10 / 2800 BFX	280
T10 / 3000 BFX	300
T10 / 3100 BFX	310
T10 / 3150 BFX	315
T10 / 3350 BFX	335
T10 / 3750 BFX	375
T10 / 4000 BFX	400
T10 / 4250 BFX	425
T10 / 4500 BFX	450
T10 / 4750 BFX	475
T10 / 4780 BFX	478
T10 / 5000 BFX	500
T10 / 5300 BFX	530
T10 / 5600 BFX	560
T10 / 6000 BFX	600
T10 / 6300 BFX	630
T10 / 6700 BFX	670
T10 / 7100 BFX	710
T10 / 7500 BFX	750
T10 / 8000 BFX	800
T10 / 9000 BFX	900

## Stock Pulleys

Tooth Type	Number of Teeth	Outside Diameter	Pitch Circle Diameter	Face Width	Pilot Bore	Part Number
T10	z	d <sub>k</sub> (mm)	d <sub>p</sub> (mm)	B (mm)	d <sub>v</sub> (mm)	
BELT WIDTH = 16 mm	12	36.35	38.20	21	6	LS 31 T10-SE / 12-2 hub 28x10
	14	42.70	44.56	21	8	LS 31 T10-SE / 14-2 hub 32x10
	15	45.90	47.75	21	8	LS 31 T10-SE / 15-2 hub 32x10
	16	49.10	50.93	21	8	LS 31 T10-SE / 16-2 hub 35x10
	18	55.45	57.30	21	10	LS 31 T10-SE / 18-2 hub 40x10
	19	58.65	60.48	21	10	LS 31 T10-SE / 19-2 hub 44x10
	20	61.80	63.66	21	12	LS 31 T10-SE / 20-2 hub 46x10
	24	74.55	76.39	21	12	LS 31 T10 / 24-2 hub 58x10
	25	77.75	79.58	21	12	LS 31 T10 / 25-2 hub 60x10
	27	84.10	85.94	21	12	LS 31 T10 / 27-2 hub 60x10
	30	93.65	95.49	21	12	LS 31 T10 / 30-2 hub 60x10
	32	100.00	101.86	21	12	LS 31 T10 / 32-2 hub 65x10
	36	112.75	114.59	21	16	LS 31 T10 / 36-2 hub 70x10
	40	125.45	127.32	21	16	LS 31 T10 / 40-2 hub 80x10
48	150.95	152.79	21	16	LS 31 T10 / 48-0 hub 95x10	
60	189.15	190.99	21	16	LS 31 T10 / 60-0 hub 110x10	
BELT WIDTH = 25 mm	12	36.35	38.20	30	6	LS 40 T10-SE / 12-2 hub 28x10
	14	42.70	44.56	30	8	LS 40 T10-SE / 14-2 hub 32x10
	15	45.90	47.75	30	8	LS 40 T10-SE / 15-2 hub 32x10
	16	49.10	50.93	30	8	LS 40 T10-SE / 16-2 hub 35x10
	18	55.45	57.30	30	10	LS 40 T10-SE / 18-2 hub 40x10
	19	58.65	60.48	30	10	LS 40 T10-SE / 19-2 hub 44x10
	20	61.80	63.66	30	12	LS 40 T10-SE / 20-2 hub 46x10
	24	74.55	76.39	30	12	LS 40 T10 / 24-2 hub 58x10
	25	77.75	79.58	30	12	LS 40 T10 / 25-2 hub 60x10
	27	84.10	85.94	30	12	LS 40 T10 / 27-2 hub 60x10
	30	93.65	95.49	30	12	LS 40 T10 / 30-2 hub 60x10
	32	100.00	101.86	30	12	LS 40 T10 / 32-2 hub 65x10
	36	112.75	114.59	30	16	LS 40 T10 / 36-2 hub 70x10
	40	125.45	127.32	30	16	LS 40 T10 / 40-2 hub 80x10
48	150.95	152.79	30	16	LS 40 T10 / 48-0 hub 95x10	
60	189.15	190.99	30	16	LS 40 T10 / 60-0 hub 110x10	
BELT WIDTH = 32 mm	18	55.45	57.30	40	10	LS 50 T10-SE / 18-2 hub 40x10
	19	58.65	60.48	40	10	LS 50 T10-SE / 19-2 hub 44x10
	20	61.80	63.66	40	12	LS 50 T10-SE / 20-2 hub 46x10
	24	74.55	76.39	40	12	LS 50 T10 / 24-2 hub 58x10
	25	77.75	79.58	40	12	LS 50 T10 / 25-2 hub 60x10
	27	84.10	85.94	40	12	LS 50 T10 / 27-2 hub 60x10
	30	93.65	95.49	40	12	LS 50 T10 / 30-2 hub 60x10
	32	100.00	101.86	40	12	LS 50 T10 / 32-2 hub 65x10
	36	112.75	114.59	40	16	LS 50 T10 / 36-2 hub 70x10
	40	125.45	127.32	40	16	LS 50 T10 / 40-2 hub 80x10
BELT WIDTH = 50 mm	18	55.45	57.30	56	10	LS 66 T10-SE / 18-2 hub 40x10
	19	58.65	60.48	56	10	LS 66 T10-SE / 19-2 hub 44x10
	20	61.80	63.66	56	12	LS 66 T10-SE / 20-2 hub 46x10
	24	74.55	76.39	56	12	LS 66 T10 / 24-2 hub 58x10
	25	77.75	79.58	56	12	LS 66 T10 / 25-2 hub 60x10
	27	84.10	85.94	56	12	LS 66 T10 / 27-2 hub 60x10
	30	93.65	95.49	56	12	LS 66 T10 / 30-2 hub 60x10
	32	100.00	101.86	56	12	LS 66 T10 / 32-2 hub 65x10
	36	112.75	114.59	56	16	LS 66 T10 / 36-2 hub 70x10
	40	125.45	127.32	56	16	LS 66 T10 / 40-2 hub 80x10
	48	150.95	152.79	56	16	LS 66 T10 / 48-0 hub 95x10
	60	189.15	190.99	56	16	LS 66 T10 / 60-0 hub 110x10

### Ordering Example: Stock Pulleys

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

LS 66 T10 / 48 - 0 hub 95 x 10