



Belt widths b [mm]		
50	75	100

BFX SFAT10	Available lengths and versions
Standard lengths	see table on the right
Any number of teeth available from	1100 mm up to 22000 mm
Intermediate lengths	from 1100 mm o
StandardPlus version	1100 mm up to 22000 mm
Over 22000 mm	on request
Standard material	TPUST1 ¹⁾
Steel tension member (Standard)	x
E tension member	o
Stainless steel tension member	o
PAZ	x
DL / DL-PAZ	-
DR / DR-PAZ	-
T / T-PAZ	-

Standard lengths [mm] / Number of teeth					
Length	Number of teeth	Length	Number of teeth	Length	Number of teeth
1100	110	1900	190	4500	450
1200	120	2000	200	5000	500
1300	130	2240	224	5600	560
1400	140	2500	250	6000	600
1500	150	2800	280	6700	670
1600	160	3000	300	7100	710
1700	170	3550	355	7500	750
1800	180	4000	400		

- x available, standard lengths (see table) without minimum purchase
- o minimum purchase amount on request
- not available
- 1) further materials on request

BRECOFLEX® SFAT10 Tooth shear strength (specific belt tooth load bearing)							
R.p.m. n [min ⁻¹]	F _{spec} [N/cm]	M _{spec} [Ncm/cm]	P _{spec} [W/cm]	R.p.m. n [min ⁻¹]	F _{spec} [N/cm]	M _{spec} [Ncm/cm]	P _{spec} [W/cm]
0	87,50	13,933	0,000	2000	48,01	7,644	16,009
20	86,22	13,729	0,288	2200	46,41	7,391	17,025
40	85,01	13,537	0,567	2400	44,94	7,156	17,985
60	83,88	13,357	0,839	2600	43,58	6,939	18,892
80	82,81	13,187	1,105	2800	42,30	6,736	19,751
100	81,80	13,026	1,364	3000	41,11	6,546	20,565
200	77,43	12,329	2,582	3200	39,99	6,368	21,337
300	73,87	11,763	3,695	3400	38,93	6,199	22,069
400	70,88	11,286	4,727	3600	37,93	6,039	22,765
500	68,29	10,874	5,693	3800	36,97	5,887	23,426
600	66,02	10,512	6,604	4000	36,06	5,743	24,053
700	63,98	10,189	7,468	4500	33,97	5,409	25,486
800	62,15	9,896	8,290	5000	32,08	5,108	26,744
900	60,47	9,630	9,075	5500	30,36	4,835	27,844
1000	58,94	9,385	9,827	6000	28,79	4,584	28,800
1100	57,51	9,158	10,549	6500	27,33	4,352	29,623
1200	56,19	8,947	11,243	7000	25,98	4,137	30,326
1300	54,95	8,750	11,912	7500	24,72	3,936	30,915
1400	53,79	8,565	12,557	8000	23,54	3,748	31,398
1500	52,70	8,391	13,180	8500	22,43	3,571	31,783
1600	51,66	8,226	13,782	9000	21,37	3,403	32,074
1700	50,68	8,070	14,365	9500	20,38	3,245	32,278
1800	49,75	7,921	14,930	10000	19,43	3,094	32,398
1900	48,86	7,780	15,478				

BRECOFLEX® SFAT10 Admissible tensile force of the belt F _{adm} / Belt weight					
Belt width	b [mm]	50	75	100	
E / Steel tension member	F _{adm} [N]	7750	12000	16000	
Stainless steel tension member	F _{adm} [N]	5580	8640	11520	
Belt weight	Standard	[kg/m]	0,290	0,436	0,581
	DL	[kg/m]	-	-	-
	DR	[kg/m]	-	-	-
	T	[kg/m]	-	-	-

BRECOFLEX® SFAT10 Flexibility (minimum number of teeth / minimum diameter)														
		Steel tension member				E tension member				Stainless steel tension member				
		Standard	DL	DR	T	Standard	DL	DR	T	Standard	DL	DR	T	
	Without contra-flexure	z _{min}	15	-	-	-	12	-	-	-	25	-	-	-
	d _{min} [mm]	50	-	-	-	50	-	-	-	80	-	-	-	
	With contra-flexure	z _{min}	25	-	-	-	20	-	-	-	40	-	-	-
	d _{min} [mm]	120	-	-	-	80	-	-	-	130	-	-	-	