



Belt widths b [mm]		
50	75	100

BFX SFAT15	Available lengths and versions
Standard lengths	see table on the right
Any number of teeth available from	1500 mm up to 21990 mm
Intermediate lengths	from 1500 mm <input type="checkbox"/> on request
StandardPlus version	1500 mm up to 21990 mm
Over 21990 mm	on request
Standard material	TPUST1 <sup>1)</sup>
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
1500	100	2790	186	5595	373
1590	106	3000	200	6000	400
1710	114	3495	233	6300	420
1800	120	3750	250	6705	447
1905	127	4005	267	7095	473
1995	133	4500	300	7500	500
2250	150	4995	333		
2505	167	5295	353		

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

BRECOFLEX® SFAT15 Tooth shear strength (specific belt tooth load bearing)							
R.p.m. n [min <sup>-1</sup> ]	F <sub>spec</sub> [N/cm]	M <sub>spec</sub> [Ncm/cm]	P <sub>spec</sub> [W/cm]	R.p.m. n [min <sup>-1</sup> ]	F <sub>spec</sub> [N/cm]	M <sub>spec</sub> [Ncm/cm]	P <sub>spec</sub> [W/cm]
0	133,00	31,768	0,000	2000	67,59	16,145	33,812
20	130,82	31,246	0,654	2200	64,99	15,523	35,761
40	128,78	30,760	1,288	2400	62,59	14,950	37,571
60	126,87	30,303	1,904	2600	60,36	14,418	39,254
80	125,07	29,873	2,502	2800	58,29	13,922	40,819
100	123,37	29,467	3,086	3000	56,34	13,457	42,275
200	116,04	27,716	5,804	3200	54,51	13,020	43,628
300	110,12	26,302	8,263	3400	52,78	12,607	44,885
400	105,15	25,117	10,520	3600	51,15	12,217	46,052
500	100,88	24,095	12,615	3800	49,59	11,846	47,134
600	97,13	23,199	14,575	4000	48,11	11,492	48,135
700	93,78	22,399	16,418	4500	44,70	10,676	50,308
800	90,76	21,678	18,160	5000	41,62	9,942	52,053
900	88,01	21,021	19,811	5500	38,83	9,274	53,412
1000	85,48	20,418	21,380	6000	36,27	8,662	54,421
1100	83,15	19,861	22,876	6500	33,90	8,097	55,109
1200	80,98	19,343	24,305	7000	31,70	7,572	55,500
1300	78,95	18,858	25,671	7500	29,65	7,082	55,615
1400	77,05	18,404	26,980	8000	27,72	6,622	55,473
1500	75,26	17,976	28,235	8500	25,91	6,190	55,090
1600	73,57	17,572	29,440	9000	24,20	5,781	54,480
1700	71,96	17,188	30,597	9500	22,58	5,394	53,656
1800	70,44	16,824	31,710	10000	21,04	5,026	52,629
1900	68,98	16,477	32,781				

BRECOFLEX® SFAT15 Admissible tensile force of the belt F <sub>adm</sub> / Belt weight					
Belt width	b [mm]	50	75	100	
E / Steel tension member	F <sub>adm</sub> [N]	10000	15600	21200	
Stainless steel tension member	F <sub>adm</sub> [N]	8000	12480	16960	
Belt weight	Standard	[kg/m]	0,440	0,660	0,875
	DL	[kg/m]	-	-	-
	DR	[kg/m]	-	-	-
	T	[kg/m]	-	-	-

BRECOFLEX® SFAT15 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	
z <sub>min</sub> d <sub>min</sub>	Without contraflexure	z <sub>min</sub>	20	-	-	-	15	-	-	-	25	-	-	-
		d <sub>min</sub> [mm]	100	-	-	-	70	-	-	-	120	-	-	-
z <sub>min</sub> d <sub>min</sub>	With contraflexure	z <sub>min</sub>	25	-	-	-	25	-	-	-	35	-	-	-
		d <sub>min</sub> [mm]	150	-	-	-	120	-	-	-	180	-	-	-