



Belt widths b [mm]		
50	75	100

BFX SFAT20	Available lengths and versions
Standard lengths	see table on the right
Any number of teeth available from	1500 mm up to 22000 mm
Intermediate lengths	from 1500 mm o
StandardPlus version	1500 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
1500	75	2500	125	5000	250
1600	80	2800	140	5600	280
1700	85	3000	150	6000	300
1800	90	3560	178	6700	335
1900	95	3760	188	7100	355
2000	100	4000	200	7500	375
2240	112	4500	225		

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

BRECOFLEX® SFAT20 Tooth shear strength (specific belt tooth load bearing)							
R.p.m. n [min ⁻¹]	F _{Uspec} [N/cm]	M _{spec} [Ncm/cm]	P _{spec} [W/cm]	R.p.m. n [min ⁻¹]	F _{Uspec} [N/cm]	M _{spec} [Ncm/cm]	P _{spec} [W/cm]
0	175,00	55,732	0,000	1600	88,26	28,110	47,095
20	171,73	54,692	1,145	1700	85,96	27,374	48,729
40	168,69	53,724	2,250	1800	83,76	26,676	50,279
60	165,85	52,818	3,318	1900	81,67	26,010	51,748
80	163,17	51,966	4,353	2000	79,68	25,375	53,142
100	160,66	51,164	5,357	2200	75,94	24,185	55,713
200	149,85	47,723	9,994	2400	72,49	23,087	58,021
300	141,18	44,961	14,124	2600	69,30	22,070	60,085
400	133,94	42,655	17,866	2800	66,32	21,121	61,925
500	127,72	40,674	21,295	3000	63,53	20,232	63,556
600	122,27	38,939	24,464	3200	60,90	19,396	64,992
700	117,42	37,395	27,410	3400	58,43	18,607	66,245
800	113,05	36,004	30,160	3600	56,08	17,860	67,327
900	109,08	34,738	32,737	3800	53,85	17,151	68,245
1000	105,43	33,577	35,159	4000	51,73	16,476	69,010
1100	102,07	32,505	37,440	4500	46,84	14,918	70,294
1200	98,94	31,509	39,592	5000	42,44	13,516	70,764
1300	96,02	30,579	41,626	5500	38,44	12,241	70,498
1400	93,28	29,707	43,549	6000	34,77	11,072	69,565
1500	90,70	28,885	45,370	6500	31,38	9,994	68,020

BRECOFLEX® SFAT20 Admissible tensile force of the belt F _{adm} / Belt weight					
Belt width	b [mm]	50	75	100	
E / Steel tension member	F _{adm} [N]	10000	15600	21200	
Stainless steel tension member	F _{adm} [N]	8000	12480	16960	
Belt weight	Standard	[kg/m]	0,480	0,720	0,960
	DL	[kg/m]	-	-	-
	DR	[kg/m]	-	-	-
	T	[kg/m]	-	-	-

BRECOFLEX® SFAT20 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 _{min}	18	-	-	-	15	-	-	-	32	-	-	-
	d _{min} [mm]	120	-	-	-	100	-	-	-	200	-	-	-
	z _{min}	25	-	-	-	22	-	-	-	40	-	-	-
	d _{min} [mm]	180	-	-	-	150	-	-	-	300	-	-	-