



Belt widths b [mm] (in-between belt widths on request)		
50	75	100

SFAT20 (M/V)	Available lengths and versions
Standard delivery lengths (M)	rolls of 50 m
Cut to lengths / lengths > 50 m	on request
Minimum length joined (V)	1500 mm
Standard material	TPUST1 <sup>1)</sup>
Steel tension member (Standard)	x
E tension member	-
Stainless steel tension member	o
PAZ	x
PAR	x
PAZ-PAR	x
DL / DL-PAZ	-
DR / DR-PAZ	-
T / T-PAZ	-

- x available
- o minimum purchase amount on request
- not available
- 1) further materials on request

BRECO® SFAT20 (M/V)		Specific tooth force		BRECO® SFAT20 (M/V)		Specific tooth force	
R.p.m. n [min <sup>-1</sup> ]	F <sub>tspec</sub> [N/cm]	R.p.m. n [min <sup>-1</sup> ]	F <sub>tspec</sub> [N/cm]	R.p.m. n [min <sup>-1</sup> ]	F <sub>tspec</sub> [N/cm]	R.p.m. n [min <sup>-1</sup> ]	F <sub>tspec</sub> [N/cm]
0	175,00	800	113,05	2000	79,68	5000	42,44
20	171,73	900	109,08	2200	75,94	5500	38,44
40	168,69	1000	105,43	2400	72,49	6000	34,77
60	165,85	1100	102,07	2600	69,30	6500	31,38
80	163,17	1200	98,94	2800	66,32		
100	160,66	1300	96,02	3000	63,53		
200	149,85	1400	93,28	3200	60,90		
300	141,18	1500	90,70	3400	58,43		
400	133,94	1600	88,26	3600	56,08		
500	127,72	1700	85,96	3800	53,85		
600	122,27	1800	83,76	4000	51,73		
700	117,42	1900	81,67	4500	46,84		

BRECO® SFAT20 (M/V)		Admissible tension cord strength F <sub>Tadm</sub> / Specific elasticity / Belt weight			
Belt width	b [mm]	50	75	100	
M	E / Steel tension member	F <sub>Tadm</sub> [N]	11200	16800	22400
	Specific elasticity (E / Steel tension member)	C <sub>spec</sub> [N]	2,80·10 <sup>6</sup>	4,20·10 <sup>6</sup>	5,60·10 <sup>6</sup>
	Stainless steel tension member	F <sub>Tadm</sub> [N]	8960	13440	17920
	Specific elasticity (stainless steel tension member)	C <sub>spec</sub> [N]	2,80·10 <sup>6</sup>	4,20·10 <sup>6</sup>	5,60·10 <sup>6</sup>
V	E / Steel tension member	F <sub>Tadm</sub> [N]	5600	8400	11200
	Stainless steel tension member	F <sub>Tadm</sub> [N]	4480	6720	8960
Belt weight	Standard	[kg/m]	0,480	0,720	0,960
	DL	[kg/m]	-	-	-
	DR	[kg/m]	-	-	-
	T	[kg/m]	-	-	-

BRECO® SFAT20 (M/V)		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 contra-flexure	z <sub>min</sub>	18 (20)	-	-	-	-	-	-	-	32	-	-	-
		d <sub>min</sub> [mm]	120	-	-	-	-	-	-	-	200	-	-	-
z <sub>min</sub> d <sub>min</sub>	With contra-flexure	z <sub>min</sub>	25	-	-	-	-	-	-	-	60	-	-	-
		d <sub>min</sub> [mm]	180	-	-	-	-	-	-	-	380	-	-	-

(Deviate values in brackets apply to joined timing belts.)