



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

SFAT10 (M/V)	Available lengths and versions
Standard delivery lengths (M)	rolls of 50 or 100 m
Cut to lengths / lengths > 100 m	on request
Minimum length joined (V)	880 mm
Standard material	TPUST1 ¹⁾
Steel tension member (Standard)	x
E tension member	o
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® SFAT10 (M/V)		Specific tooth force		BRECO® SFAT10 (M/V)		Specific tooth force	
R.p.m. n [min ⁻¹]	F _{t spec} [N/cm]	R.p.m. n [min ⁻¹]	F _{t spec} [N/cm]	R.p.m. n [min ⁻¹]	F _{t spec} [N/cm]	R.p.m. n [min ⁻¹]	F _{t spec} [N/cm]
0	87,50	800	62,15	2000	48,01	5000	32,08
20	86,22	900	60,47	2200	46,41	5500	30,36
40	85,01	1000	58,94	2400	44,94	6000	28,79
60	83,88	1100	57,51	2600	43,58	6500	27,33
80	82,81	1200	56,19	2800	42,30	7000	25,98
100	81,80	1300	54,95	3000	41,11	7500	24,72
200	77,43	1400	53,79	3200	39,99	8000	23,54
300	73,87	1500	52,70	3400	38,93	8500	22,43
400	70,88	1600	51,66	3600	37,93	9000	21,37
500	68,29	1700	50,68	3800	36,97	9500	20,38
600	66,02	1800	49,75	4000	36,06	10000	19,43
700	63,98	1900	48,86	4500	33,97		

BRECO® SFAT10 (M/V)		Admissible tension cord strength F _{Tadm} / Specific elasticity / Belt weight			
Belt width		b [mm]	50	75	100
M	E / Steel tension member	F _{Tadm} [N]	7500	10500	16000
	Specific elasticity (E / Steel tension member)	C _{spec} [N]	1,87·10 ⁶	2,62·10 ⁶	4,00·10 ⁶
	Stainless steel tension member	F _{Tadm} [N]	5625	7875	12000
	Specific elasticity (stainless steel tension member)	C _{spec} [N]	1,87·10 ⁶	2,62·10 ⁶	4,00·10 ⁶
V	E / Steel tension member	F _{Tadm} [N]	3750	5250	8000
	Stainless steel tension member	F _{Tadm} [N]	2810	3940	6000
Belt weight	Standard	[kg/m]	0,290	0,436	0,581
	DL	[kg/m]	-	-	-
	DR	[kg/m]	-	-	-
	T	[kg/m]	-	-	-

BRECO® SFAT10 (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 _{min} d _{min}	Without contra-flexure	z _{min}	15 (25)	-	-	-	12	-	-	-	25	-	-	-
		d _{min} [mm]	50 (80)	-	-	-	50	-	-	-	80	-	-	-
z _{min} d _{min}	With contra-flexure	z _{min}	25	-	-	-	20	-	-	-	40	-	-	-
		d _{min} [mm]	120	-	-	-	80	-	-	-	130	-	-	-

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