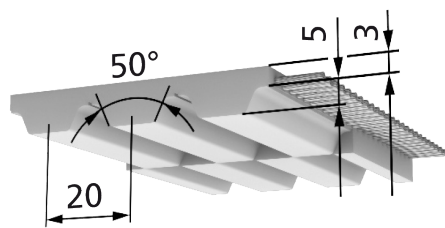


Standard



Belt widths b [mm] (In-between belt widths on request)

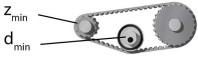

50	75	100
----	----	-----

Available length and versions	SFAT20	Comment
Standard lengths	roll of 50 m	-
Cut to lengths / lengths > 100 m	on request	-
In-between belt widths / other widths	on request	-
minimum length endless joined (b≤100 mm)	1,500 mm	-
minimum length endless joined (b>100 mm)	not available	-
Standard material	TPUST1	further materials on request
Steel tension member	Standard	-
E tension member	not available	-
Stainless steel cord	available	Minimum purchase amount on request
PAZ	available	-
PAR	available	-
PAZ-PAR	available	-
DL / DL-PAZ	not available	-
DR / DR-PAZ	not available	-
T / T-PAZ	not available	-

Tooth shear strength (specific belt tooth load bearing)

R.p.m. n [min ⁻¹]	F _{tspez} [N/cm]	R.p.m. n [min ⁻¹]	F _{tspez} [N/cm]	R.p.m. n [min ⁻¹]	F _{tspez} [N/cm]	R.p.m. n [min ⁻¹]	F _{tspez} [N/cm]
0	175	600	122.268	1,600	88.264	3,200	60.904
20	171.733	700	117.419	1,700	85.956	3,400	58.426
40	168.692	800	113.051	1,800	83.762	3,600	56.081
60	165.847	900	109.077	1,900	81.673	3,800	53.854
80	163.175	1,000	105.432	2,000	79.678	4,000	51.735
100	160.655	1,100	102.066	2,200	75.94	4,500	46.843
200	149.85	1,200	98.938	2,400	72.494	5,000	42.44
300	141.179	1,300	96.018	2,600	69.299	5,500	38.437
400	133.936	1,400	93.279	2,800	66.319	6,000	34.767
500	127.717	1,500	90.7	3,000	63.528	6,500	31.38

SFAT20			Admissible tensile force of the belt F_{adm} / belt weight		
belt width		b [mm]	50	75	100
M	E / Steel tension member	F_{Tadm} [N]	11,200	16,800	22,400
	Specific elasticity (E- / Steel tension member)	C_{spez} [N]	$2.80 \cdot 10^6$	$4.20 \cdot 10^6$	$5.60 \cdot 10^6$
	Stainless steel tension member	F_{Tadm} [N] F_{Tzul} [N]	8,960	13,440	17,920
	Specific elasticity (stainless steel tens. m.)	C_{spez} [N]	$2.80 \cdot 10^6$	$4.20 \cdot 10^6$	$5.60 \cdot 10^6$
V	E / Steel tension member	F_{Tadm} [N]	5,600	8,400	11,200
	Stainless steel tension member	T_{adm} [N]	4,480	6,720	8,960
Belt weight (Standard)		[kg/m]	0.48	0.72	0.96
Belt weight (DL)		[kg/m]	-	-	-
Belt weight (DR)		[kg/m]	-	-	-
Belt weight (T)		[kg/m]	-	-	-

SFAT20		Flexibility (Minimum number of teeth / minimum diameter)											
		Steel tension member				E / Steel tension member				Stainless steel tension member			
		Standard	DL	DR	T	Standard	DL	DR	T	Standard	DL	DR	T
	Minimum number of teeth without contraflexure (z_{min})	18	-	-	-	-	-	-	-	32	-	-	-
	Minimum diameter of tensioning roller without contraflexure (d_{min} [mm])	120	-	-	-	-	-	-	-	200	-	-	-
	Minimum number of teeth with contraflexure (z_{min})	25	-	-	-	-	-	-	-	60	-	-	-
	Minimum diameter of tensioning roller with contraflexure (d_{min} [mm])	180	-	-	-	-	-	-	-	380	-	-	-