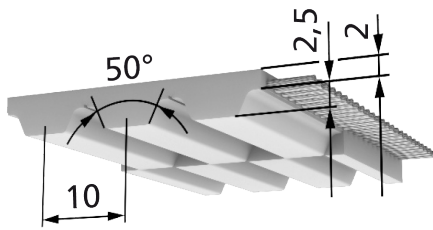


Standard



SFAT10

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

50	75	100
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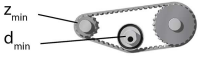
Available length and versions	SFAT10	Comment
Standard lengths	see table	without minimum purchase amount
Sleeve width	b=100 mm	-
Minimum purchase	-	-
Any number of teeth available from	1,100 mm from 22,000 mm	in case of intermediate lengths minimum purchase amount on request
StandardPlus version	1,100 mm from 22,000 mm	-
Bigger lengths	on request	Minimum purchase amount on request
Standard material (BRECOFLEX to 700 mm)	-	-
Standard material (BRECOFLEX from 720 mm)	TPUST1	further materials on request
Steel tension member	Standard	-
E tension member	available	Minimum purchase amount on request
Stainless steel tension member	available	Minimum purchase amount on request
PAZ	available	without minimum purchase amount at standard lengths
DL / DL-PAZ (b _{max} =100 mm)	not available	-
DR / DR-PAZ (b _{max} =100 mm)	not available	-
T / T-PAZ (b _{max} =100 mm)	not available	-

Standard lengths [mm] / number of teeth

Length [mm]	number of teeth	Length [mm]	number of teeth	Length [mm]	number of teeth
1,100	110	1,900	190	4,500	450
1,200	120	2,000	200	5,000	500
1,300	130	2,240	224	5,600	560
1,400	140	2,500	250	6,000	600
1,500	150	2,800	280	6,700	670
1,600	160	3,000	300	7,100	710
1,700	170	3,550	355	7,500	750
1,800	180	4,000	400		

Tooth shear strength (specific belt tooth load bearing)							
R.p.m. n [min-1]	F _{Uspez} [N/cm]	M _{spez} [Ncm/cm]	P _{spez} [W/cm]	R.p.m. n [min-1]	F _{Uspez} [N/cm]	M _{spez} [Ncm/cm]	P _{spez} [W/cm]
0	87.5	13.933	0	2,000	48.006	7.644	16.009
20	86.216	13.729	0.288	2,200	46.413	7.391	17.025
40	85.013	13.537	0.567	2,400	44.943	7.156	17.985
60	83.881	13.357	0.839	2,600	43.578	6.939	18.892
80	82.814	13.187	1.105	2,800	42.305	6.736	19.751
100	81.803	13.026	1.364	3,000	41.112	6.546	20.565
200	77.426	12.329	2.582	3,200	39.989	6.368	21.337
300	73.87	11.763	3.695	3,400	38.929	6.199	22.069
400	70.877	11.286	4.727	3,600	37.925	6.039	22.765
500	68.291	10.874	5.693	3,800	36.972	5.887	23.426
600	66.016	10.512	6.604	4,000	36.064	5.743	24.053
700	63.984	10.189	7.468	4,500	33.967	5.409	25.486
800	62.148	9.896	8.29	5,000	32.079	5.108	26.744
900	60.475	9.63	9.075	5,500	30.362	4.835	27.844
1,000	58.937	9.385	9.827	6,000	28.787	4.584	28.8
1,100	57.514	9.158	10.549	6,500	27.333	4.352	29.623
1,200	56.19	8.947	11.243	7,000	25.982	4.137	30.326
1,300	54.953	8.75	11.912	7,500	24.721	3.936	30.915
1,400	53.791	8.565	12.557	8,000	23.538	3.748	31.398
1,500	52.696	8.391	13.18	8,500	22.425	3.571	31.783
1,600	51.661	8.226	13.782	9,000	21.374	3.403	32.074
1,700	50.679	8.07	14.365	9,500	20.377	3.245	32.278
1,800	49.746	7.921	14.93	10,000	19.43	3.094	32.398
1,900	48.856	7.78	15.478				

SFAT10		Admissible tensile force of the belt F _{adm} / belt weight			
belt width	b [mm]	50	75	100	
E / Steel tension member	F _{zul}	7,750	12,000	16,000	
Stainless steel tension member	F _{zul}	5,580	8,640	11,520	
Belt width	Standard	[kg/m]	0.29	0.436	0.581
	DL	[kg/m]	-	-	-
	DR	[kg/m]	-	-	-
	T	[kg/m]	-	-	-

SFAT10		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})	15	-	-	-	12	-	-	-	25	-	-	-
	Minimum diameter of tensioning roller without contraflexure (d _{min} [mm])	50	-	-	-	50	-	-	-	80	-	-	-
	Minimum number of teeth with contraflexure (z _{min})	25	-	-	-	20	-	-	-	40	-	-	-
	Minimum diameter of tensioning roller with contraflexure (d _{min} [mm])	120	-	-	-	80	-	-	-	130	-	-	-