



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

BFX TK10K13	Available lengths and versions
Standard lengths	see table on the right
Any number of teeth available from	1200 mm up to 22000 mm
Intermediate lengths	from 1200 mm o
StandardPlus version	1200 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	150	2650	265	5300	530
1560	156	3000	300	5600	560
1610	161	3100	310	6000	600
1750	175	3150	315	6300	630
1780	178	3350	335	6700	670
1880	188	3750	375	7100	710
1960	196	4000	400	7500	750
2250	225	4250	425	8000	800
2360	236	4500	450	9000	900
2500	250	4750	475		
2800	280	5000	500		

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

BRECOFLEX® TK10K13 Tooth shear strength (specific belt tooth load bearing)							
R.p.m. n [min ⁻¹]	F _{spec} [N/cm]	M _{spec} [Ncm/cm]	P _{spec} [W/cm]	R.p.m. n [min ⁻¹]	F _{spec} [N/cm]	M _{spec} [Ncm/cm]	P _{spec} [W/cm]
0	50,50	8,04	0,000	2000	25,40	4,040	8,460
20	49,00	7,80	0,163	2200	24,60	3,920	9,030
40	47,70	7,60	0,318	2400	23,90	3,810	9,580
60	46,60	7,42	0,466	2600	23,30	3,710	10,100
80	45,70	7,27	0,609	2800	22,70	3,620	10,600
100	44,80	7,13	0,746	3000	22,20	3,530	11,080
200	41,40	6,60	1,381	3200	21,70	3,450	11,550
300	39,10	6,22	1,953	3400	21,20	3,360	11,990
400	37,20	5,92	2,480	3600	20,70	3,300	12,420
500	35,70	5,68	2,980	3800	20,30	3,230	12,840
600	34,40	5,48	3,440	4000	19,86	3,160	13,240
700	33,30	5,31	3,890	4500	18,91	3,010	14,180
800	32,40	5,15	4,320	5000	18,06	2,870	15,050
900	31,50	5,01	4,730	5500	17,28	2,750	15,840
1000	30,70	4,89	5,120	6000	16,58	2,640	16,580
1100	30,00	4,77	5,500	6500	15,93	2,540	17,260
1200	29,30	4,67	5,870	7000	15,33	2,440	17,880
1300	28,70	4,57	6,220	7500	14,76	2,350	18,460
1400	28,20	4,48	6,570	8000	14,24	2,270	18,990
1500	27,60	4,40	6,910	8500	13,74	2,180	19,470
1600	27,10	4,32	7,230	9000	13,28	2,110	19,920
1700	26,70	4,24	7,550	9500	12,84	2,040	20,300
1800	26,20	4,17	7,860	10000	12,42	1,976	20,700
1900	25,80	4,10	8,160				

BRECOFLEX® TK10K13 Admissible tensile force of the belt F _{adm} / Belt weight			
Belt width	b [mm]	50	
E / Steel tension member	F _{adm} [N]	3800	
Stainless steel tension member	F _{adm} [N]	3040	
Belt weight	Standard	[kg/m]	0,283
	DL	[kg/m]	-
	DR	[kg/m]	-
	T	[kg/m]	-

BRECOFLEX® TK10K13 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
	Without contra-flexure	z _{min}	25	-	-	25	-	-	-	25	-	-	-
		d _{min} [mm]	80	-	-	80	-	-	-	80	-	-	-
	With contra-flexure	z _{min}	25	-	-	25	-	-	-	40	-	-	-
		d _{min} [mm]	120	-	-	120	-	-	-	130	-	-	-