



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

Standard lengths [mm] / Number of teeth					
Length	Number of teeth	Length	Number of teeth	Length	Number of teeth
1080	108	1750	175	4000	400
1150	115	1780	178	4250	425
1210	121	1880	188	4500	450
1240	124	1960	196	4750	475
1250	125	2250	225	5000	500
1320	132	2360	236	5300	530
1350	135	2500	250	5600	560
1390	139	2650	265	6000	600
1400	140	2800	280	6300	630
1420	142	3000	300	6700	670
1460	146	3100	310	7100	710
1500	150	3150	315	7500	750
1560	156	3350	335	8000	800
1610	161	3750	375	9000	900

BFX TK10K6	Available lengths and versions	
Standard lengths	see table on the right	
Any number of teeth available from	720 mm up to 22000 mm	
Intermediate lengths	from 720 mm	o
StandardPlus version	720 mm up to 22000 mm	
Over 22000 mm	on request	
Standard material	TPUST1 <sup>1)</sup>	
Steel tension member (Standard)	x	
E tension member	o	
Stainless steel tension member	o	
PAZ	from 1080 mm	x
DL / DL-PAZ	-	
DR / DR-PAZ	-	
T / T-PAZ	-	

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

BRECOFLEX® TK10K6 Tooth shear strength (specific belt tooth load bearing)							
R.p.m. n [min <sup>-1</sup> ]	F <sub>spec</sub> [N/cm]	M <sub>spec</sub> [Ncm/cm]	P <sub>spec</sub> [W/cm]	R.p.m. n [min <sup>-1</sup> ]	F <sub>spec</sub> [N/cm]	M <sub>spec</sub> [Ncm/cm]	P <sub>spec</sub> [W/cm]
0	50,50	8,040	0,000	2000	25,40	4,040	8,460
20	49,00	7,800	0,163	2200	24,60	3,920	9,030
40	47,70	7,600	0,318	2400	23,90	3,810	9,580
60	46,60	7,420	0,466	2600	23,30	3,710	10,100
80	45,70	7,270	0,609	2800	22,70	3,620	10,600
100	44,80	7,130	0,746	3000	22,20	3,530	11,080
200	41,40	6,600	1,381	3200	21,70	3,450	11,550
300	39,10	6,220	1,953	3400	21,20	3,360	11,990
400	37,20	5,920	2,480	3600	20,70	3,300	12,420
500	35,70	5,680	2,980	3800	20,30	3,230	12,840
600	34,40	5,480	3,440	4000	19,86	3,160	13,240
700	33,30	5,310	3,890	4500	18,91	3,010	14,180
800	32,40	5,150	4,320	5000	18,06	2,870	15,050
900	31,50	5,010	4,730	5500	17,28	2,750	15,840
1000	30,70	4,890	5,120	6000	16,58	2,640	16,580
1100	30,00	4,770	5,500	6500	15,93	2,540	17,260
1200	29,30	4,670	5,870	7000	15,33	2,440	17,880
1300	28,70	4,570	6,220	7500	14,76	2,350	18,460
1400	28,20	4,480	6,570	8000	14,24	2,270	18,990
1500	27,60	4,400	6,910	8500	13,74	2,180	19,470
1600	27,10	4,320	7,230	9000	13,28	2,110	19,920
1700	26,70	4,240	7,550	9500	12,84	2,040	20,300
1800	26,20	4,170	7,860	10000	12,42	1,976	20,700
1900	25,80	4,100	8,160				

BRECOFLEX® TK10K6 Admissible tensile force of the belt F <sub>adm</sub> / Belt weight			
Belt width	b [mm]	50	100
E / Steel tension member	F <sub>adm</sub> [N]	3800	7800
Stainless steel tension member	F <sub>adm</sub> [N]	3040	6240
Belt weight	Standard	[kg/m]	0,235
	DL	[kg/m]	-
	DR	[kg/m]	-
	T	[kg/m]	-

BRECOFLEX® TK10K6 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 <sub>min</sub>	20	-	-	20	-	-	25	-	-	-	
	d <sub>min</sub> [mm]	60	-	-	60	-	-	80	-	-	-		
	With contra-flexure	z <sub>min</sub>	25	-	-	25	-	-	40	-	-	-	
	d <sub>min</sub> [mm]	80	-	-	80	-	-	130	-	-	-		