



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
1075	215	2240	448	4500	900
1100	220	2360	472	4750	950
1215	243	2500	500	5000	1000
1380	276	2650	530	5300	1060
1400	280	2800	560	5600	1120
1500	300	3000	600	6000	1200
1600	320	3150	630	6300	1260
1700	340	3350	670	6700	1340
1800	360	3550	710	7100	1420
1900	380	3750	750	7500	1500
2000	400	4000	800		
2120	424	4250	850		

BFX TK5K6	Available lengths and versions	
Standard lengths	see table on the right	
Any number of teeth available from	b= 50 mm	from 720 mm 1075 mm up to 15000 mm
Intermediate lengths	b= 50 mm	from 720 mm
	b= 100 mm	from 1075 mm
StandardPlus version	b= 50 mm: from 720 mm 1075 mm up to 15000 mm	
Over 15000 mm	on request	
Standard material	TPUST1 ¹⁾	
Steel tension member (Standard)	x	
E tension member	o	
Stainless steel tension member	o	
PAZ	from 1075 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® TK5K6 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	24,00	1,910	0,000	2000	13,69	1,089	2,280
20	23,40	1,861	0,039	2200	13,38	1,065	2,450
40	22,90	1,819	0,076	2400	13,10	1,042	2,620
60	22,40	1,783	0,112	2600	12,84	1,021	2,780
80	22,00	1,751	0,147	2800	12,59	1,002	2,940
100	21,70	1,723	0,180	3000	12,37	0,984	3,090
200	20,30	1,614	0,338	3200	12,16	0,967	3,240
300	19,30	1,536	0,483	3400	11,96	0,951	3,390
400	18,55	1,476	0,618	3600	11,77	0,936	3,530
500	17,93	1,427	0,747	3800	11,59	0,922	3,670
600	17,41	1,385	0,870	4000	11,42	0,909	3,810
700	16,96	1,349	0,989	4500	11,03	0,878	4,140
800	16,56	1,318	1,104	5000	10,68	0,850	4,450
900	16,20	1,289	1,215	5500	10,36	0,825	4,750
1000	15,88	1,263	1,323	6000	10,07	0,802	5,040
1100	15,58	1,240	1,428	6500	9,81	0,780	5,310
1200	15,31	1,218	1,531	7000	9,56	0,761	5,580
1300	15,06	1,198	1,632	7500	9,33	0,742	5,830
1400	14,83	1,180	1,730	8000	9,11	0,725	6,080
1500	14,61	1,162	1,826	8500	8,91	0,709	6,310
1600	14,40	1,146	1,920	9000	8,72	0,694	6,540
1700	14,21	1,131	2,010	9500	8,54	0,679	6,760
1800	14,03	1,116	2,100	10000	8,37	0,666	6,970
1900	13,85	1,102	2,190				

BRECOFLEX® TK5K6 Admissible tensile force of the belt F _{adm} / Belt weight				
Belt width	b [mm]	50	100	
E / Steel tension member	F _{adm} [N]	1920	3930	
Stainless steel tension member	F _{adm} [N]	1460	2990	
Belt weight	Standard	[kg/m]	0,123	0,232
	DL	[kg/m]	-	-
	DR	[kg/m]	-	-
	T	[kg/m]	-	-

BRECOFLEX® TK5K6 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 contraflexure	z _{min}	25	-	-	-	25	-	-	-	25	-	-	-
		d _{min} [mm]	40	-	-	-	40	-	-	-	40	-	-	-
	With contraflexure	z _{min}	25	-	-	-	25	-	-	-	36	-	-	-
		d _{min} [mm]	60	-	-	-	60	-	-	-	60	-	-	-