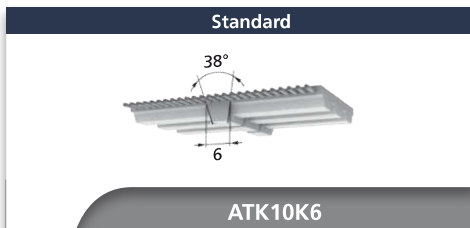
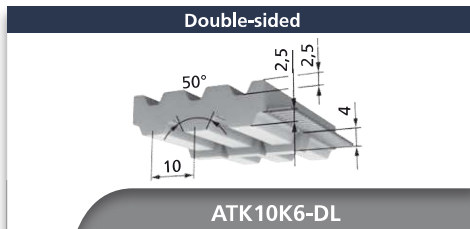


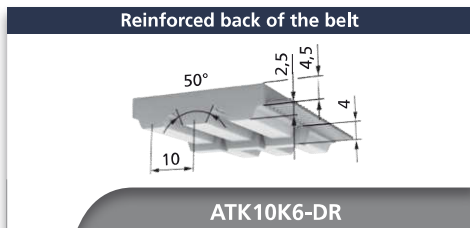
ATK10K6



ATK10K6



ATK10K6-DL



ATK10K6-DR

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

BFX ATK10K6	Available lengths and versions	
Standard lengths	see table on the right	
Any number of teeth available from	b= 50 mm	from 720 mm
	1080 mm	up to 22000 mm
Intermediate lengths	b= 50 mm	from 720 mm
	b= 100 mm	up to 1080 mm
StandardPlus version	b=50 mm: from 720 mm	
Over 22000 mm	1080 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	from 1500 mm	x
DL / DL-PAZ	o	
DR / DR-PAZ	o	
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	4750	475
1600	160	2800	280	5000	500
1700	170	3000	300	5300	530
1800	180	3150	315	5600	560
1900	190	3350	335	6000	600
2000	200	3550	355	6300	630
2120	212	3750	375	6700	670
2240	224	4000	400	7100	710
2360	236	4250	425	7500	750
2500	250	4500	450	8000	800

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

BRECOFLEX® ATK10K6 Tooth shear strength (specific belt tooth load bearing)							
R.p.m. n [min ⁻¹]	F _{Uspec} [N/cm]	M _{spec} [Ncm/cm]	P _{spec} [W/cm]	R.p.m. n [min ⁻¹]	F _{Uspec} [N/cm]	M _{spec} [Ncm/cm]	P _{spec} [W/cm]
0	87,50	13,933	0,000	2000	48,01	7,644	16,009
20	86,22	13,729	0,288	2200	46,41	7,391	17,025
40	85,01	13,537	0,567	2400	44,94	7,156	17,985
60	83,88	13,357	0,839	2600	43,58	6,939	18,892
80	82,81	13,187	1,105	2800	42,30	6,736	19,751
100	81,80	13,026	1,364	3000	41,11	6,546	20,565
200	77,43	12,329	2,582	3200	39,99	6,368	21,337
300	73,87	11,763	3,695	3400	38,93	6,199	22,069
400	70,88	11,286	4,727	3600	37,93	6,039	22,765
500	68,29	10,874	5,693	3800	36,97	5,887	23,426
600	66,02	10,512	6,604	4000	36,06	5,743	24,053
700	63,98	10,189	7,468	4500	33,97	5,409	25,486
800	62,15	9,896	8,290	5000	32,08	5,108	26,744
900	60,47	9,630	9,075	5500	30,36	4,835	27,844
1000	58,94	9,385	9,827	6000	28,79	4,584	28,800
1100	57,51	9,158	10,549	6500	27,33	4,352	29,623
1200	56,19	8,947	11,243	7000	25,98	4,137	30,326
1300	54,95	8,750	11,912	7500	24,72	3,936	30,915
1400	53,79	8,565	12,557	8000	23,54	3,748	31,398
1500	52,70	8,391	13,180	8500	22,43	3,571	31,783
1600	51,66	8,226	13,782	9000	21,37	3,403	32,074
1700	50,68	8,070	14,365	9500	20,38	3,245	32,278
1800	49,75	7,921	14,930	10000	19,43	3,094	32,398
1900	48,86	7,780	15,478				

BRECOFLEX® ATK10K6 Admissible tensile force of the belt F _{adm} / Belt weight			
Belt width	b [mm]	50	100
E / Steel tension member	F _{adm} [N]	7750	16000
Stainless steel tension member	F _{adm} [N]	5600	11200
Belt weight	Standard	[kg/m]	0,290
	DL	[kg/m]	0,386
	DR	[kg/m]	0,445
	T	[kg/m]	-

BRECOFLEX® ATK10K6 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		
z _{min}	d _{min}	Without contra-flexure	z _{min}	20	25	25*	-	18	20	-	-	25	40	25	-
		d _{min} [mm]	80	80	80	-	60	80	-	-	80	120	80	-	
z _{min}	d _{min}	With contra-flexure	z _{min}	25	25	25	-	20	22	-	-	40	40	40	-
		d _{min} [mm]	120	120	120	-	80	100	-	-	120	120	120	-	

*Speed limitation