



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

25	32	50	75	100	150 ¹⁾
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BFX AT10		Available lengths and versions	
Standard lengths	see table on the right		
Minimum purchase amount	up to 700 mm	1 sleeve (b= 100 mm)	
Any number of teeth available from	720 mm up to 22000 mm		
Under 1500 mm	b _{max} = 100		
Intermediate lengths	from 720 mm	o	
StandardPlus version	720 mm up to 22000 mm		
Over 22000 mm	on request		
Standard material	up to 700 mm	TPUST3	
	from 700 mm	TPUST1 ²⁾	
Steel tension member (Standard)	x		
E tension member	o		
Stainless steel tension member	o		
PAZ	x		
DL / DL-PAZ	b _{max} =100	from 900 mm	o ³⁾
DR / DR-PAZ	b _{max} =100	from 900 mm	o
T / T-PAZ	b _{max} =100	from 1080 mm	o

Standard lengths [mm] / Number of teeth

Length	Number of teeth	Length	Number of teeth	Length	Number of teeth
400	40	1010	101	3000	300
500	50	1080	108	3150	315
530	53	1150	115	3350	335
560	56	1210	121	3550	355
610	61	1240	124	3750	375
630	63	1250	125	4000	400
660	66	1320	132	4250	425
700	70	1400	140	4500	450
720	72	1500	150	4750	475
780	78	1600	160	5000	500
800	80	1700	170	5300	530
810	81	1800	180	5600	560
840	84	1900	190	6000	600
850	85	2000	200	6300	630
880	88	2120	212	6700	670
890	89	2240	224	7100	710
920	92	2360	236	7500	750
960	96	2500	250	8000	800
970	97	2650	265	9000	900
980	98	2800	280		

- x available, standard lengths from 720 mm (see table) without minimum purchase amount
- o minimum purchase amount on request
- not available
- 1) 150 mm belt width available from 1500 mm up to 15000 mm
- 2) further materials on request
- 3) only inner side can be coated

BRECOFLEX® AT10 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	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® AT10 Admissible tensile force of the belt F_{adm} / Belt weight

Belt width	b [mm]	25	32	50	75	100	150	
E / Steel tension member	F _{adm} [N]	3500	4750	7750	12000	16000	24500	
Stainless steel tension member	F _{adm} [N]	2520	3420	5580	8640	11520	17640	
Belt weight	Standard	[kg/m]	0,138	0,180	0,290	0,436	0,581	0,839
	DL	[kg/m]	0,184	0,233	0,375	0,566	0,755	-
	DR	[kg/m]	0,213	0,275	0,433	0,653	0,871	-
	T	[kg/m]	0,198	0,256	0,404	0,609	0,812	-

BRECOFLEX® AT10 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			
		z _{min}	d _{min}	z _{min}	d _{min}	z _{min}	d _{min}	z _{min}	d _{min}	z _{min}	d _{min}	z _{min}	d _{min}	z _{min}	d _{min}	z _{min}	d _{min}	z _{min}	d _{min}	z _{min}	d _{min}	z _{min}	d _{min}	z _{min}	d _{min}	z _{min}	d _{min}	z _{min}	d _{min}				
Without contra-flexure	z _{min}	15	25	25	25	12	20	-	-	25	40	-	-	25	40	-	-	25	40	-	-	25	40	-	-								
	d _{min} [mm]	50	80	80	80	50	80	-	-	80	120	-	-	80	120	-	-	80	120	-	-	80	120	-	-								
With contra-flexure	z _{min}	25	25	25	25	20	20	-	-	40	40	-	-	40	40	-	-	40	40	-	-	40	40	-	-								
	d _{min} [mm]	120	120	120	120	80	80	-	-	120	120	-	-	120	120	-	-	120	120	-	-	120	120	-	-								