



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

10	16	25	32	50	75	100
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BFX AT5	Available lengths and versions	
Standard lengths	see table on the right	
Minimum purchase amount	up to 660 mm	1 sleeve (b= 100 mm)
Any number of teeth available from	720 mm up to 15000 mm	
Intermediate lengths	from 720 mm	o
Version StandardPlus	720 mm up to 15000 mm	
Over 15000 mm	on request	
Standard material	up to 660 mm	TPUST3
	from 720 mm	TPUST1 ¹⁾
Steel tension member (Standard)	x	
E tension member	o	
Stainless steel tension member (E)	o	
PAZ	x	
DL / DL-PAZ	from 900 mm	o ²⁾
DR / DR-PAZ	from 900 mm	o
T / T-PAZ	o	

Standard lengths [mm] / Number of teeth

Length	Number of teeth	Length	Number of teeth	Length	Number of teeth
225	45	1005	201	3000	600
255	51	1020	204	3150	630
280	56	1075	215	3350	670
305	61	1100	220	3550	710
340	68	1215	243	3750	750
390	78	1380	276	4000	800
420	84	1400	280	4250	850
455	91	1500	300	4500	900
500	100	1600	320	4750	950
545	109	1700	340	5000	1000
610	122	1800	360	5300	1060
660	132	1900	380	5600	1120
720	144	2000	400	6000	1200
780	156	2120	424	6300	1260
840	168	2240	448	6700	1340
855	171	2360	472	7100	1420
875	175	2500	500	7500	1500
960	192	2650	530		
990	198	2800	560		

- x available, standard lengths from 720 mm (see table) without minimum purchase amount
- o minimum purchase amount on request
- not available
- 1) further materials on request
- 2) only inner side can be coated

BRECOFLEX® AT5 Tooth shear strength (specific belt tooth load bearing)

R.p.m. n [min ⁻¹]	F _{Uspec} [N/cm]	M _{Uspec} [Ncm/cm]	P _{Uspec} [W/cm]	R.p.m. n [min ⁻¹]	F _{Uspec} [N/cm]	M _{Uspec} [Ncm/cm]	P _{Uspec} [W/cm]
0	42,00	3,344	0,000	2000	26,05	2,074	4,344
20	41,52	3,306	0,069	2200	25,38	2,020	4,654
40	41,07	3,270	0,137	2400	24,75	1,971	4,953
60	40,64	3,236	0,203	2600	24,18	1,925	5,241
80	40,23	3,203	0,268	2800	23,64	1,882	5,518
100	39,85	3,172	0,332	3000	23,13	1,842	5,785
200	38,14	3,037	0,636	3200	22,65	1,804	6,044
300	36,73	2,925	0,919	3400	22,20	1,768	6,294
400	35,53	2,829	1,185	3600	21,78	1,734	6,536
500	34,48	2,745	1,437	3800	21,37	1,701	6,770
600	33,55	2,672	1,678	4000	20,98	1,671	6,997
700	32,72	2,605	1,910	4500	20,09	1,599	7,537
800	31,96	2,545	2,132	5000	19,28	1,535	8,038
900	31,27	2,490	2,346	5500	18,55	1,477	8,506
1000	30,63	2,439	2,554	6000	17,88	1,423	8,942
1100	30,04	2,392	2,755	6500	17,26	1,374	9,351
1200	29,49	2,348	2,950	7000	16,68	1,328	9,733
1300	28,97	2,307	3,140	7500	16,14	1,285	10,090
1400	28,48	2,268	3,325	8000	15,63	1,245	10,425
1500	28,02	2,231	3,505	8500	15,15	1,207	10,739
1600	27,59	2,197	3,680	9000	14,70	1,171	11,033
1700	27,18	2,164	3,852	9500	14,28	1,137	11,307
1800	26,78	2,132	4,019	10000	13,87	1,104	11,564
1900	26,41	2,103	4,183				

BRECOFLEX® AT5 Admissible tensile force of the belt F_{adm} / Belt weight

Belt width	b [mm]	10	16	25	32	50	75	100	
E / Steel tension member	F _{adm} [N]	700	1260	2030	2660	4200	6370	8610	
Stainless steel tension member (E)	F _{adm} [N]	455	820	1320	1730	2730	4140	5597	
Belt weight	Standard	[kg/m]	0,031	0,052	0,085	0,105	0,164	0,241	0,328
	DL	[kg/m]	0,040	0,064	0,101	0,130	0,204	0,307	0,410
	DR	[kg/m]	0,045	0,073	0,115	0,148	0,231	0,348	0,464
	T	[kg/m]	0,053	0,084	0,132	0,169	0,264	0,396	0,528

BRECOFLEX® AT5 Flexibility (minimum number of teeth / minimum diameter)

		Steel tension member				E tension member				Stainless steel tension member (E)				
		Standard	DL	DR	T	Standard	DL	DR	T	Standard	DL	DR	T	
z _{min} d _{min}	Without contra-flexure	z _{min}	15	25	25	25	12	20	25	25	22	-	-	25
	d _{min} [mm]	25	60	60	60	18	20	60	60	35	-	-	60	
z _{min} d _{min}	With contra-flexure	z _{min}	25	25	25	25	20	20	25	25	30	-	-	30
	d _{min} [mm]	60	60	60	60	50	50	60	60	60	-	-	60	