



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

6	10	16	25	32
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BFX AT3	Available length and versions
Standard lengths	-
Any number of teeth available from	720 mm up to 1701 mm
StandardPlus version	720 mm up to 1701 mm
Minimum purchase amount	1 sleeve (b=100 mm)
Standard material	TPUST1 ¹⁾
Steel tension member	-
E tension member (Standard)	x
Stainless steel tension member	o
PAZ	x
DL / DL-PAZ	-
DR / DR-PAZ	-
T / T-PAZ	-

- x available, minimum purchase amount 1 sleeve
- o minimum purchase amount on request
- not available
- 1) further materials on request

BRECOFLEX® AT3 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	38,50	1,839	0,000	2000	24,76	1,183	2,477
20	38,10	1,820	0,038	2200	24,17	1,155	2,660
40	37,72	1,802	0,075	2400	23,63	1,129	2,837
60	37,36	1,785	0,112	2600	23,12	1,105	3,007
80	37,02	1,768	0,148	2800	22,65	1,082	3,172
100	36,69	1,753	0,184	3000	22,21	1,061	3,332
200	35,24	1,683	0,353	3200	21,79	1,041	3,488
300	34,03	1,626	0,511	3400	21,39	1,022	3,638
400	33,00	1,577	0,660	3600	21,02	1,004	3,785
500	32,10	1,533	0,803	3800	20,66	0,987	3,927
600	31,30	1,495	0,939	4000	20,32	0,971	4,066
700	30,58	1,461	1,071	4500	19,54	0,933	4,398
800	29,92	1,429	1,197	5000	18,83	0,899	4,709
900	29,32	1,401	1,320	5500	18,18	0,869	5,003
1000	28,76	1,374	1,439	6000	17,59	0,840	5,280
1100	28,25	1,349	1,554	6500	17,05	0,814	5,542
1200	27,77	1,326	1,667	7000	16,54	0,790	5,791
1300	27,31	1,305	1,776	7500	16,06	0,767	6,026
1400	26,89	1,285	1,883	8000	15,62	0,746	6,250
1500	26,49	1,265	1,988	8500	15,20	0,726	6,462
1600	26,11	1,247	2,090	9000	14,80	0,707	6,664
1700	25,75	1,230	2,190	9500	14,43	0,689	6,855
1800	25,41	1,214	2,287	10000	14,07	0,672	7,037
1900	25,08	1,198	2,383				

BRECOFLEX® AT3 Admissible tensile force of the belt F _{adm} / Belt weight							
Belt width	b [mm]	6	10	16	25	32	
E / Steel tension member	F _{adm} [N]	190	380	645	1100	1400	
Stainless steel tension member (E)	F _{adm} [N]	165	335	565	970	1230	
Belt weight	Standard	[kg/m]	0,014	0,023	0,037	0,058	0,074
	DL	[kg/m]	-	-	-	-	-
	DR	[kg/m]	-	-	-	-	-
	T	[kg/m]	-	-	-	-	-

BRECOFLEX® AT3 Flexibility (minimum number of teeth / minimum diameter)														
		Steel tension member				E steel 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	-	-	-	20	-	-	-
		d _{min} [mm]	-	-	-	-	20	-	-	-	30	-	-	-
z _{min} d _{min}	With contra-flexure	z _{min}	-	-	-	-	20	-	-	-	30	-	-	-
		d _{min} [mm]	-	-	-	-	20	-	-	-	40	-	-	-