



Belt widths b [mm] (in-between belt widths on request)				
25	32	50	75	100

BFX ATS15	Available length and versions
Standard lengths	-
Any number of teeth available from	1500 mm up to 22000 mm
StandardPlus version	1500 mm up to 22000 mm
Over 22000 mm	on request
Minimum purchase amount	1 sleeve (b=100mm)
Standard material	TPUST1 ¹⁾
Steel tension member (Standard)	x
E tension member	-
Stainless steel tension member	o
PAZ	x
DL / DL-PAZ ²⁾	o ²⁾
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
- 2) only inner side can be coated

BRECOFLEX® ATS15				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	168,00	40,127	0,000	1600	92,93	22,196	37,187
20	165,24	39,469	0,827	1700	90,90	21,712	38,649
40	162,67	38,854	1,627	1800	88,97	21,251	40,055
60	160,26	38,278	2,405	1900	87,14	20,813	41,407
80	157,98	37,734	3,161	2000	85,38	20,394	42,709
100	155,83	37,221	3,898	2200	82,09	19,608	45,171
200	146,57	35,010	7,332	2400	79,06	18,884	47,458
300	139,10	33,224	10,437	2600	76,25	18,213	49,584
400	132,83	31,726	13,288	2800	73,63	17,586	51,561
500	127,43	30,436	15,935	3000	71,17	16,999	53,399
600	122,68	29,304	18,411	3200	68,86	16,447	55,109
700	118,46	28,294	20,739	3400	66,67	15,925	56,697
800	114,64	27,383	22,939	3600	64,61	15,432	58,171
900	111,17	26,553	25,024	3800	62,64	14,963	59,538
1000	107,98	25,792	27,007	4000	60,78	14,516	60,802
1100	105,03	25,087	28,897	4500	56,46	13,486	63,547
1200	102,29	24,433	30,701	5000	52,58	12,558	65,751
1300	99,73	23,821	32,427	5500	49,05	11,715	67,468
1400	97,33	23,247	34,080	6000	45,81	10,942	68,743
1500	95,07	22,707	35,665	6500	42,82	10,227	69,611

BRECOFLEX® ATS15		Admissible tensile force of the belt F _{adm} / Belt weight					
Belt width	b [mm]	25	32	50	75	100	
E / Steel tension member	F _{adm} [N]	6150	7995	12915	19680	26445	
Stainless steel tension member	F _{adm} [N]	4900	6370	10290	15680	21070	
Belt weight	Standard	[kg/m]	0,219	0,280	0,438	0,656	0,875
	DL	[kg/m]	0,294	0,377	0,589	0,883	1,178
	DR	[kg/m]	-	-	-	-	-
	T	[kg/m]	-	-	-	-	-

BRECOFLEX® ATS15		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}	25	40	-	-	-	-	-	-	-	-	30	60	-	-
	d _{min} [mm]	120	250	-	-	-	-	-	-	-	-	-	180	300	-	-
z _{min} d _{min}	With contra-flexure	z _{min}	40	40	-	-	-	-	-	-	-	-	60	60	-	-
	d _{min} [mm]	250	250	-	-	-	-	-	-	-	-	-	300	300	-	-