



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

12,7	19,1	25,4	38,1	50,8	76,2	101,6
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**Imperial code**

050	075	100	150	200	300	400
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1/2" = 12,7 mm

BFX H	Available lengths and versions	
Standard lengths	see table on the right	
Any number of teeth available from	723,9 mm up to 16002 mm	
Intermediate lengths	from 723,9 mm	o
StandardPlus version	723,9 mm up to 16002 mm	
Over 16002 mm	on request	
Standard material	from 723,9 mm	TPUST1 <sup>1)</sup>
Steel tension member (Standard)	x	
E tension member	-	
Stainless steel tension member	-	
PAZ	x	
DL / DL-PAZ	from 901,7 mm	o
DR / DR-PAZ	from 901,7 mm	o
T / T-PAZ	o	

**Length code / Standard lengths [mm] / Number of teeth**

Length code	Length [mm]	Number of teeth	Length code	Length [mm]	Number of teeth
420	1066,80	84	850	2159,00	170
450	1143,00	90	900	2286,00	180
480	1219,20	96	1000	2540,00	200
510	1295,40	102	1100	2794,00	220
540	1371,60	108	1250	3175,00	250
570	1447,80	114	1400	3556,00	280
600	1524,00	120	1700	4318,00	340
630	1600,20	126	2000	5080,00	400
660	1676,40	132	2300	5842,00	460
700	1778,00	140	2600	6604,00	520
750	1905,00	150	3000	7620,00	600
800	2032,00	160			

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

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

R.p.m. n [min <sup>-1</sup> ]	F <sub>spec</sub> [N/cm]	M <sub>spec</sub> [Ncm/cm]	P <sub>spec</sub> [W/cm]	R.p.m. n [min <sup>-1</sup> ]	F <sub>spec</sub> [N/cm]	M <sub>spec</sub> [Ncm/cm]	P <sub>spec</sub> [W/cm]
0	44,00	8,90	0,000	2000	22,10	4,47	9,370
20	42,70	8,64	0,181	2200	21,50	4,34	10,000
40	41,60	8,41	0,352	2400	20,90	4,22	10,600
60	40,70	8,22	0,516	2600	20,30	4,11	11,180
80	39,80	8,05	0,674	2800	19,81	4,00	11,740
100	39,10	7,89	0,827	3000	19,33	3,91	12,270
200	36,10	7,30	1,530	3200	18,88	3,82	12,790
300	34,10	6,89	2,160	3400	18,45	3,73	13,280
400	32,50	6,56	2,750	3600	18,05	3,65	13,760
500	31,10	6,30	3,300	3800	17,68	3,57	14,220
600	30,00	6,07	3,810	4000	17,32	3,50	14,660
700	29,10	5,88	4,310	4500	16,49	3,33	15,700
800	28,20	5,71	4,780	5000	15,74	3,18	16,660
900	27,50	5,55	5,230	5500	15,07	3,05	17,550
1000	26,80	5,41	5,670	6000	14,46	2,92	18,360
1100	26,20	5,29	6,090	6500	13,89	2,81	19,110
1200	25,60	5,17	6,500	7000	13,36	2,70	19,800
1300	25,10	5,06	6,890	7500	12,87	2,60	20,400
1400	24,60	4,96	7,280	8000	12,42	2,51	21,000
1500	24,10	4,87	7,650	8500	11,99	2,42	21,600
1600	23,70	4,78	8,010	9000	11,58	2,34	22,100
1700	23,20	4,70	8,360	9500	11,19	2,26	22,500
1800	22,90	4,62	8,710	10000	10,83	2,19	22,900
1900	22,50	4,54	9,040				

**BRECOFLEX® H Admissible tensile force of the belt F<sub>adm</sub> / Belt weight**

Belt width	b [mm]	12,7	19,1	25,4	38,1	50,8	76,2	101,6	
E / Steel tension member	F <sub>adm</sub> [N]	800	1300	1800	2800	3800	5800	7900	
Stainless steel tension member	F <sub>adm</sub> [N]	-	-	-	-	-	-	-	
Belt weight	Standard	[kg/m]	0,053	0,079	0,108	0,161	0,216	0,324	0,432
	DL	[kg/m]	0,064	0,097	0,130	0,196	0,262	0,394	0,527
	DR	[kg/m]	0,085	0,128	0,171	0,258	0,345	0,518	0,692
	T	[kg/m]	0,082	0,124	0,165	0,249	0,333	0,499	0,668

**BRECOFLEX® H 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 <sub>min</sub> d <sub>min</sub>	Without contra-flexure	z <sub>min</sub>	14	20	20	20	-	-	-	-	-	-	-	-
	d <sub>min</sub> [mm]		60	60	80	80	-	-	-	-	-	-	-	-
z <sub>min</sub> d <sub>min</sub>	With contra-flexure	z <sub>min</sub>	20	20	20	20	-	-	-	-	-	-	-	-
	d <sub>min</sub> [mm]		80	80	80	80	-	-	-	-	-	-	-	-