



Belt widths b [mm] (in-between belt widths on request)						
10	16	25	32	50	75	100

AT5 (M/V)	Available lengths and versions
Standard delivery lengths (M)	rolls of 50 or 100 m
Cut to lengths / lengths > 100 m	on request
Minimum length joined (V)	880 mm
Standard material	TPUST1 <sup>1)</sup>
Steel tension member (Standard)	x
E tension member	o
Stainless steel tension member (E)	o
PAZ	x
PAR	x
PAZ-PAR	x
DL / DL-PAZ	-
DR / DR-PAZ	-
T / T-PAZ	-

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

BRECO® AT5 (M/V)		Specific tooth force					
R.p.m. n [min <sup>-1</sup> ]	F <sub>tspec</sub> [N/cm]	R.p.m. n [min <sup>-1</sup> ]	F <sub>tspec</sub> [N/cm]	R.p.m. n [min <sup>-1</sup> ]	F <sub>tspec</sub> [N/cm]	R.p.m. n [min <sup>-1</sup> ]	F <sub>tspec</sub> [N/cm]
0	42,00	800	31,96	2000	26,05	5000	19,28
20	41,52	900	31,27	2200	25,38	5500	18,55
40	41,07	1000	30,63	2400	24,75	6000	17,88
60	40,64	1100	30,04	2600	24,18	6500	17,26
80	40,23	1200	29,49	2800	23,64	7000	16,68
100	39,85	1300	28,97	3000	23,13	7500	16,14
200	38,14	1400	28,48	3200	22,65	8000	15,63
300	36,73	1500	28,02	3400	22,20	8500	15,15
400	35,53	1600	27,59	3600	21,78	9000	14,70
500	34,48	1700	27,18	3800	21,37	9500	14,28
600	33,55	1800	26,78	4000	20,98	10000	13,87
700	32,72	1900	26,41	4500	20,09		

BRECO® AT5 (M/V)		Admissible tension cord strength F <sub>Tadm</sub> / Specific elasticity / Belt weight							
Belt width		b [mm]	10	16	25	32	50	75	100
M	E / Steel tension member	F <sub>Tadm</sub> [N]	700	1120	1750	2240	3500	5250	7000
	Specific elasticity (E / Steel tension member)	C <sub>spec</sub> [N]	0,175·10 <sup>6</sup>	0,280·10 <sup>6</sup>	0,440·10 <sup>6</sup>	0,560·10 <sup>6</sup>	0,875·10 <sup>6</sup>	1,310·10 <sup>6</sup>	1,75·10 <sup>6</sup>
	Stainless steel tension member (E)	F <sub>Tadm</sub> [N]	455	730	1140	1460	2280	3420	4500
	Specific elasticity (stainless steel tension member (E))	C <sub>spec</sub> [N]	0,175·10 <sup>6</sup>	0,280·10 <sup>6</sup>	0,440·10 <sup>6</sup>	0,560·10 <sup>6</sup>	0,875·10 <sup>6</sup>	1,310·10 <sup>6</sup>	1,75·10 <sup>6</sup>
V	E / Steel tension member	F <sub>Tadm</sub> [N]	350	560	910	1120	1750	2380	3500
	Stainless steel tension member (E)	F <sub>Tadm</sub> [N]	230	365	570	730	1140	1710	2250
Belt weight	Standard	[kg/m]	0,033	0,052	0,082	0,105	0,164	0,245	0,327
	DL	[kg/m]	-	-	-	-	-	-	-
	DR	[kg/m]	-	-	-	-	-	-	-
	T	[kg/m]	-	-	-	-	-	-	-

BRECO® AT5 (M/V)		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 <sub>min</sub> d <sub>min</sub>	Without contra-flexure	z <sub>min</sub>	18 (15)	-	-	-	15 (12)	-	-	-	22 (18)	-	-	-
		d <sub>min</sub> [mm]	30 (25)	-	-	-	25 (18)	-	-	-	35 (30)	-	-	-
z <sub>min</sub> d <sub>min</sub>	With contra-flexure	z <sub>min</sub>	25	-	-	-	20	-	-	-	30 (25)	-	-	-
		d <sub>min</sub> [mm]	60	-	-	-	50	-	-	-	60 (50)	-	-	-

(Deviate values in brackets apply to joined timing belts.)