



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

12,7	19,1	25,4	38,1	50,8	76,2	101,6	152,4
------	------	------	------	------	------	-------	-------

T1/2" (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)	Standard	880 mm
	b=152,4	1000 mm
Standard material		TPUST1 ¹⁾
Steel tension member (Standard)		x
E tension member		-
Stainless steel tension member		o
PAZ		x
PAR		x
PAZ-PAR		x
DL / DL-PAZ		-
DR / DR-PAZ		-
T / T-PAZ	b _{max} =101,6	o

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

BRECO® T1/2" (M/V)		Specific tooth force					
R.p.m.	F _{tspec} [N/cm]	R.p.m.	F _{tspec} [N/cm]	R.p.m.	F _{tspec} [N/cm]	R.p.m.	F _{tspec} [N/cm]
n [min ⁻¹]		n [min ⁻¹]		n [min ⁻¹]		n [min ⁻¹]	
0	44,00	800	28,20	2000	22,10	5000	15,74
20	42,70	900	27,50	2200	21,50	5500	15,07
40	41,60	1000	26,80	2400	20,90	6000	14,46
60	40,70	1100	26,20	2600	20,30	6500	13,89
80	39,80	1200	25,60	2800	19,81	7000	13,36
100	39,10	1300	25,10	3000	19,33	7500	12,87
200	36,10	1400	24,60	3200	18,88	8000	12,42
300	34,10	1500	24,10	3400	18,45	8500	11,99
400	32,50	1600	23,70	3600	18,05	9000	11,58
500	31,10	1700	23,20	3800	17,68	9500	11,19
600	30,00	1800	22,90	4000	17,32	10000	10,83
700	29,10	1900	22,50	4500	16,49		

BRECO® T1/2" (M/V)		Admissible tension cord strength F _{Tadm} / Specific elasticity / Belt weight									
Belt width		b [mm]	12,7	19,1	25,4	38,1	50,8	76,2	101,6	152,4	
M	E / Steel tension member	F _{Tadm} [N]	1000	1600	2200	3200	4400	6600	8800	13200	
	Specific elasticity (E / Steel tension member)	C _{spec} [N]	0,25·10 ⁶	0,4·10 ⁶	0,55·10 ⁶	0,80·10 ⁶	1,1·10 ⁶	1,65·10 ⁶	2,2·10 ⁶	3,3·10 ⁶	
	Stainless steel tension member	F _{Tadm} [N]	800	1280	1760	2560	3520	5280	7040	10560	
	Specific elasticity (stainless steel tension member)	C _{spec} [N]	0,25·10 ⁶	0,4·10 ⁶	0,55·10 ⁶	0,80·10 ⁶	1,1·10 ⁶	1,65·10 ⁶	2,2·10 ⁶	3,3·10 ⁶	
V	E / Steel tension member	F _{Tadm} [N]	500	800	1100	1600	2200	3300	4400	6600	
	Stainless steel tension member	F _{Tadm} [N]	400	640	880	1280	1760	2640	3520	5280	
Belt weight	Standard	[kg/m]	0,053	0,081	0,108	0,161	0,216	0,324	0,432	0,648	
	DL	[kg/m]	-	-	-	-	-	-	-	-	
	DR	[kg/m]	-	-	-	-	-	-	-	-	
	T	[kg/m]	0,084	0,127	0,169	0,253	0,338	0,507	0,676	-	

BRECO® T1/2" (M/V)		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}	14	-	-	20	-	-	-	-	25	-	-	25
		d _{min} [mm]	60	-	-	80	-	-	-	-	100	-	-	100
z _{min} d _{min}	With contra-flexure	z _{min}	20	-	-	20	-	-	-	-	40	-	-	40
		d _{min} [mm]	80	-	-	80	-	-	-	-	160	-	-	160