



Belt widths b [mm]		
50	75	100

BATK15 (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)		960 mm
Standard material		TPUST1 ¹⁾
Steel tension member (Standard)		x
E tension member		-
Stainless steel tension member		o
PAZ	Color: white	x
PAR	Color: green	x
PAZ-PAR	Color: white-green	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® BATK15 (M/V) Specific tooth force							
R.p.m.	F _{tspec}	R.p.m.	F _{tspec}	R.p.m.	F _{tspec}	R.p.m.	F _{tspec}
n [min ⁻¹]	[N/cm]	n [min ⁻¹]	[N/cm]	n [min ⁻¹]	[N/cm]	n [min ⁻¹]	[N/cm]
0	140,00	800	95,54	2000	71,15	5000	43,82
20	137,70	900	92,64	2200	68,41	5500	40,87
40	135,56	1000	89,98	2400	65,89	6000	38,17
60	133,55	1100	87,53	2600	63,54	6500	35,68
80	131,65	1200	85,24	2800	61,36		
100	129,86	1300	83,11	3000	59,31		
200	122,15	1400	81,11	3200	57,38		
300	115,92	1500	79,22	3400	55,56		
400	110,69	1600	77,44	3600	53,84		
500	106,19	1700	75,75	3800	52,20		
600	102,24	1800	74,14	4000	50,65		
700	98,71	1900	72,61	4500	47,05		

BRECO® BATK15 (M/V) Admissible tension cord strength F _{Tadm} / Specific elasticity / Belt weight					
Belt width		b [mm]	50	75	100
M	E / Steel tension member	F _{Tadm} [N]	11200	16800	22400
	Specific elasticity (E / Steel tension member)	C _{spec} [N]	2,80·10 ⁶	4,20·10 ⁶	5,60·10 ⁶
	Stainless steel tension member	F _{Tadm} [N]	9000	13500	18000
	Specific elasticity (stainless steel tension member)	C _{spec} [N]	2,80·10 ⁶	4,20·10 ⁶	5,60·10 ⁶
V	E / Steel tension member	F _{Tadm} [N]	5600	8400	11200
	Stainless steel tension member	F _{Tadm} [N]	4500	6750	9000
Belt weight	Standard	[kg/m]	0,428	0,642	0,856
	DL	[kg/m]	-	-	-
	DR	[kg/m]	-	-	-
	T	[kg/m]	-	-	-

BRECO® BATK15 (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}	Without contra-flexure	z _{min}	20 (25)	-	-	-	-	-	-	25	-	-	-
		d _{min} [mm]	100 (120)	-	-	-	-	-	-	120	-	-	-
z _{min}	With contra-flexure	z _{min}	30 (35)	-	-	-	-	-	-	35 (40)	-	-	-
		d _{min} [mm]	150 (180)	-	-	-	-	-	-	180 (190)	-	-	-

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