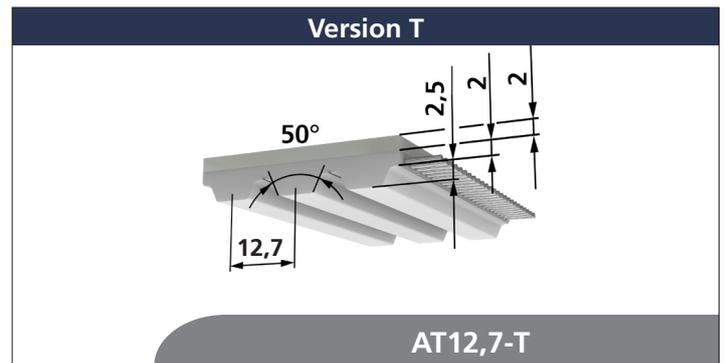
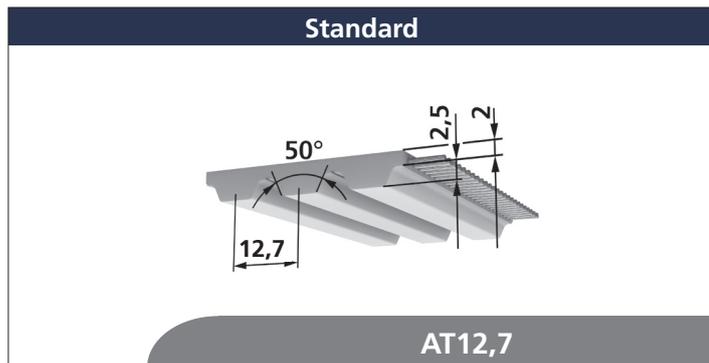


BRECO timing belt AT12,7

Open length M / joined (V)



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

AT12,7 (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)	876 mm
Standard material	TPUST1 ¹⁾
Steel tension member (Standard)	x
E tension member	o
Stainless steel tension member	o
PAZ	x
PAR	x
PAZ-PAR	x
DL / DL-PAZ	-
DR / DR-PAZ	-
T / T-PAZ	o

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

BRECO timing belt AT12,7

Open length M / joined (V)

BRECO® AT12,7 (M/V)		Specific tooth force					
R.p.m. n [min ⁻¹]	F _{tspec} [N/cm]						
0	87,500	800	62,148	2000	48,006	5000	32,079
20	86,216	900	60,475	2200	46,413	5500	30,362
40	85,013	1000	58,937	2400	44,943	6000	28,787
60	83,881	1100	57,514	2600	43,578	6500	27,333
80	82,814	1200	56,190	2800	42,305	7000	25,982
100	81,803	1300	54,953	3000	41,112	7500	24,721
200	77,426	1400	53,791	3200	39,989	8000	23,538
300	73,870	1500	52,696	3400	38,929	8500	22,425
400	70,877	1600	51,661	3600	37,925	9000	21,374
500	68,291	1700	50,679	3800	36,972	9500	20,377
600	66,016	1800	49,746	4000	36,064	10000	19,430
700	63,984	1900	48,856	4500	33,967		

BRECO® AT12,7 (M/V)		Admissible tension cord strength F _{tadm} / Spec. elasticity / Belt weight					
Belt widths		b [mm]	25	50	75	100	
M	E- / Steel tension member	F _{tadm} [N]	4250	8500	12750	17000	
	spec. elasticity (E- / steel tension member)	C _{spec} [N]	1,06·10 ⁶	2,12·10 ⁶	3,18·10 ⁶	4,25·10 ⁶	
	Stainless steel tension member	F _{tadm} [N]	3190	6375	9560	12750	
	spec. elasticity (steel tension member)	C _{spec} [N]	1,06·10 ⁶	2,12·10 ⁶	3,18·10 ⁶	4,25·10 ⁶	
V	E- / Steel tension member	F _{tadm} [N]	2125	4250	6375	8500	
	Stainless steel tension member	F _{tadm} [N]	1595	3190	4780	6375	
Belt weight	Standard		[kg/m]	0,142	0,285	0,427	0,570
	DL		[kg/m]	-	-	-	-
	DR		[kg/m]	-	-	-	-
	T		[kg/m]	0,202	0,405	0,607	0,810

BRECO AT12,7		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
 without contra- flexure	z _{min}	12	-	-	20	12	-	-	20	20 (18)	-	-	20
	d _{min} [mm]	50	-	-	80	50	-	-	80	80 (70)	-	-	80
 with contra- flexure	z _{min}	20	-	-	20	20	-	-	20	30 (25)	-	-	32
	d _{min} [mm]	120	-	-	120	80	-	-	120	130 (100)	-	-	130

(Deviate values in brackets apply to joined timing belts)