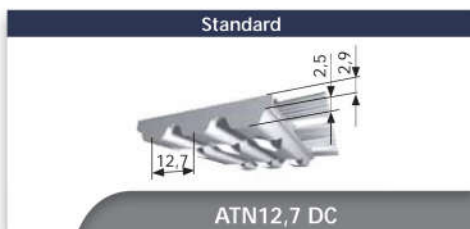


ATN12,7



ATN12,7 DC

	B	C <sub>min</sub>	Belt widths b [mm]			
ATN12,7	25	12,7	25	50	75	100
ATN12,7 DC	25	12,7	-	50	75	100
Number of shapes for inset parts per tooth <sup>1)</sup>			1	2	3	4

ATN12,7 / ATN12,7 DC (M/V)	Available lengths and versions
Standard delivery lengths (M)	rolls of 50 or 100 m
Cuts / lengths > 100 m	on request
Endless joined, minimum length (V)	880 mm
Standard material	TPUST1
Steel cord tension member (standard)	x
VA tension member	o
PAZ (white)	x
PAR (green)	x
PAZ-PAR (white / green)	x

- x available
- o request minimum purchase amount
- not available

**Available materials:**

- TPUST1: Standard material, steel cord tension members
- TPUFD1: Material is suitable for contact with food, FDA conform, with VA tension members
- TPUKF1: Material flexible at low temperatures, application area from -25°C to +5°C, with steel cord tension members

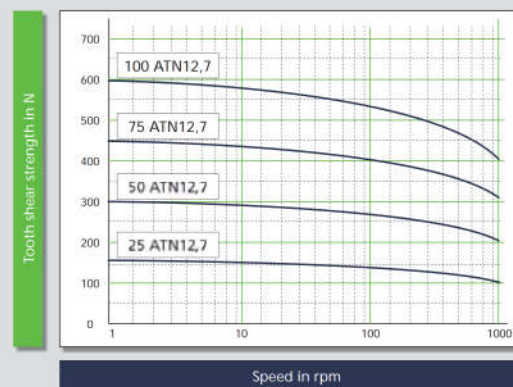
Further materials on request. Depending on the material and/or version, a minimum purchase is required, please request

The shapes for the inset parts are factory sealed with an approx. 0.2 mm thick TPU skin. Open these shapes to inset the profile fastenings. If you want the timing belt pierced, please inform your responsible distribution partner about the required spacing C when ordering. The shortest longitudinal spacing of the shapes in the belt tooth corresponds with pitch.



**Technical data for the belt type / Belt width depend on the circumferential force load**

ATN12,7 / ATN12,7 DC - Tooth shear strength  $F_{U,spec}$  per belt tooth in mesh in N



BRECO® ATN12,7 / ATN12,7 DC (M/V)		Tension cord strengths $F_{Tadm}$ / Specific elasticities / Belt weights				
Belt width		b [mm]	25	50	75	100
M	Steel cord tension member	$F_{Tadm}$ [N]	3000	6000	9000	12000
	Specific elasticity (steel cord)	$C_{spec}$ [N]	0,75 · 10 <sup>6</sup>	1,5 · 10 <sup>6</sup>	2,25 · 10 <sup>6</sup>	3,0 · 10 <sup>6</sup>
	VA tension member	$F_{Tadm}$ [N]	2150	4300	6450	8600
	Specific elasticity (stainless steel)	$C_{spec}$ [N]	0,54 · 10 <sup>6</sup>	1,08 · 10 <sup>6</sup>	1,61 · 10 <sup>6</sup>	2,15 · 10 <sup>6</sup>
V	Steel cord tension member	$F_{Tadm}$ [N]	1000	2000	3000	4000
	VA tension member	$F_{Tadm}$ [N]	1000	2000	3000	4000
Belt weight <sup>1)</sup>	ATN12,7	[kg/m]	0,111	0,222	0,333	0,444
	ATN12,7 DC	[kg/m]	-	0,282	0,423	0,564

BRECO® ATN12,7 / ATN12,7 DC (M/V)		Flexibility (minimum numbers of teeth / minimum diameter)	
		Steel cord	VA stainless steel cord
	Without contra-flexure	$z_{min}$	20
		$d_{min}$ [mm]	80

**Circumferential force  $F_U$**

The transmittable circumferential force  $F_U$  depends on the shear strength  $F_{U,spec}$  and the number of teeth in mesh  $z_e$  realised at the drive pulley, which should be  $z_{e,min} = 6$  at least.

Max.  $z_{e,max} = 6$  (welded belts) and  $z_{e,max} = 12$  (open length) are used for the calculation.

$$F_U = F_{U,spec} \cdot z_e$$

<sup>1)</sup> The stated masses only refer to the extruded belt and are, for this reason, without inset parts, screws and profiles.