

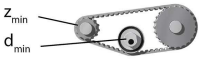

Belt widths b [mm] (In-between belt widths on request)	
50	75

Available length and versions	AT10	Comment
Standard delivery length (M)	-	-
Cut to lengths / lengths > 100 m	-	-
minimum length endless joined (V)	1200 mm	only belt widths listed in the table available
Standard material	TPUST1	further materials on request
Steel tension member (standard)	standard in the field of gearing	-
E tension member	-	-
Stainless steel cord (VA301)	in the area of the vacuum track standard	-
Polyamide fabric on the tooth side (PAZ)	green / fine	-
Polyamide fabric on the back of the belt (PAR)	green / coarse	-
Polyamide fabric in the vacuum track	black	-
Suction hole diameter	<= 4 mm	-

Tooth shear strength (specific belt tooth load bearing)		
R.p.m. n [min-1]	F _{tspez} [N/cm] b=50 mm	F _{tspez} [N/cm] b=75 mm
0	36.8	55.4
20	36.2	54.6
40	35.7	53.8
60	35.2	53.1
80	34.8	52.4
100	34.4	51.8
200	32.5	49
300	31	46.8
400	29.8	44.9
500	28.7	43.3

AT10		Admissible tensile force of the belt F _{adm} / belt weight	
belt width	b [mm]	50	75
M	E / Steel tension member	2,500	4,500
	F _{Tadm} [N]		

AT10			Admissible tensile force of the belt F_{adm} / belt weight	
Specific elasticity (E- / Steel tension member)	C_{spez} [N]	1.25·10 ⁶	2.24·10 ⁶	
Stainless steel tension member	F_{Tadm} [N]	1,860	3,350	
Specific elasticity (stainless steel tens. m.)	C_{spez} [N]	1.25·10 ⁶	2.24·10 ⁶	
V	E / Steel tension member	F_{Tadm} [N]	1,250	2,250
	Stainless steel tension member	T_{adm} [N]	930	1,675
Belt weight (Standard)		[kg/m]	0.255	0.413

AT10		Flexibility (Minimum number of teeth / minimum diameter)											
		Steel tension member				E / Steel tension member				Stainless steel tension member			
		Standard	DL	DR	T	Standard	DL	DR	T	Standard	DL	DR	T
	Minimum number of teeth without contraflexure (z_{min})	38	-	-	-	-	-	-	-	38	-	-	-
	Minimum diameter of tensioning roller without contraflexure (d_{min} [mm])	120	-	-	-	-	-	-	-	120	-	-	-
	Minimum number of teeth with contraflexure (z_{min})	47	-	-	-	-	-	-	-	47	-	-	-
	Minimum diameter of tensioning roller with contraflexure (d_{min} [mm])	150	-	-	-	-	-	-	-	150	-	-	-