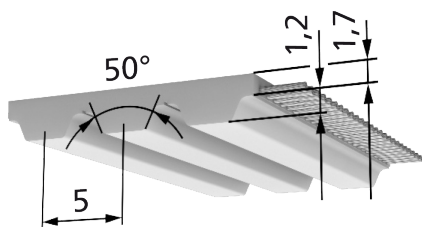


Standard



ATL5

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

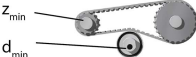
16	25	32	50
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Available length and versions	ATL5	Comment
Standard lengths	rolls of 50 or 100 m	-
Cut to lengths / lengths > 100 m	on request	-
In-between belt widths / other widths	on request	-
minimum length endless joined (b ≤ 100 mm)	not available	-
minimum length endless joined (b > 100 mm)	not available	-
Standard material	TPUST1	further materials on request
Steel tension member	not available	-
E tension member	Standard	-
Stainless steel cord	not available	-
PAZ	available	-
PAR	not available	-
PAZ-PAR	not available	-
DL / DL-PAZ	not available	-
DR / DR-PAZ	not available	-
T / T-PAZ	not available	-

Tooth shear strength (specific belt tooth load bearing)

R.p.m. n [min ⁻¹]	F _{tspez} [N/cm]	R.p.m. n [min ⁻¹]	F _{tspez} [N/cm]	R.p.m. n [min ⁻¹]	F _{tspez} [N/cm]	R.p.m. n [min ⁻¹]	F _{tspez} [N/cm]
0	42	800	31.964	2,000	26.05	5,000	19.284
20	41.521	900	31.271	2,200	25.377	5,500	18.55
40	41.069	1,000	30.633	2,400	24.755	6,000	17.877
60	40.641	1,100	30.04	2,600	24.177	6,500	17.255
80	40.234	1,200	29.488	2,800	23.637	7,000	16.677
100	39.846	1,300	28.971	3,000	23.13	7,500	16.138
200	38.142	1,400	28.484	3,200	22.654	8,000	15.631
300	36.733	1,500	28.025	3,400	22.203	8,500	15.154
400	35.531	1,600	27.59	3,600	21.776	9,000	14.704
500	34.483	1,700	27.177	3,800	21.37	9,500	14.277
600	33.554	1,800	26.784	4,000	20.983	10,000	13.871
700	32.721	1,900	26.409	4,500	20.089		

ATL5		Admissible tensile force of the belt F_{adm} / belt weight				
belt width		b [mm]	16	25	32	50
M	E / Steel tension member	F_{Tadm} [N]	1,300	2,000	2,800	4,200
	Specific elasticity (E- / Steel tension member)	C_{spez} [N]	$0.33 \cdot 10^6$	$0.50 \cdot 10^6$	$0.65 \cdot 10^6$	$1.05 \cdot 10^6$
	Stainless steel tension member	F_{Tadm} [N] F_{Tzul} [N]	-	-	-	-
	Specific elasticity (stainless steel tens. m.)	C_{spez} [N]	-	-	-	-
V	E / Steel tension member	F_{Tadm} [N]	-	-	-	-
	Stainless steel tension member	T_{adm} [N]	-	-	-	-
Belt weight (Standard)		[kg/m]	0.059	0.09	0.119	0.187
Belt weight (DL)		[kg/m]	-	-	-	-
Belt weight (DR)		[kg/m]	-	-	-	-
Belt weight (T)		[kg/m]	-	-	-	-

ATL5		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})	-	-	-	-	25	-	-	-	-	-	-	-
	Minimum diameter of tensioning roller without contraflexure (d_{min} [mm])	-	-	-	-	40	-	-	-	-	-	-	-
	Minimum number of teeth with contraflexure (z_{min})	-	-	-	-	25	-	-	-	-	-	-	-
	Minimum diameter of tensioning roller with contraflexure (d_{min} [mm])	-	-	-	-	60	-	-	-	-	-	-	-