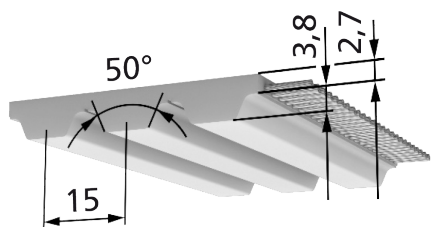


Standard



ATS15

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

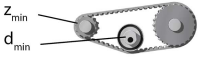

25	50	75	100	150
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Available length and versions	ATS15	Comment
Standard lengths	rolls of 50 or 100 m	-
Cut to lengths / lengths > 100 m	on request	-
In-between belt widths / other widths	on request	-
minimum length endless joined (b ≤ 100 mm)	not available	-
minimum length endless joined (b > 100 mm)	not available	-
Standard material	TPUST1	further materials on request
Steel tension member	Standard	-
E tension member	not available	-
Stainless steel cord	available	Minimum purchase amount on request
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	168	600	122.685	1,600	92.927	3,200	68.856
20	165.244	700	118.457	1,700	90.899	3,400	66.674
40	162.67	800	114.643	1,800	88.972	3,600	64.607
60	160.255	900	111.17	1,900	87.135	3,800	62.644
80	157.982	1,000	107.981	2,000	85.382	4,000	60.775
100	155.833	1,100	105.033	2,200	82.094	4,500	56.462
200	146.574	1,200	102.292	2,400	79.063	5,000	52.578
300	139.098	1,300	99.732	2,600	76.25	5,500	49.047
400	132.827	1,400	97.329	2,800	73.626	6,000	45.809
500	127.427	1,500	95.066	3,000	71.168	6,500	42.819

ATS15			Admissible tensile force of the belt F_{adm} / belt weight				
belt width		b [mm]	25	50	75	100	150
M	E / Steel tension member	F_{Tadm} [N]	6,765	13,530	20,295	27,080	40,590
	Specific elasticity (E- / Steel tension member)	C_{spez} [N]	$1.72 \cdot 10^6$	$3.43 \cdot 10^6$	$5.15 \cdot 10^6$	$6.86 \cdot 10^6$	$1.03 \cdot 10^7$
	Stainless steel tension member	F_{Tadm} [N] F_{Tzul} [N]	5,390	10,780	16,170	21,560	32,340
	Specific elasticity (stainless steel tens. m.)	C_{spez} [N]	$1.72 \cdot 10^6$	$3.43 \cdot 10^6$	$5.15 \cdot 10^6$	$6.86 \cdot 10^6$	$1.03 \cdot 10^7$
V	E / Steel tension member	F_{Tadm} [N]	-	-	-	-	-
	Stainless steel tension member	T_{adm} [N]	-	-	-	-	-
Belt weight (Standard)		[kg/m]	0.25	0.5	0.75	1	1.5
Belt weight (DL)		[kg/m]	-	-	-	-	-
Belt weight (DR)		[kg/m]	-	-	-	-	-
Belt weight (T)		[kg/m]	-	-	-	-	-

ATS15		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	-	-	-	-	-	-	-	30	-	-	-
	Minimum diameter of tensioning roller without contraflexure (d_{min} [mm])	120	-	-	-	-	-	-	-	180	-	-	-
	Minimum number of teeth with contraflexure (z_{min})	40	-	-	-	-	-	-	-	60	-	-	-
	Minimum diameter of tensioning roller with contraflexure (d_{min} [mm])	250	-	-	-	-	-	-	-	300	-	-	-