

Standard



F1

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


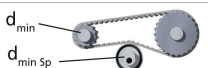
8	10	15	20
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Available length and versions	F1	Comment
Standard lengths	roll of 100 m	-
Cuts / Length > 100 m (Length graduation from groove to groove (in 10 mm stages))	on request	-
In-between belt widths / other widths	-	-
Minimum length joined	-	-
Standard material	TPUST1	further materials on request
Steel tension member	Standard	-
E tension member	available	Minimum purchase amount on request
Stainless steel cord	available	Minimum purchase amount on request
PAZ (groove side)	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]
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F1		Admissible tensile force of the belt F_{adm} / belt weight				
belt width		b [mm]	8	10	15	20
M	E / Steel tension member	F_{Tadm} [N]	300	360	510	720
	Specific elasticity (E- / Steel tension member)	C_{spez} [N]	$7.50 \cdot 10^4$	$9.0 \cdot 10^4$	$12.8 \cdot 10^4$	$18.0 \cdot 10^4$
	Stainless steel tension member	F_{Tadm} [N] F_{Tzul} [N]	230	275	390	550
	Specific elasticity (stainless steel tens. m.)	C_{spez} [N]	$7.50 \cdot 10^4$	$9.0 \cdot 10^4$	$12.8 \cdot 10^4$	$18.0 \cdot 10^4$
V	E / Steel tension member	F_{Tadm} [N]	-	-	-	-
	Stainless steel tension member	T_{adm} [N]	-	-	-	-
Belt weight (Standard)		[kg/m]	0.012	0.015	0.023	0.03
Belt weight (DL)		[kg/m]	-	-	-	-
Belt weight (DR)		[kg/m]	-	-	-	-
Belt weight (T)		[kg/m]	-	-	-	-

F1		Flexibility (Minimum number of teeth / minimum diameter)		
		Steel tension member	E / Steel tension member	Stainless steel tension member
		Standard	Standard	Standard
	Minimum diameter of tensioning roller without contraflexure (d_{min} [mm])	16	12	30
	d_{min} minimum diameter with contraflexure (d_{min} [mm])	30	18	60
	Minimum diameter of tensioning roller with contraflexure (d_{min} [mm])	30	18	60