

Standard



F2.2

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


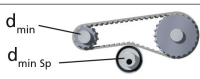
20	25	30	32	40	50	75	100
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Available length and versions	F2.2	Comment
Standard lengths	rolls of 50 m and 100 m	-
Cuts / Length > 100 m (Length graduation from groove to groove in 10 mm stages)	on request	-
In-between belt widths / other widths	on request	-
Minimum length joined	880	-
Standard material	TPOST1	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)	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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F2.2			Admissible tensile force of the belt F_{adm} / belt weight							
belt width		b [mm]	20	25	30	32	40	50	75	100
M	E / Steel tension member	F_{Tadm} [N]	2,500	3,500	4,500	5,000	5,500	7,000	10,000	14,000
	Specific elasticity (E- / Steel tension member)	C_{spez} [N]	$6.25 \cdot 10^5$	$8.75 \cdot 10^5$	$1.13 \cdot 10^6$	$1.25 \cdot 10^6$	$1.38 \cdot 10^6$	$1.75 \cdot 10^6$	$2.50 \cdot 10^6$	$3.50 \cdot 10^6$
	Stainless steel tension member	F_{Tadm} [N] / F_{Tzul} [N]	1,875	2,625	3,375	3,750	4,125	5,250	7,500	10,500
	Specific elasticity (stainless steel tens. m.)	C_{spez} [N]	$6.25 \cdot 10^5$	$8.75 \cdot 10^5$	$1.13 \cdot 10^6$	$1.25 \cdot 10^6$	$1.38 \cdot 10^6$	$1.75 \cdot 10^6$	$2.50 \cdot 10^6$	$3.50 \cdot 10^6$
V	E / Steel tension member	F_{Tadm} [N]	1,250	1,750	2,250	2,500	2,750	3,500	5,000	7,000
	Stainless steel tension member	T_{adm} [N]	940	1,315	1,685	1,875	2,060	2,625	3,750	5,250
Belt weight (Standard)		[kg/m]	0.071	0.092	0.12	0.13	0.146	0.213	0.309	0.366
Belt weight (DL)		[kg/m]	-	-	-	-	-	-	-	-
Belt weight (DR)		[kg/m]	-	-	-	-	-	-	-	-
Belt weight (T)		[kg/m]	-	-	-	-	-	-	-	-

F2.2		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])	60	40	80
	d_{min} minimum diameter with contraflexure (d_{min} [mm])	120	70	130
	Minimum diameter of tensioning roller with contraflexure (d_{min} [mm])	120	70	130