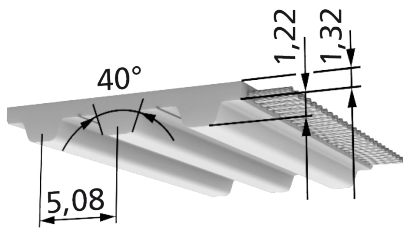


## Standard



T1/5"

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

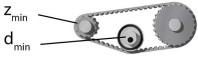

6.35	7.94	9.53	12.7	19.1	25.4
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Available length and versions	T1/5"	Comment
Standard lengths	rolls of 50 or 100 m	-
Cut to lengths / lengths > 100 m	on request	-
In-between belt widths / other widths	on request	-
minimum length endless joined (b≤100 mm)	880 mm	bmin=7.94 mm
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	not available	-
PAZ	available	-
PAR	available	-
PAZ-PAR	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 <sub>tspez</sub> [N/cm]	R.p.m. n [min-1]	F <sub>tspez</sub> [N/cm]	R.p.m. n [min-1]	F <sub>tspez</sub> [N/cm]	R.p.m. n [min-1]	F <sub>tspez</sub> [N/cm]
0	24.4	800	16.83	2,000	13.91	5,000	10.86
20	23.8	900	16.47	2,200	13.6	5,500	10.54
40	23.2	1,000	16.14	2,400	13.31	6,000	10.24
60	22.8	1,100	15.84	2,600	13.05	6,500	9.97
80	22.4	1,200	15.57	2,800	12.8	7,000	9.72
100	22	1,300	15.31	3,000	12.57	7,500	9.49
200	20.6	1,400	15.07	3,200	12.36	8,000	9.27
300	19.63	1,500	14.85	3,400	12.16	8,500	9.06
400	18.86	1,600	14.64	3,600	11.96	9,000	8.86
500	18.23	1,700	14.45	3,800	11.78	9,500	8.68
600	17.7	1,800	14.26	4,000	11.61	10,000	8.51
700	17.24	1,900	14.08	4,500	11.21		

T1/5"			Admissible tensile force of the belt $F_{adm}$ / belt weight					
belt width		b [mm]	<b>6.35</b>	<b>7.94</b>	<b>9.53</b>	<b>12.7</b>	<b>19.1</b>	<b>25.4</b>
M	E / Steel tension member	$F_{Tadm}$ [N]	210	240	330	390	660	840
	Specific elasticity (E- / Steel tension member)	$C_{spez}$ [N]	$5.25 \cdot 10^4$	$6.0 \cdot 10^4$	$8.25 \cdot 10^4$	$9.75 \cdot 10^4$	$16.5 \cdot 10^4$	$21.0 \cdot 10^4$
	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]	-	120	165	195	330	420
	Stainless steel tension member	$T_{adm}$ [N]	-	-	-	-	-	-
Belt weight (Standard)		[kg/m]	0.015	0.019	0.023	0.03	0.046	0.061
Belt weight (DL)		[kg/m]	-	-	-	-	-	-
Belt weight (DR)		[kg/m]	-	-	-	-	-	-
Belt weight (T)		[kg/m]	-	-	-	-	-	-

T1/5"		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 ( $z_{min}$ )	10	-	-	-	-	-	-	-	-	-	-	-
	Minimum diameter of tensioning roller without contraflexure ( $d_{min}$ [mm])	30	-	-	-	-	-	-	-	-	-	-	-
	Minimum number of teeth with contraflexure ( $z_{min}$ )	15	-	-	-	-	-	-	-	-	-	-	
	Minimum diameter of tensioning roller with contraflexure ( $d_{min}$ [mm])	30	-	-	-	-	-	-	-	-	-	-	