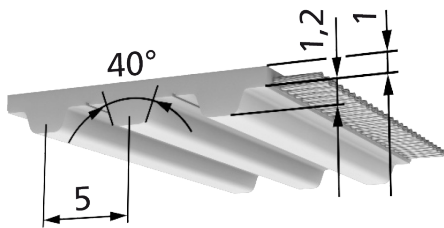
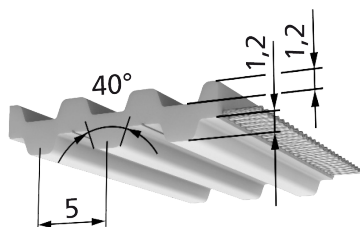


## Standard



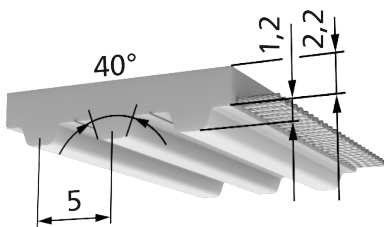
T5

## Double-sided



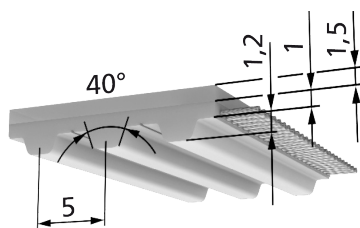
T5-DL

## Reinforced back of the belt



T5-DR

## Version T



T5-T

Available length and versions	T5	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	b <sub>min</sub> =10 mm, DL=1,000 mm
minimum length endless joined (b > 100 mm)	not available	-
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	not available	-
PAR	not available	-
PAZ-PAR	not available	-
DL / DL-PAZ	available	b <sub>min</sub> =10 mm; b <sub>max</sub> =100 mm; minimum purchase amount on request
DR / DR-PAZ	available	b <sub>min</sub> =10 mm; b <sub>max</sub> =100 mm; minimum purchase amount on request
T / T-PAZ	available	b <sub>min</sub> =10 mm; b <sub>max</sub> =100 mm; minimum purchase amount on request

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

6	10	16	25	32	50	75	100
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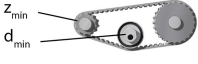

## Tooth shear strength (specific belt tooth load bearing)

R.p.m. n [min <sup>-1</sup> ]	F <sub>tspez</sub> [N/cm]	R.p.m. n [min <sup>-1</sup> ]	F <sub>tspez</sub> [N/cm]	R.p.m. n [min <sup>-1</sup> ]	F <sub>tspez</sub> [N/cm]	R.p.m. n [min <sup>-1</sup> ]	F <sub>tspez</sub> [N/cm]
0	24	800	16.56	2,000	13.69	5,000	10.68

**Tooth shear strength (specific belt tooth load bearing)**

20	23.4	900	16.2	2,200	13.38	5,500	10.36
40	22.9	1,000	15.88	2,400	13.1	6,000	10.07
60	22.4	1,100	15.58	2,600	12.84	6,500	9.81
80	22	1,200	15.31	2,800	12.59	7,000	9.56
100	21.7	1,300	15.06	3,000	12.37	7,500	9.33
200	20.3	1,400	14.83	3,200	12.16	8,000	9.11
300	19.3	1,500	14.61	3,400	11.96	8,500	8.91
400	18.55	1,600	14.4	3,600	11.77	9,000	8.72
500	17.93	1,700	14.21	3,800	11.59	9,500	8.54
600	17.41	1,800	14.03	4,000	11.42	10,000	8.37
700	16.96	1,900	13.85	4,500	11.03		

T5			Admissible tensile force of the belt $F_{adm}$ / belt weight							
belt width		b [mm]	6	10	16	25	32	50	75	100
M	E / Steel tension member	$F_{Tadm}$ [N]	180	300	540	840	1,080	1,680	2,520	3,360
	Specific elasticity (E- / Steel tension member)	$C_{spez}$ [N]	$4.5 \cdot 10^4$	$7.5 \cdot 10^4$	$13.5 \cdot 10^4$	$21.0 \cdot 10^4$	$27.0 \cdot 10^4$	$42.0 \cdot 10^4$	$63.0 \cdot 10^4$	$84.0 \cdot 10^4$
	Stainless steel tension member	$F_{Tadm}$ [N] / $F_{Tzul}$ [N]	140	230	415	645	830	1,290	1,935	2,580
	Specific elasticity (stainless steel tens. m.)	$C_{spez}$ [N]	$4.5 \cdot 10^4$	$7.5 \cdot 10^4$	$13.5 \cdot 10^4$	$21.0 \cdot 10^4$	$27.0 \cdot 10^4$	$42.0 \cdot 10^4$	$63.0 \cdot 10^4$	$84.0 \cdot 10^4$
V	E / Steel tension member	$F_{Tadm}$ [N]	-	150	270	420	540	840	1,260	1,680
	Stainless steel tension member	$T_{adm}$ [N]	-	115	210	325	415	645	970	1,290
Belt weight (Standard)		[kg/m]	0.013	0.021	0.034	0.053	0.068	0.106	0.16	0.233
Belt weight (DL)		[kg/m]	-	0.03	0.044	0.07	0.09	0.139	0.208	0.28
Belt weight (DR)		[kg/m]	-	0.039	0.063	0.098	0.126	0.196	0.294	0.378
Belt weight (T)		[kg/m]	-	0.039	0.063	0.098	0.126	0.196	0.294	0.392

T5		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	15	20	20	10	10	-	-	18	18	20	20
	Minimum diameter of tensioning roller without contraflexure ( $d_{min}$ [mm])	30	30	30	30	18	18	-	-	30	30	30	30
	Minimum number of teeth with contraflexure ( $z_{min}$ )	15	15	20	20	12	12	-	-	36	36	36	36
	Minimum diameter of tensioning roller with contraflexure ( $d_{min}$ [mm])	30	30	60	60	18	18	-	-	60	60	60	60