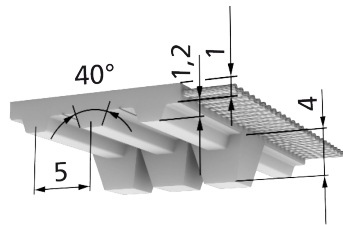
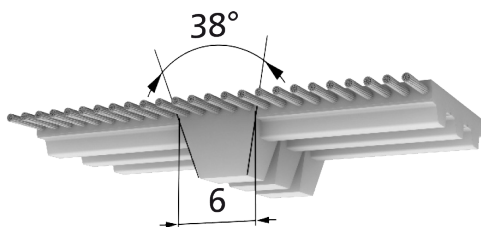


Standard



TK5K6

Standard



TK5K6

Available length and versions	TK5K6	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)	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	not available	-
Stainless steel cord	available	Minimum purchase amount on request
PAZ	available	-
PAR	available	-
PAZ-PAR	available	-
DL / DL-PAZ	not available	-
DR / DR-PAZ	not available	-
T / T-PAZ	not available	-

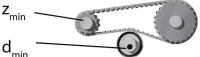
Belt widths b [mm] (In-between belt widths on request)

25	32	50
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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	24	800	16.56	2,000	13.69	5,000	10.68
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		

TK5K6			Admissible tensile force of the belt F_{adm} / belt weight		
belt width		b [mm]	25	32	50
M	E / Steel tension member	F_{Tadm} [N]	840	1,080	1,680
	Specific elasticity (E- / Steel tension member)	C_{spez} [N]	$21.0 \cdot 10^4$	$27.0 \cdot 10^4$	$42.0 \cdot 10^4$
	Stainless steel tension member	F_{Tadm} [N] / F_{Tzul} [N]	640	820	1,280
	Specific elasticity (stainless steel tens. m.)	C_{spez} [N]	$21.0 \cdot 10^4$	$27.0 \cdot 10^4$	$42.0 \cdot 10^4$
V	E / Steel tension member	F_{Tadm} [N]	420	540	840
	Stainless steel tension member	T_{adm} [N]	320	410	640
Belt weight (Standard)		[kg/m]	0.067	0.082	0.119
Belt weight (DL)		[kg/m]	-	-	-
Belt weight (DR)		[kg/m]	-	-	-
Belt weight (T)		[kg/m]	-	-	-

TK5K6		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	-	-	-	-	-	-	-	25	-	-	-
	Minimum diameter of tensioning roller without contraflexure (d_{min} [mm])	60	-	-	-	-	-	-	-	60	-	-	-
	Minimum number of teeth with contraflexure (z_{min})	25	-	-	-	-	-	-	-	36	-	-	-
	Minimum diameter of tensioning roller with contraflexure (d_{min} [mm])	80	-	-	-	-	-	-	-	80	-	-	-