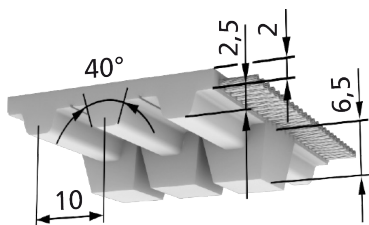
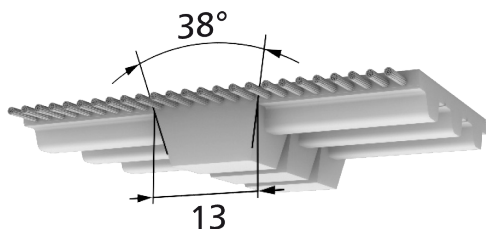


Standard



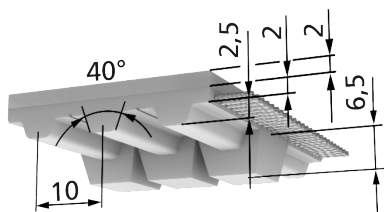
TK10K13

Standard



TK10K13

Version T



TK10K13-T

Available length and versions	TK10K13	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 ($b \geq 100$ 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	available	$b_{\max} = 100$ mm; minimum purchase amount on request


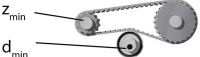
Belt widths b [mm] (In-between belt widths on request)

32	50	75	100
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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	50.5	800	32.4	2,000	25.4	5,000	18.06
20	49	900	31.5	2,200	24.6	5,500	17.28
40	47.7	1,000	30.7	2,400	23.9	6,000	16.58
60	46.6	1,100	30	2,600	23.3	6,500	15.93
80	45.7	1,200	29.3	2,800	22.7	7,000	15.33
100	44.8	1,300	28.7	3,000	22.2	7,500	14.76
200	41.4	1,400	28.2	3,200	21.7	8,000	14.24
300	39.1	1,500	27.6	3,400	21.2	8,500	13.74
400	37.2	1,600	27.1	3,600	20.7	9,000	13.28
500	35.7	1,700	26.7	3,800	20.3	9,500	12.84
600	34.4	1,800	26.2	4,000	19.86	10,000	12.42
700	33.3	1,900	25.8	4,500	18.91		

TK10K13		Admissible tensile force of the belt F_{adm} / belt weight				
belt width		b [mm]	32	50	75	100
M	E / Steel tension member	F_{Tadm} [N]	2,600	4,200	6,400	8,600
	Specific elasticity (E- / Steel tension member)	C_{spez} [N]	$7.0 \cdot 10^5$	$11.0 \cdot 10^5$	$16.5 \cdot 10^5$	$22.0 \cdot 10^5$
	Stainless steel tension member	F_{Tadm} [N] F_{Tzul} [N]	2,080	3,360	4,160	6,720
	Specific elasticity (stainless steel tens. m.)	C_{spez} [N]	$7.0 \cdot 10^5$	$11.0 \cdot 10^5$	$16.5 \cdot 10^5$	$22.0 \cdot 10^5$
V	E / Steel tension member	F_{Tadm} [N]	1,300	2,100	3,200	4,300
	Stainless steel tension member	T_{adm} [N]	1,040	1,680	2,080	3,360
Belt weight (Standard)		[kg/m]	0.282	0.407	0.569	0.735
Belt weight (DL)		[kg/m]	-	-	-	-
Belt weight (DR)		[kg/m]	-	-	-	-
Belt weight (T)		[kg/m]	-	-	-	-

TK10K13		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	-	-	-	-	25	-	-	25
	Minimum diameter of tensioning roller without contraflexure (d_{min} [mm])	80	-	-	80	-	-	-	-	80	-	-	80
	Minimum number of teeth with contraflexure (z_{min})	25	-	-	25	-	-	-	-	40	-	-	40
	Minimum diameter of tensioning roller with contraflexure (d_{min} [mm])	80	-	-	80	-	-	-	-	130	-	-	130