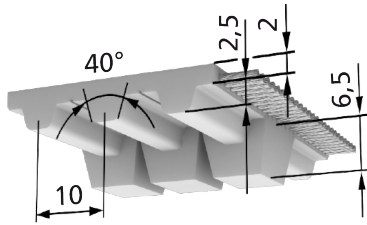
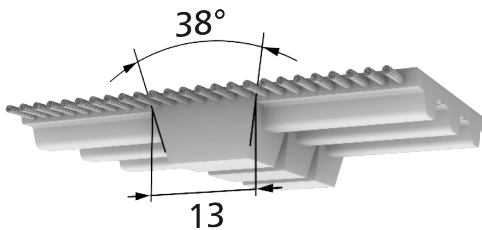


Standard

TK10K13

Standard

TK10K13

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

50

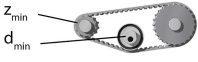
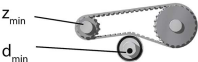
Available length and versions	TK10K13	Comment
Standard lengths	see table	without minimum purchase amount
Sleeve width	b=50 mm	-
Minimum purchase	-	-
Any number of teeth available from	200 mm to 22,000 mm	in case of intermediate lengths minimum purchase amount on request
StandardPlus version	200 mm to 22,000 mm	-
Bigger lengths	on request	Minimum purchase amount on request
Standard material (BRECOFLEX to 700 mm)	-	-
Standard material (BRECOFLEX from 720 mm)	TPUST1	further materials on request
Steel tension member	Standard	-
E tension member	available	Minimum purchase amount on request
Stainless steel tension member	available	Minimum purchase amount on request
PAZ	available	without minimum purchase amount at standard lengths
DL / DL-PAZ (b _{max} =100 mm)	not available	-
DR / DR-PAZ (b _{max} =100 mm)	not available	-
T / T-PAZ (b _{max} =100 mm)	not available	-

Standard lengths [mm] / number of teeth

Length [mm]	number of teeth	Length [mm]	number of teeth	Length [mm]	number of teeth
1,500	150	2,650	265	5,300	530
1,560	156	3,000	300	5,600	560
1,610	161	3,100	310	6,000	600
1,750	175	3,150	315	6,300	630
1,780	178	3,350	335	6,700	670
1,880	188	3,750	375	7,100	710
1,960	196	4,000	400	7,500	750
2,250	225	4,250	425	8,000	800
2,360	236	4,500	450	9,000	900
2,500	250	4,750	475		
2,800	280	5,000	500		

Tooth shear strength (specific belt tooth load bearing)							
R.p.m. n [min-1]	F _{Uspez} [N/cm]	M _{spez} [Ncm/cm]	P _{spez} [W/cm]	R.p.m. n [min-1]	F _{Uspez} [N/cm]	M _{spez} [Ncm/cm]	P _{spez} [W/cm]
0	50.5	8.04	0	2,000	25.4	4.04	8.46
20	49	7.8	0.163	2,200	24.6	3.92	9.03
40	47.7	7.6	0.318	2,400	23.9	3.81	9.58
60	46.6	7.42	0.466	2,600	23.3	3.71	10.1
80	45.7	7.27	0.609	2,800	22.7	3.62	10.6
100	44.8	7.13	0.746	3,000	22.2	3.53	11.08
200	41.4	6.6	1.381	3,200	21.7	3.45	11.55
300	39.1	6.22	1.953	3,400	21.2	3.36	11.99
400	37.2	5.92	2.48	3,600	20.7	3.3	12.42
500	35.7	5.68	2.98	3,800	20.3	3.23	12.84
600	34.4	5.48	3.44	4,000	19.86	3.16	13.24
700	33.3	5.31	3.89	4,500	18.91	3.01	14.18
800	32.4	5.15	4.32	5,000	18.06	2.87	15.05
900	31.5	5.01	4.73	5,500	17.28	2.75	15.84
1,000	30.7	4.89	5.12	6,000	16.58	2.64	16.58
1,100	30	4.77	5.5	6,500	15.93	2.54	17.26
1,200	29.3	4.67	5.87	7,000	15.33	2.44	17.88
1,300	28.7	4.57	6.22	7,500	14.76	2.35	18.46
1,400	28.2	4.48	6.57	8,000	14.24	2.27	18.99
1,500	27.6	4.4	6.91	8,500	13.74	2.18	19.47
1,600	27.1	4.32	7.23	9,000	13.28	2.11	19.92
1,700	26.7	4.24	7.55	9,500	12.84	2.04	20.3
1,800	26.2	4.17	7.86	10,000	12.42	1.976	20.7
1,900	25.8	4.1	8.16				

TK10K13			Admissible tensile force of the belt F _{adm} / belt weight
belt width	b [mm]		50
E / Steel tension member	F _{zul}		3,800
Stainless steel tension member	F _{zul}		3,040
Belt width	Standard	[kg/m]	0.283
	DL	[kg/m]	-
	DR	[kg/m]	-
	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	-	-	-
	Minimum diameter of tensioning roller without contraflexure (d _{min} [mm])	80	-	-	-	80	-	-	-	80	-	-	-
	Minimum number of teeth with contraflexure (z _{min})	25	-	-	-	25	-	-	-	40	-	-	-
	Minimum diameter of tensioning roller with contraflexure (d _{min} [mm])	120	-	-	-	120	-	-	-	130	-	-	-