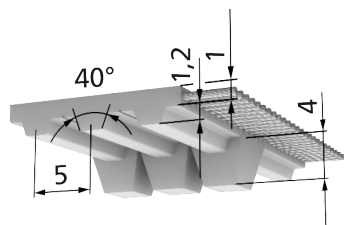
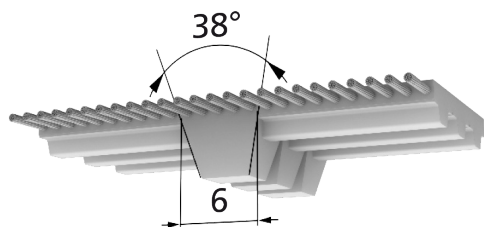


Standard



TK5K6

Standard



TK5K6

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

50

100

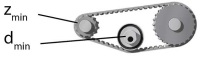

Available length and versions	TK5K6	Comment
Standard lengths	see table	without minimum purchase amount
Sleeve width	b=100 mm	-
Minimum purchase	-	-
Any number of teeth available from	1,075 mm from 15,000 mm	b=50 mm: from 720 mm, at intermediate minimum purchase amount on request
StandardPlus version	1,075 mm from 15,000 mm	b=50 mm: from 720 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	from 1.075 mm 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
1,075	215	2,240	448	4,500	900
1,100	220	2,360	472	4,750	950
1,215	243	2,500	500	5,000	1,000
1,380	276	2,650	530	5,300	1,060
1,400	280	2,800	560	5,600	1,120
1,500	300	3,000	600	6,000	1,200
1,600	320	3,150	630	6,300	1,260
1,700	340	3,350	670	6,700	1,340
1,800	360	3,550	710	7,100	1,420
1,900	380	3,750	750	7,500	1,500
2,000	400	4,000	800		
2,120	424	4,250	850		

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	24	1.91	0	2,000	13.69	1.089	2.28
20	23.4	1.861	0.039	2,200	13.38	1.065	2.45
40	22.9	1.819	0.076	2,400	13.1	1.042	2.62
60	22.4	1.783	0.112	2,600	12.84	1.021	2.78
80	22	1.751	0.147	2,800	12.59	1.002	2.94
100	21.7	1.723	0.18	3,000	12.37	0.984	3.09
200	20.3	1.614	0.338	3,200	12.16	0.967	3.24
300	19.3	1.536	0.483	3,400	11.96	0.951	3.39
400	18.55	1.476	0.618	3,600	11.77	0.936	3.53
500	17.93	1.427	0.747	3,800	11.59	0.922	3.67
600	17.41	1.385	0.87	4,000	11.42	0.909	3.81
700	16.96	1.349	0.989	4,500	11.03	0.878	4.14
800	16.56	1.318	1.104	5,000	10.68	0.85	4.45
900	16.2	1.289	1.215	5,500	10.36	0.825	4.75
1,000	15.88	1.263	1.323	6,000	10.07	0.802	5.04
1,100	15.58	1.24	1.428	6,500	9.81	0.78	5.31
1,200	15.31	1.218	1.531	7,000	9.56	0.761	5.58
1,300	15.06	1.198	1.632	7,500	9.33	0.742	5.83
1,400	14.83	1.18	1.73	8,000	9.11	0.725	6.08
1,500	14.61	1.162	1.826	8,500	8.91	0.709	6.31
1,600	14.4	1.146	1.92	9,000	8.72	0.694	6.54
1,700	14.21	1.131	2.01	9,500	8.54	0.679	6.76
1,800	14.03	1.116	2.1	10,000	8.37	0.666	6.97
1,900	13.85	1.102	2.19				

TK5K6			Admissible tensile force of the belt F _{adm} / belt weight	
belt width	b [mm]		50	100
E / Steel tension member	F _{zul}		1,920	3,930
Stainless steel tension member	F _{zul}		1,460	2,990
Belt width	Standard	[kg/m]	0.123	0.232
	DL	[kg/m]	-	-
	DR	[kg/m]	-	-
	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	-	-	-	25	-	-	-
	Minimum diameter of tensioning roller without contraflexure (d _{min} [mm])	40	-	-	-	40	-	-	-	40	-	-	-
	Minimum number of teeth with contraflexure (z _{min})	25	-	-	-	25	-	-	-	36	-	-	-
	Minimum diameter of tensioning roller with contraflexure (d _{min} [mm])	60	-	-	-	60	-	-	-	60	-	-	-