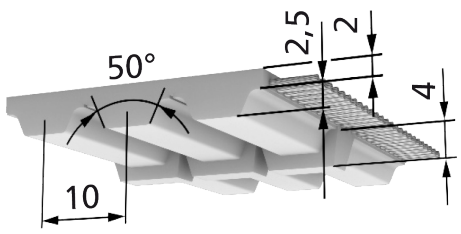
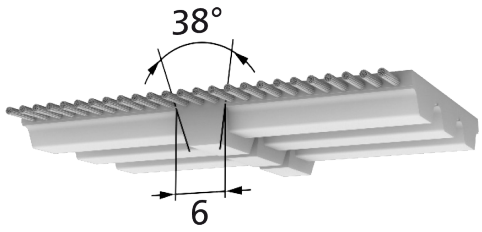
Standard



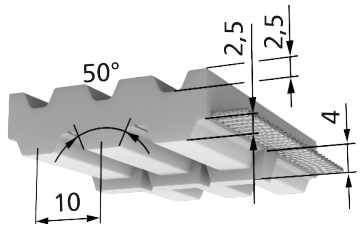
ATK10K6

Standard



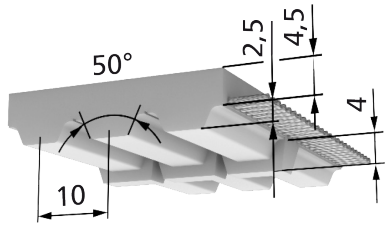
ATK10K6

Double-sided



ATK10K6-DL

Reinforced back of the belt



ATK10K6-DR

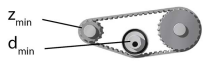
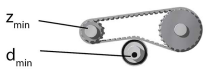
Belt widths b [mm] (In-between belt widths on request)	
50	100

Available length and versions	ATK10K6	Comment
Standard lengths	see table	without minimum purchase quantity
Sleeve width	b=100 mm	-
Minimum purchase quantity	-	-
Any number of teeth available from	1,080 mm to 22,000 mm	b=50 mm: from 720 mm, at intermediate minimum purchase amount on request
StandardPlus version	1,080 mm to 22,000 mm	b=50 mm: from 720 mm
Bigger lengths	on request	Minimum purchase quantity 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 quantity on request
Stainless steel tension member	available	Minimum purchase quantity on request
PAZ	from 1,500 mm available	without minimum purchase quantity at standard lengths
DL / DL-PAZ (b_{max}=100 mm)	available	Minimum purchase quantity on request
DR / DR-PAZ (b_{max}=100 mm)	available	Minimum purchase quantity on request
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	4,750	475
1,600	160	2,800	280	5,000	500
1,700	170	3,000	300	5,300	530
1,800	180	3,150	315	5,600	560
1,900	190	3,350	335	6,000	600
2,000	200	3,550	355	6,300	630
2,120	212	3,750	375	6,700	670
2,240	224	4,000	400	7,100	710
2,360	236	4,250	425	7,500	750
2,500	250	4,500	450	8,000	800

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	87.5	13.933	0	2,000	48.006	7.644	16.009
20	86.216	13.729	0.288	2,200	46.413	7.391	17.025
40	85.013	13.537	0.567	2,400	44.943	7.156	17.985
60	83.881	13.357	0.839	2,600	43.578	6.939	18.892
80	82.814	13.187	1.105	2,800	42.305	6.736	19.751
100	81.803	13.026	1.364	3,000	41.112	6.546	20.565
200	77.426	12.329	2.582	3,200	39.989	6.368	21.337
300	73.87	11.763	3.695	3,400	38.929	6.199	22.069
400	70.877	11.286	4.727	3,600	37.925	6.039	22.765
500	68.291	10.874	5.693	3,800	36.972	5.887	23.426
600	66.016	10.512	6.604	4,000	36.064	5.743	24.053
700	63.984	10.189	7.468	4,500	33.967	5.409	25.486
800	62.148	9.896	8.29	5,000	32.079	5.108	26.744
900	60.475	9.63	9.075	5,500	30.362	4.835	27.844
1,000	58.937	9.385	9.827	6,000	28.787	4.584	28.8
1,100	57.514	9.158	10.549	6,500	27.333	4.352	29.623
1,200	56.19	8.947	11.243	7,000	25.982	4.137	30.326
1,300	54.953	8.75	11.912	7,500	24.721	3.936	30.915
1,400	53.791	8.565	12.557	8,000	23.538	3.748	31.398
1,500	52.696	8.391	13.18	8,500	22.425	3.571	31.783
1,600	51.661	8.226	13.782	9,000	21.374	3.403	32.074
1,700	50.679	8.07	14.365	9,500	20.377	3.245	32.278
1,800	49.746	7.921	14.93	10,000	19.43	3.094	32.398
1,900	48.856	7.78	15.478				

ATK10K6			Admissible tensile force of the belt F_{adm} / belt weight	
belt width		b [mm]	**50**	**100**
E / Steel tension member		F_{zul}	7,750	16,000
Stainless steel cord		F_{zul}	5,600	11,200
Belt width	Standard	[kg/m]	0.29	0.581
	DL	[kg/m]	0.386	0.766
	DR	[kg/m]	0.445	0.886
	T	[kg/m]	-	-

ATK10K6		Flexibility (Minimum number of teeth / minimum diameter)											
		Steel tension member				E / Steel tension member				Stainless steel cord			
		Standard	DL	DR	T	Standard	DL	DR	T	Standard	DL	DR	T
	Minimum number of teeth without contraflexure (z_{min})	20	25	25	-	18	20	-	-	25	40	25	-
	Minimum diameter of tensioning roller without contraflexure (d_{min} [mm])	80	80	80	-	60	80	-	-	80	120	80	-
	Minimum number of teeth with contraflexure (z_{min})	25	25	25	-	20	22	-	-	40	40	40	-
	Minimum diameter of tensioning roller with contraflexure (d_{min} [mm])	120	120	120	-	80	100	-	-	120	120	120	-