

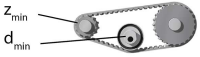

Available length and versions	AT5	Comment
Standard lengths	see table	without minimum purchase amount
Sleeve width	b=100 mm	-
Minimum purchase	1 sleeve	to 660 mm
Any number of teeth available from	20 mm to 15,000 mm	in case of intermediate lengths minimum purchase amount on request
StandardPlus version	20 mm to 15,000 mm	-
Bigger lengths	on request	Minimum purchase amount on request
Standard material (BRECOFLEX to 700 mm)	TPUST3	-
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<sub>max</sub>=100 mm)	from 900 mm	Minimum purchase amount on request (coating only possible on inner side)
DR / DR-PAZ (b<sub>max</sub>=100 mm)	from 900 mm	Minimum purchase amount on request
T / T-PAZ (b<sub>max</sub>=100 mm)	available	Minimum purchase amount on request

Standard lengths [mm] / number of teeth					
Length [mm]	number of teeth	Length [mm]	number of teeth	Length [mm]	number of teeth
225	45	1,005	201	3,000	600
255	51	1,020	204	3,150	630
280	56	1,075	215	3,350	670
305	61	1,100	220	3,550	710
340	68	1,215	243	3,750	750
390	78	1,380	276	4,000	800
420	84	1,400	280	4,250	850
455	91	1,500	300	4,500	900
500	100	1,600	320	4,750	950
545	109	1,700	340	5,000	1,000
610	122	1,800	360	5,300	1,060
660	132	1,900	380	5,600	1,120
720	144	2,000	400	6,000	1,200
780	156	2,120	424	6,300	1,260
840	168	2,240	448	6,700	1,340
855	171	2,360	472	7,100	1,420
875	175	2,500	500	7,500	1,500
960	192	2,650	530		
990	198	2,800	560		

Belt widths b [mm] (In-between belt widths on request)						
10	16	25	32	50	75	100

Tooth shear strength (specific belt tooth load bearing)							
R.p.m. n [min-1]	F <sub>Uspez</sub> [N/cm]	M <sub>spez</sub> [Ncm/cm]	P <sub>spez</sub> [W/cm]	R.p.m. n [min-1]	F <sub>Uspez</sub> [N/cm]	M <sub>spez</sub> [Ncm/cm]	P <sub>spez</sub> [W/cm]
0	42	3.344	0	2,000	26.05	2.074	4.344
20	41.521	3.306	0.069	2,200	25.377	2.02	4.654
40	41.069	3.27	0.137	2,400	24.755	1.971	4.953
60	40.641	3.236	0.203	2,600	24.177	1.925	5.241
80	40.234	3.203	0.268	2,800	23.637	1.882	5.518
100	39.846	3.172	0.332	3,000	23.13	1.842	5.785
200	38.142	3.037	0.636	3,200	22.654	1.804	6.044
300	36.733	2.925	0.919	3,400	22.203	1.768	6.294
400	35.531	2.829	1.185	3,600	21.776	1.734	6.536
500	34.483	2.745	1.437	3,800	21.37	1.701	6.77
600	33.554	2.672	1.678	4,000	20.983	1.671	6.997
700	32.721	2.605	1.91	4,500	20.089	1.599	7.537
800	31.964	2.545	2.132	5,000	19.284	1.535	8.038
900	31.271	2.49	2.346	5,500	18.55	1.477	8.506
1,000	30.633	2.439	2.554	6,000	17.877	1.423	8.942
1,100	30.04	2.392	2.755	6,500	17.255	1.374	9.351
1,200	29.488	2.348	2.95	7,000	16.677	1.328	9.733
1,300	28.971	2.307	3.14	7,500	16.138	1.285	10.09
1,400	28.484	2.268	3.325	8,000	15.631	1.245	10.425
1,500	28.025	2.231	3.505	8,500	15.154	1.207	10.739
1,600	27.59	2.197	3.68	9,000	14.704	1.171	11.033
1,700	27.177	2.164	3.852	9,500	14.277	1.137	11.307
1,800	26.784	2.132	4.019	10,000	13.871	1.104	11.564
1,900	26.409	2.103	4.183				

AT5		Admissible tensile force of the belt F <sub>adm</sub> / belt weight							
belt width	b [mm]	10	16	25	32	50	75	100	
E / Steel tension member	F <sub>zul</sub>	700	1,260	2,030	2,660	4,200	6,370	8,610	
Stainless steel tension member	F <sub>zul</sub>	455	820	1,320	1,730	2,730	4,140	5,597	
Belt width	Standard	[kg/m]	0.031	0.052	0.085	0.105	0.164	0.241	0.328
	DL	[kg/m]	0.04	0.064	0.101	0.13	0.204	0.307	0.41
	DR	[kg/m]	0.045	0.073	0.115	0.148	0.231	0.348	0.464
	T	[kg/m]	0.053	0.084	0.123	0.169	0.264	0.346	0.528

AT5		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 <sub>min</sub> )	15	25	25	25	12	20	25	25	22	-	-	25
	Minimum diameter of tensioning roller without contraflexure (d <sub>min</sub> [mm])	25	60	60	60	18	20	60	60	35	-	-	60
	Minimum number of teeth with contraflexure (z <sub>min</sub> )	25	25	25	25	20	20	25	25	30	-	-	30
	Minimum diameter of tensioning roller with contraflexure (d <sub>min</sub> [mm])	60	60	60	60	50	50	60	60	60	-	-	60