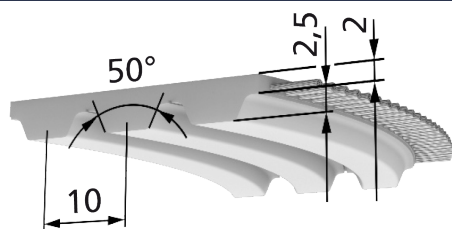


Standard



BAT10

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

25	32	50	75	100
----	----	----	----	-----

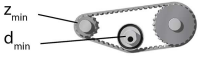
Available length and versions	BAT10	Comment
Standard lengths	see table	without minimum purchase amount
Sleeve width	b=100 mm	b=50 mm: from 720 mm
Minimum purchase	-	-
Any number of teeth available from	(720 mm) 1,100 mm to 22,000 mm	from 720 mm: b= 50 mm, from 1,100 mm: b=100, at intermediate minimum purchase amount on request
StandardPlus version	1,100 mm from 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
1,100	110	1,700	170	4,000	400
1,150	115	1,800	180	4,500	450
1,210	121	1,900	190	5,000	500
1,240	124	2,000	200	5,600	560
1,250	125	2,240	224	6,000	600
1,320	132	2,500	250	6,700	670
1,400	140	2,800	280	7,100	710
1,500	150	3,000	300	7,500	750
1,600	160	3,550	355		

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	92.75	14.769	0	2,000	50.887	8.103	16.97
20	91.389	14.552	0.305	2,200	49.198	7.834	18.047
40	90.114	14.349	0.601	2,400	47.639	7.586	19.064
60	88.914	14.158	0.89	2,600	46.193	7.356	20.026
80	87.783	13.978	1.171	2,800	44.843	7.141	20.936
100	86.711	13.807	1.446	3,000	43.579	6.939	21.799
200	82.071	13.069	2.737	3,200	42.389	6.75	22.617
300	78.303	12.469	3.917	3,400	41.265	6.571	23.394
400	75.129	11.963	5.011	3,600	40.201	6.401	24.131
500	72.389	11.527	6.035	3,800	39.19	6.24	24.831
600	69.977	11.143	7.001	4,000	38.228	6.087	25.496
700	67.823	10.8	7.916	4,500	36.005	5.733	27.016
800	65.877	10.49	8.787	5,000	34.004	5.415	28.349
900	64.103	10.208	9.62	5,500	32.184	5.125	29.514
1,000	62.473	9.948	10.417	6,000	30.514	4.859	30.528
1,100	60.965	9.708	11.182	6,500	28.973	4.614	31.401
1,200	59.562	9.484	11.917	7,000	27.541	4.386	32.145
1,300	58.25	9.275	12.626	7,500	26.204	4.173	32.77
1,400	57.018	9.079	13.31	8,000	24.951	3.973	33.282
1,500	55.858	8.895	13.971	8,500	23.771	3.785	33.69
1,600	54.761	8.72	14.609	9,000	22.656	3.608	33.999
1,700	53.72	8.554	15.227	9,500	21.6	3.439	34.214
1,800	52.731	8.397	15.826	10,000	20.596	3.28	34.342
1,900	51.788	8.246	16.407				

BAT10		Admissible tensile force of the belt F _{adm} / belt weight					
belt width	b [mm]	25	32	50	75	100	
E / Steel tension member	F _{zul}	3,500	4,750	7,750	12,000	16,000	
Stainless steel tension member	F _{zul}	2,520	3,420	5,580	8,640	11,520	
Belt width	Standard	[kg/m]	0.138	0.18	0.29	0.436	0.581
	DL	[kg/m]	-	-	-	-	-
	DR	[kg/m]	-	-	-	-	-
	T	[kg/m]	-	-	-	-	-

BAT10		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})	20	-	-	-	18	-	-	-	25	-	-	-
	Minimum diameter of tensioning roller without contraflexure (d _{min} [mm])	60	-	-	-	50	-	-	-	80	-	-	-
	Minimum number of teeth with contraflexure (z _{min})	25	-	-	-	20	-	-	-	40	-	-	-
	Minimum diameter of tensioning roller with contraflexure (d _{min} [mm])	120	-	-	-	80	-	-	-	130	-	-	-