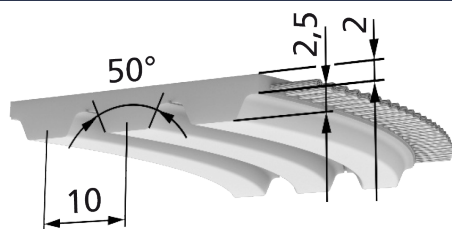


Standard



BAT10

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

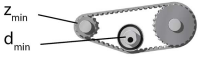

25	32	50	75	100
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Available length and versions	BAT10	Comment
Standard lengths	rolls of 50 or 100 m	-
Cut to lengths / lengths > 100 m	on request	-
In-between belt widths / other widths	not available	-
minimum length endless joined (b ≤ 100 mm)	880 mm	-
minimum length endless joined (b > 100 mm)	not available	-
Standard material	TPUST1	further materials on request
Steel tension member	Standard	-
E tension member	not available	-
Stainless steel cord	available	Minimum purchase amount on request
PAZ	available	-
PAR	available	-
PAZ-PAR	available	-
DL / DL-PAZ	not available	-
DR / DR-PAZ	not available	-
T / T-PAZ	not available	-

Tooth shear strength (specific belt tooth load bearing)

R.p.m. n [min ⁻¹]	F _{tspez} [N/cm]	R.p.m. n [min ⁻¹]	F _{tspez} [N/cm]	R.p.m. n [min ⁻¹]	F _{tspez} [N/cm]	R.p.m. n [min ⁻¹]	F _{tspez} [N/cm]
0	92.75	800	65.877	2,000	50.887	5,000	34.004
20	91.389	900	64.103	2,200	49.198	5,500	32.184
40	90.114	1,000	62.473	2,400	47.639	6,000	30.514
60	88.914	1,100	60.965	2,600	46.193	6,500	28.973
80	87.783	1,200	59.562	2,800	44.843	7,000	27.541
100	86.711	1,300	58.25	3,000	43.579	7,500	26.204
200	82.071	1,400	57.018	3,200	42.389	8,000	24.951
300	78.303	1,500	55.858	3,400	41.265	8,500	23.771
400	75.129	1,600	54.761	3,600	40.201	9,000	22.656
500	72.389	1,700	53.72	3,800	39.19	9,500	21.6
600	69.977	1,800	52.731	4,000	38.228	10,000	20.596
700	67.823	1,900	51.788	4,500	36.005		

BAT10			Admissible tensile force of the belt F_{adm} / belt weight				
belt width		b [mm]	25	32	50	75	100
M	E / Steel tension member	F_{Tadm} [N]	3,750	5,000	7,500	12,000	17,000
	Specific elasticity (E- / Steel tension member)	C_{spez} [N]	$1.06 \cdot 10^6$	$1.37 \cdot 10^6$	$2.12 \cdot 10^6$	$3.18 \cdot 10^6$	$4.25 \cdot 10^6$
	Stainless steel tension member	F_{Tadm} [N] F_{Tzul} [N]	3,000	4,000	6,000	9,000	12,000
	Specific elasticity (stainless steel tens. m.)	C_{spez} [N]	$1.06 \cdot 10^6$	$1.37 \cdot 10^6$	$2.12 \cdot 10^6$	$3.18 \cdot 10^6$	$4.25 \cdot 10^6$
V	E / Steel tension member	F_{Tadm} [N]	1,875	2,500	3,750	6,000	8,500
	Stainless steel tension member	T_{adm} [N]	1,500	2,000	3,000	4,500	6,000
Belt weight (Standard)		[kg/m]	0.158	0.18	0.29	0.436	0.581
Belt weight (DL)		[kg/m]	-	-	-	-	-
Belt weight (DR)		[kg/m]	-	-	-	-	-
Belt weight (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	-	-	-	-	-	-	-	25	-	-	-
	Minimum diameter of tensioning roller without contraflexure (d_{min} [mm])	60	-	-	-	-	-	-	-	80	-	-	-
	Minimum number of teeth with contraflexure (z_{min})	25	-	-	-	-	-	-	-	40	-	-	-
	Minimum diameter of tensioning roller with contraflexure (d_{min} [mm])	120	-	-	-	-	-	-	-	130	-	-	-