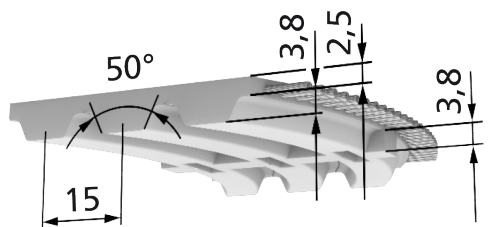


Standard



BATK15

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


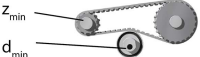
50	75	100
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Available length and versions	BATK15	Comment
Standard lengths	rolls of 50 or 100 m	-
Cut to lengths / lengths > 100 m	on request	-
In-between belt widths / other widths	not available	-
minimum length endless joined (b ≤ 100 mm)	960 mm	-
minimum 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	Colour: white
PAR	available	Colour: green
PAZ-PAR	available	Colour: white-green
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	140	600	102.237	1,600	77.439	3,200	57.38
20	137.703	700	98.714	1,700	75.749	3,400	55.561
40	135.558	800	95.536	1,800	74.143	3,600	53.839
60	133.546	900	92.641	1,900	72.613	3,800	52.203
80	131.651	1,000	89.984	2,000	71.151	4,000	50.646
100	129.861	1,100	87.527	2,200	68.412	4,500	47.051
200	122.145	1,200	85.243	2,400	65.885	5,000	43.815
300	115.915	1,300	83.11	2,600	63.541	5,500	40.872
400	110.689	1,400	81.107	2,800	61.355	6,000	38.174
500	106.189	1,500	79.222	3,000	59.307	6,500	35.683

BATK15			Admissible tensile force of the belt F_{adm} / belt weight		
belt width		b [mm]	50	75	100
M	E / Steel tension member	F_{Tadm} [N]	11,200	16,800	22,400
	Specific elasticity (E- / Steel tension member)	C_{spez} [N]	$2.80 \cdot 10^6$	$4.20 \cdot 10^6$	$5.60 \cdot 10^6$
	Stainless steel tension member	F_{Tadm} [N] F_{Tzul} [N]	9,000	13,500	18,000
	Specific elasticity (stainless steel tens. m.)	C_{spez} [N]	$2.80 \cdot 10^6$	$4.20 \cdot 10^6$	$5.60 \cdot 10^6$
V	E / Steel tension member	F_{Tadm} [N]	5,600	8,400	11,200
	Stainless steel tension member	T_{adm} [N]	4,500	6,750	9,000
Belt weight (Standard)		[kg/m]	0.428	0.642	0.856
Belt weight (DL)		[kg/m]	-	-	-
Belt weight (DR)		[kg/m]	-	-	-
Belt weight (T)		[kg/m]	-	-	-

BATK15		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])	100	-	-	-	-	-	-	-	120	-	-	-
	Minimum number of teeth with contraflexure (z_{min})	30	-	-	-	-	-	-	-	35	-	-	-
	Minimum diameter of tensioning roller with contraflexure (d_{min} [mm])	150	-	-	-	-	-	-	-	180	-	-	-