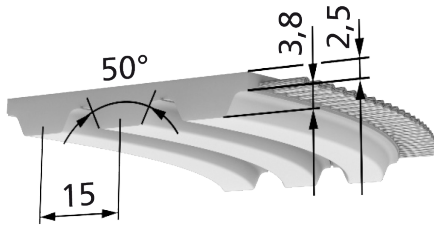


Standard



BAT15

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

50	75	100
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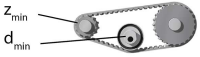

Available length and versions	BAT15	Comment
Standard lengths	see table	without minimum purchase amount
Sleeve width	b=100 mm	-
Minimum purchase	-	-
Any number of teeth available from	1,500 mm to 21,990 mm	in case of intermediate lengths minimum purchase amount on request
StandardPlus version	1,500 mm to 21,990 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
1,500	100	2,790	186	5,595	373
1,590	106	3,000	200	6,000	400
1,710	114	3,495	233	6,300	420
1,800	120	3,750	250	6,705	447
1,905	127	4,005	267	7,095	473
1,995	133	4,500	300	7,500	500
2,250	150	4,995	333		
2,505	167	5,295	353		

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	140	33.439	0	2,000	71.151	16.995	35.591
20	137.703	32.891	0.689	2,200	68.412	16.34	37.643
40	135.558	32.379	1.356	2,400	65.885	15.737	39.548
60	133.546	31.898	2.004	2,600	63.541	15.177	41.32
80	131.651	31.445	2.634	2,800	61.355	14.655	42.967
100	129.861	31.018	3.248	3,000	59.307	14.166	44.5
200	122.145	29.175	6.11	3,200	57.38	13.705	45.924
300	115.915	27.687	8.697	3,400	55.561	13.271	47.248
400	110.689	26.439	11.074	3,600	53.839	12.86	48.476
500	106.189	25.364	13.279	3,800	52.203	12.469	49.615
600	102.237	24.42	15.342	4,000	50.646	12.097	50.668
700	98.714	23.578	17.282	4,500	47.051	11.238	52.956
800	95.536	22.819	19.116	5,000	43.815	10.465	54.793
900	92.641	22.128	20.853	5,500	40.872	9.762	56.224
1,000	89.984	21.493	22.506	6,000	38.174	9.118	57.286
1,100	87.527	20.906	24.08	6,500	35.683	8.523	58.009
1,200	85.243	20.361	25.584	0	0	0	0
1,300	83.11	19.851	27.022	0	0	0	0
1,400	81.107	19.373	28.4	0	0	0	0
1,500	79.222	18.922	29.721	0	0	0	0
1,600	77.439	18.497	30.989	0	0	0	0
1,700	75.749	18.093	32.207	0	0	0	0
1,800	74.143	17.709	33.379	0	0	0	0
1,900	72.613	17.344	34.506				

BAT15			Admissible tensile force of the belt F _{adm} / belt weight		
belt width	b [mm]		50	75	100
E / Steel tension member	F _{zul}		10,400	16,000	21,600
Stainless steel tension member	F _{zul}		8,300	12,800	17,300
Belt width	Standard	[kg/m]	0.42	0.629	0.836
	DL	[kg/m]	-	-	-
	DR	[kg/m]	-	-	-
	T	[kg/m]	-	-	-

BAT15		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	-	-	-	15	-	-	-	25	-	-	-
	Minimum diameter of tensioning roller without contraflexure (d _{min} [mm])	100	-	-	-	70	-	-	-	120	-	-	-
	Minimum number of teeth with contraflexure (z _{min})	30	-	-	-	25	-	-	-	35	-	-	-
	Minimum diameter of tensioning roller with contraflexure (d _{min} [mm])	150	-	-	-	120	-	-	-	180	-	-	-