


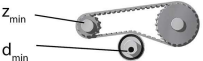


Available length and versions	T20 ROL	Comment
Standard delivery length (M)	to 100 m	only belt widths listed in the table available
Cut to lengths / lengths > 100 m	not available	-
minimum length endless joined (V)	1000 mm	-
Standard material	TPUST1	further materials on request
Steel tension member	Standard	-
E tension member	Minimum purchase amount on request	-
Stainless steel cord	Minimum purchase amount on request	-
Polyamide fabric on the tooth side (PAZ)	not available	-
Polyamide fabric on the back of the belt (PAR)	not available	-

Belt widths b [mm] (In-between belt widths on request)
100

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	50.75	600	32.8	1,600	24.6	3,200	18.5
20	49.05	700	31.55	1,700	24.1	3,400	17.95
40	47.65	800	30.45	1,800	23.6	3,600	17.45
60	46.4	900	29.5	1,900	23.1	3,800	16.95
80	45.35	1,000	28.6	2,000	22.65	4,000	16.5
100	44.35	1,100	27.8	2,200	21.8	4,500	15.4
200	40.6	1,200	27.1	2,400	21.05	5,000	14.45
300	37.95	1,300	26.4	2,600	20.35	5,500	13.6
400	35.9	1,400	25.75	2,800	19.7	6,000	12.8
500	34.2	1,500	25.15	3,000	19.05	6,500	12.1

T20 ROL		Admissible tensile force of the belt F _{adm} / belt weight	
belt width	b [mm]	100	
M	E / Steel tension member	F _{Tadm} [N]	12,000
	Specific elasticity (E- / Steel tension member)	C _{spez} [N]	3.5 · 10 ⁶
	Stainless steel tension member	F _{Tadm} [N]	10,080
	Specific elasticity (stainless steel tens. m.)	C _{spez} [N]	3.5 · 10 ⁶
V	E / Steel tension member	F _{Tadm} [N]	6,000
	Stainless steel tension member	F _{Tadm} [N]	5,040
Belt weight (Standard)		[kg/m]	0.94
max. back load (at v _{max} =1m/s)		[kg/Pair of rollers]	6
Coefficient of friction		-	μ

T20 ROL		Flexibility (Minimum number of teeth / minimum diameter)		
		Steel tension member	E / Steel tension member	Stainless steel cord
		Standard M/V	Standard M/V	Standard M/V
	Minimum number of teeth without contraflexure (z_{min})	15	12	20
	Minimum diameter of tensioning roller without contraflexure (d_{min} [mm])	120	100	130
	Minimum number of teeth with contraflexure (z_{min})	25	22	30
	Minimum diameter of tensioning roller with contraflexure (d_{min} [mm])	180	180	180