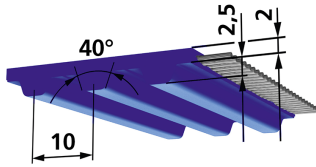


Standard



T10 PRO

Available length and versions	T10 PRO	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	only belt widths listed in the table available
minimum length endless joined (b \geq 100 mm)	1100 mm	-
Standard material	TPUAU1	FDA compliant
Belt colour	blue	-
Steel tension member	Standard	-

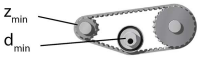

Belt widths b [mm] (In-between belt widths on request)

16	25	32	50	75	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	50.5	800	32.4	2,000	25.4	5,000	18.06
20	49	900	31.5	2,200	24.6	5,500	17.28
40	47.7	1,000	30.7	2,400	23.9	6,000	16.58
60	46.6	1,100	30	2,600	23.3	6,500	15.93
80	45.7	1,200	29.3	2,800	22.7	7,000	15.33
100	44.8	1,300	28.7	3,000	22.2	7,500	14.76
200	41.4	1,400	28.2	3,200	21.7	8,000	14.24
300	39.1	1,500	27.6	3,400	21.2	8,500	13.74
400	37.2	1,600	27.1	3,600	20.7	9,000	13.28
500	35.7	1,700	26.7	3,800	20.3	9,500	12.84
600	34.4	1,800	26.2	4,000	19.86	10,000	12.42
700	33.3	1,900	25.8	4,500	18.91		

T10 PRO			Admissible tensile force of the belt F_{adm} / belt weight					
belt width		b [mm]	16	25	32	50	75	100
M	Steel tension member	F_{Tadm} [N]	1,400	2,200	2,800	4,400	6,600	8,800
	Specific elasticity	C_{spez} [N]	$3.5 \cdot 10^5$	$5.5 \cdot 10^5$	$7.0 \cdot 10^5$	$11.0 \cdot 10^5$	$16.5 \cdot 10^5$	$22.0 \cdot 10^5$
V	Steel tension member	F_{Tadm} [N]	700	1,100	1,400	2,200	3,300	4,400
Belt weight (Standard)		[kg/m]	0.073	0.114	0.145	0.227	0.341	0.454

T10 PRO		Flexibility (Minimum number of teeth / minimum diameter)	
		Steel tension member	
		M	V
	Minimum number of teeth without contraflexure (z_{min})	15	15
	Minimum diameter of tensioning roller without contraflexure (d_{min} [mm])	60	60
	Minimum number of teeth with contraflexure (z_{min})	20	20
	Minimum diameter of tensioning roller with contraflexure (d_{min} [mm])	60	60