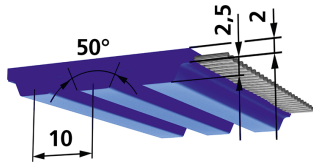## Standard

AT10 PRO

Available length and versions	AT10 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⊠100 mm)	1100 mm	-
Standard material	TPUAU1	FDA compliant
Belt colour	blue	-
Steel tension member	Standard	-

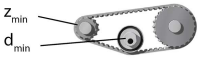| Belt widths b [mm] (In-between belt widths on request)				
25	32	50	75	100

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	87.5	800	62.148	2,000	48.006	5,000	32.079
20	86.216	900	60.475	2,200	46.413	5,500	30.362
40	85.013	1,000	58.937	2,400	44.943	6,000	28.787
60	83.881	1,100	57.514	2,600	43.578	6,500	27.333
80	82.814	1,200	56.19	2,800	42.305	7,000	25.982
100	81.803	1,300	54.953	3,000	41.112	7,500	24.721
200	77.426	1,400	53.791	3,200	39.989	8,000	23.538
300	73.87	1,500	52.696	3,400	38.929	8,500	22.425
400	70.877	1,600	51.661	3,600	37.925	9,000	21.374
500	68.291	1,700	50.679	3,800	36.972	9,500	20.377
600	66.016	1,800	49.746	4,000	36.064	10,000	19.43
700	63.984	1,900	48.856	4,500	33.967		

AT10 PRO			Admissible tensile force of the belt F_{adm} / belt weight				
belt width		b [mm]	**25**	**32**	**50**	**75**	**100**
M	Steel tension member	F_{Tadm} [N]	4,250	5,500	8,500	12,750	17,000
M	Specific elasticity	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	Steel tension member	F_{Tadm} [N]	2,125	2,750	4,250	6,375	8,500
Belt weight (Standard)		[kg/m]	0.158	0.186	0.29	0.436	0.581

AT10 PRO		Flexibility (Minimum number of teeth / minimum diameter)	
		Steel tension member	
		M	V
	Minimum number of teeth without contraflexure (z_{min})	18	18
	Minimum diameter of tensioning roller without contraflexure (d_{min} [mm])	60	60
	Minimum number of teeth with contraflexure (z_{min})	25	25
	Minimum diameter of tensioning roller with contraflexure (d_{min} [mm])	120	120