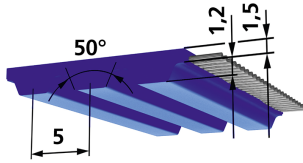


## Standard



AT5 PRO

Available length and versions	AT5 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	-

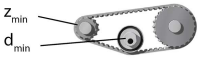

## Belt widths b [mm] (In-between belt widths on request)

25	50	75	100
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## Tooth shear strength (specific belt tooth load bearing)

R.p.m. n [min <sup>-1</sup> ]	F <sub>tspez</sub> [N/cm]	R.p.m. n [min <sup>-1</sup> ]	F <sub>tspez</sub> [N/cm]	R.p.m. n [min <sup>-1</sup> ]	F <sub>tspez</sub> [N/cm]	R.p.m. n [min <sup>-1</sup> ]	F <sub>tspez</sub> [N/cm]
0	42	800	31.964	2,000	26.05	5,000	19.284
20	41.521	900	31.271	2,200	25.377	5,500	18.55
40	41.069	1,000	30.633	2,400	24.755	6,000	17.877
60	40.641	1,100	30.04	2,600	24.177	6,500	17.255
80	40.234	1,200	29.488	2,800	23.637	7,000	16.677
100	39.846	1,300	28.971	3,000	23.13	7,500	16.138
200	38.142	1,400	28.484	3,200	22.654	8,000	15.631
300	37.733	1,500	28.025	3,400	22.203	8,500	15.154
400	35.531	1,600	27.59	3,600	21.776	9,000	14.704
500	34.483	1,700	27.177	3,800	21.37	9,500	14.277
600	33.554	1,800	26.784	4,000	20.983	10,000	13.871
700	32.721	1,900	26.409	4,500	20.089		

AT5 PRO			Admissible tensile force of the belt $F_{adm}$ / belt weight			
belt width		b [mm]	25	50	75	100
M	Steel tension member	$F_{Tadm}$ [N]	1,750	3,500	5,250	7,000
	Specific elasticity	$C_{spez}$ [N]	$0.440 \cdot 10^6$	$0.875 \cdot 10^6$	$1.310 \cdot 10^6$	$1.750 \cdot 10^6$
V	Steel tension member	$F_{Tadm}$ [N]	910	1,750	2,380	3,500
Belt weight (Standard)		[kg/m]	0.082	0.164	0.245	0.327

AT5 PRO		Flexibility (Minimum number of teeth / minimum diameter)	
		Steel tension member	
		M	V
	Minimum number of teeth without contraflexure ( $z_{min}$ )	18	15
	Minimum diameter of tensioning roller without contraflexure ( $d_{min}$ [mm])	30	25
	Minimum number of teeth with contraflexure ( $z_{min}$ )	25	25
	Minimum diameter of tensioning roller with contraflexure ( $d_{min}$ [mm])	60	60