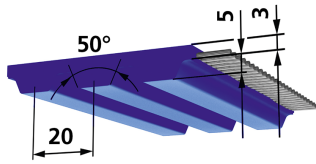


## Standard



AT20 PRO

Available length and versions	AT20 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)	1260 mm	-
Standard material	TPUAU1	FDA compliant
Belt colour	blue	-
Steel tension member	Standard	-

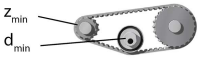

## Belt widths b [mm] (In-between belt widths on request)

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	175	600	122.268	1,600	88.264	3,200	60.904
20	171.733	700	117.419	1,700	85.956	3,400	58.426
40	168.692	800	113.051	1,800	83.762	3,600	56.081
60	165.847	900	109.077	1,900	81.673	3,800	53.854
80	163.175	1,000	105.432	2,000	79.678	4,000	51.735
100	160.655	1,100	102.066	2,200	75.94	4,500	46.843
200	149.85	1,200	98.938	2,400	72.494	5,000	42.44
300	141.179	1,300	96.018	2,600	69.299	5,500	38.437
400	133.936	1,400	93.279	2,800	66.319	6,000	34.767
500	127.717	1,500	90.7	3,000	63.528	6,500	31.38

AT20 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]	5,600	11,200	16,800	22,400
	Specific elasticity	$C_{spez}$ [N]	$1.4 \cdot 10^6$	$2.8 \cdot 10^6$	$4.2 \cdot 10^6$	$5.6 \cdot 10^6$
V	Steel tension member	$F_{Tadm}$ [N]	2,800	5,600	8,400	11,200
Belt weight (Standard)		[kg/m]	0.24	0.48	0.72	0.96

AT20 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])	120	120
	Minimum number of teeth with contraflexure ( $z_{min}$ )	25	25
	Minimum diameter of tensioning roller with contraflexure ( $d_{min}$ [mm])	180	180