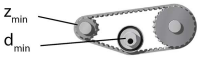



Available length and versions	AT15 PRO	Comment
Standard lengths	rolls of 50 or 100 m	-
Cut to lengths / lengths > 100 m	on request	-
In-between belt widths / other widths	not available	only belt widths listed in the table available
minimum length endless joined (b $\geq$ 100 mm)	1260 mm	-
Standard material	TPUAU1	FDA compliant
Belt colour	blue	-
Steel tension member	Standard	-

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

Tooth shear strength (specific belt tooth load bearing)							
R.p.m. n [min-1]	F <sub>tspez</sub> [N/cm]	R.p.m. n [min-1]	F <sub>tspez</sub> [N/cm]	R.p.m. n [min-1]	F <sub>tspez</sub> [N/cm]	R.p.m. n [min-1]	F <sub>tspez</sub> [N/cm]
0	133	600	97.125	1,600	73.567	3,200	54.511
20	130.818	700	93.778	1,700	71.962	3,400	52.783
40	128.78	800	90.759	1,800	70.436	3,600	51.147
60	126.869	900	88.009	1,900	68.982	3,800	49.593
80	125.069	1,000	85.485	2,000	67.594	4,000	48.114
100	123.368	1,100	83.151	2,200	64.991	4,500	44.699
200	116.038	1,200	80.981	2,400	62.591	5,000	41.624
300	110.119	1,300	78.954	2,600	60.364	5,500	38.829
400	105.155	1,400	77.052	2,800	58.288	6,000	36.265
500	100.88	1,500	75.26	3,000	56.342	6,500	33.898

AT15 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]	4,800	5,600	9,600	14,400	19,200
	Specific elasticity	$C_{spez}$ [N]	$1.2 \cdot 10^6$	$1.4 \cdot 10^6$	$2.4 \cdot 10^6$	$3.6 \cdot 10^6$	$4.8 \cdot 10^6$
V	Steel tension member	$F_{Tadm}$ [N]	2,400	2,800	4,800	7,200	9,600
Belt weight (Standard)		[kg/m]	0.194	0.248	0.388	0.581	0.775

AT15 PRO		Flexibility (Minimum number of teeth / minimum diameter)	
		Steel tension member	
		M	V
	Minimum number of teeth without contraflexure ( $z_{min}$ )	25	25
	Minimum diameter of tensioning roller without contraflexure ( $d_{min}$ [mm])	120	120
	Minimum number of teeth with contraflexure ( $z_{min}$ )	40	40
	Minimum diameter of tensioning roller with contraflexure ( $d_{min}$ [mm])	250	250