



BELT CHARACTERISTICS

- Polyurethane self tracking timing belt with steel tension cords
- Profile AT10 with central guide
- Central guide height 4 mm
- Allows to use pulleys without flanges
- The central guide is notched in order to maximize belt flexibility
- Ideal for conveying applications where a side load is generated by loading/unloading or transferring a product

STANDARD TOLERANCES

WIDTH TOLERANCE: $\pm 0,5$ [mm]
 THICKNESS TOLERANCE: $\pm 0,2$ [mm]

TECHNICAL DATA

Standard steel cord

Belt width b [mm]	32	50	75
Allowable tensile load [N]	5390	8330	12740
Weight [kg/m]	0,27	0,36	0,54

Other widths are available on request

Tooth shear strength

rpm [min ⁻¹]	0	20	40	60	80	100	200	300	400	500	600	700	800	900	1000	1100
M _{spez} [Ncm/cm]	12,048	11,871	11,706	11,55	11,403	11,265	10,684	10,215	9,793	9,424	9,097	8,808	8,547	8,309	8,093	7,893
P _{spez} [W/cm]	0,000	0,249	0,490	0,726	0,955	1,180	2,238	3,209	4,102	4,934	5,716	6,456	7,159	7,831	8,474	9,091
rpm [min ⁻¹]	1200	1300	1400	1440	1500	1600	1700	1800	1900	2000	2200	2400	2600	2800	3000	3200
M _{spez} [Ncm/cm]	7,708	7,534	7,372	7,310	7,219	7,076	6,939	6,810	6,688	6,570	6,349	6,147	5,959	5,782	5,618	5,464
P _{spez} [W/cm]	9,685	10,256	10,807	11,022	11,339	11,855	12,352	12,836	13,305	13,759	14,625	15,447	16,223	16,953	17,649	18,308
rpm [min ⁻¹]	3400	3600	3800	4000	4500	5000	5500	6000	6500	7000	7500	8000	8500	9000	9500	10000
M _{spez} [Ncm/cm]	5,317	5,180	5,048	4,924	4,636	4,377	4,140	3,923	3,724	3,538	3,365	3,202	3,048	2,903	2,766	2,636
P _{spez} [W/cm]	18,931	19,529	20,088	20,625	21,846	22,915	23,841	24,648	25,348	25,933	26,423	26,825	27,127	27,358	27,516	27,598

Flexibility

Minimum pulley number of teeth and minimum idler diameter	Drive without reverse bending		Drive with reverse bending	
	Z _{min}	idler d _{min}	Z _{min}	idler d _{min}
STANDARD	20	50 mm	25	120 mm

Min. available length

Max width	Execution	
	Standard	PAZ
75 mm	≥ 1600 mm	≥ 1800 mm