



BELT CHARACTERISTICS

- Truly endless polyurethane timing belt with round tooth profile and steel tension cords
- Tooth profile according to ISO 13050
- Metric pitch 8 mm
- PAZ fabric on tooth delivered as standard decreases noise in high speed drives
- Transmissible power up to 80 kW
- Double sided tooth available (on request for special cords)
- **Dual tothing available from 1500 mm**

STANDARD TOLERANCES

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

TECHNICAL DATA

Standard steel cord

Belt width b [mm]	10	15	20	30	50	85	100	150
Allowable tensile load [N]	1715	2450	3185	4900	8330	14455	16905	25480
Weight [kg/m]	0,07	0,10	0,13	0,20	0,33	0,56	0,66	1,00

Other widths are available on request

Specialties

Belt width b [mm]		10	15	20	30	50	85	100	150
ARAMID CORD	F_{Tzul} [N]	1100	1760	2420	3740	6380	11000	12980	19580
STAINLESS STEEL	F_{Tzul} [N]	1080	1800	2340	3600	6120	10620	12420	18720
HPL High Performance	F_{Tzul} [N]	1200	2000	2600	4000	6800	11800	13800	20800

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]	9,677	9,500	9,338	9,188	9,049	8,921	8,415	8,108	7,770	7,475	7,214	6,982	6,774	6,584	6,411	6,251
P_{spez} [W/cm]	0,000	0,199	0,391	0,577	0,758	0,934	1,762	2,547	3,255	3,913	4,532	5,118	5,674	6,205	6,713	7,200

rpm [min ⁻¹]	1200	1300	1400	1440	1500	1600	1700	1800	1900	2000	2200	2400	2600	2800	3000	3200
M_{spez} [Ncm/cm]	6,102	5,964	5,834	5,785	5,712	5,597	5,488	5,385	5,296	5,192	5,016	4,853	4,703	4,562	4,431	4,307
P_{spez} [W/cm]	7,668	8,118	8,553	8,722	8,972	9,377	9,769	10,149	10,517	10,873	11,554	12,197	12,803	13,377	13,919	14,433

rpm [min ⁻¹]	3400	3600	3800	4000	4500	5000	5500	6000	-	-	-	-	-	-	-	-
M_{spez} [Ncm/cm]	4,191	4,080	3,975	3,875	3,645	3,437	3,248	3,075	-	-	-	-	-	-	-	-
P_{spez} [W/cm]	14,920	15,381	15,818	16,232	17,175	17,996	18,708	19,320	-	-	-	-	-	-	-	-

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	18	50 mm	30	120 mm
ARAMID	18	50 mm	30	120 mm
STAINLESS	24	70 mm	40	120 mm
HPL	30	80 mm	30	150 mm

Min. available length

Max width	Execution	
	Standard	PAZ
100 mm	≥ 900 mm	≥ 900 mm
150 mm	≥ 1800 mm	≥ 1800 mm

Timing pulleys → page 185