


BELT CHARACTERISTICS

- Truly endless polyurethane timing belt with steel tension cords
- Tooth profile according to ISO 17396
- Metric pitch 2.5 mm
- Ideal for drives where high belt flexibility is requested
- Allows the use of small diameter pulleys

STANDARD TOLERANCES

WIDTH TOLERANCE: $\pm 0,3$ [mm]
 THICKNESS TOLERANCE: $\pm 0,2$ [mm]

TECHNICAL DATA
Standard steel cord

Belt width b [mm]	4	6	10	20	50	100
Allowable tensile load [N]	128	224	352	736	1856	3744
Weight [kg/m]	0,004	0,007	0,011	0,022	0,055	0,110

Other widths are available on request

Specialties

Belt width b [mm]		4	6	10	20	50	100
ARAMID	F_{Tzul} [N]	280	490	770	1610	4060	8190

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]	0,362	0,349	0,339	0,330	0,324	0,318	0,294	0,278	0,267	0,258	0,250	0,244	0,238	0,233	0,229	0,225
P_{spez} [W/cm]	0,000	0,007	0,014	0,021	0,027	0,033	0,062	0,087	0,112	0,135	0,157	0,179	0,199	0,220	0,239	0,259
rpm [min ⁻¹]	1200	1300	1400	1440	1500	1600	1700	1800	1900	2000	2200	2400	2600	2800	3000	3200
M_{spez} [Ncm/cm]	0,221	0,217	0,214	0,213	0,211	0,208	0,206	0,203	0,201	0,199	0,194	0,191	0,187	0,184	0,181	0,178
P_{spez} [W/cm]	0,277	0,296	0,314	0,321	0,332	0,349	0,366	0,383	0,399	0,416	0,448	0,479	0,509	0,539	0,567	0,596
rpm [min ⁻¹]	3400	3600	3800	4000	4500	5000	5500	6000	6500	7000	7500	8000	8500	9000	9500	10000
M_{spez} [Ncm/cm]	0,175	0,173	0,170	0,168	0,163	0,158	0,154	0,150	0,146	0,143	0,140	0,137	0,134	0,131	0,129	0,127
P_{spez} [W/cm]	0,623	0,650	0,677	0,703	0,766	0,827	0,885	0,940	0,994	1,046	1,097	1,146	1,193	1,239	1,283	1,725

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	15	15 mm	18	18 mm
ARAMID	15	15 mm	18	18 mm

Min. available length

Max width	Execution	
	Standard	PAZ
100 mm	≥ 800 mm	≥ 900 mm
150 mm	≥ 1600 mm	≥ 1800 mm