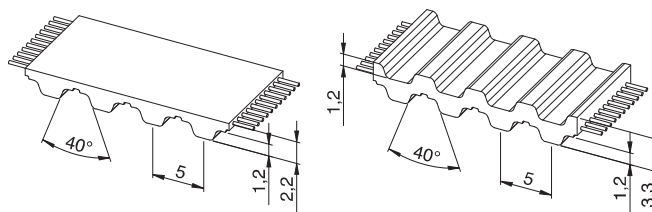


BELT CHARACTERISTICS

- Truly endless polyurethane timing belt with steel tension cords
- Tooth profile according to ISO 17396
- Metric pitch 5 mm
- Ideal for drives where high belt flexibility is required
- Allows the use of small diameter pulleys
- Transmissible power up to 5 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	16	25	32	50	75	100	150
Allowable tensile load [N]	384	610	930	1215	1890	2815	3775	5665
Weight [kg/m]	0,02	0,03	0,05	0,07	0,11	0,16	0,21	0,32

Other widths are available on request

Specialties

Belt width b [mm]		10	16	25	32	50	75	100	150
ARAMID CORD	F_{Tzul} [N]	770	1260	2030	2590	4060	6160	8260	12320
STAINLESS STEEL	F_{Tzul} [N]	220	360	580	740	1160	1760	2340	3520
HFE High Flexibility	F_{Tzul} [N]	396	648	1044	1332	2088	3160	4212	6336

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]	1,966	1,915	1,872	1,834	1,802	1,773	1,663	1,583	1,520	1,468	1,425	1,388	1,354	1,325	1,299	1,274
P_{spez} [W/cm]	0,000	0,040	0,078	0,115	0,151	0,186	0,348	0,497	0,637	0,769	0,895	1,017	1,135	1,249	1,360	1,467

rpm [min ⁻¹]	1200	1300	1400	1440	1500	1600	1700	1800	1900	2000	2200	2400	2600	2800	3000	3200
M_{spez} [Ncm/cm]	1,252	1,231	1,211	1,204	1,194	1,176	1,160	1,145	1,131	1,116	1,091	1,068	1,046	1,026	1,007	0,989
P_{spez} [W/cm]	1,573	1,676	1,776	1,815	1,875	1,971	2,065	2,158	2,250	2,338	2,513	2,684	2,847	3,007	3,162	3,314

rpm [min ⁻¹]	3400	3600	3800	4000	4500	5000	5500	6000	6500	7000	7500	8000	8500	9000	9500	10000
M_{spez} [Ncm/cm]	0,972	0,957	0,942	0,928	0,895	0,866	0,840	0,815	0,793	0,772	0,753	0,735	0,717	0,701	0,686	0,672
P_{spez} [W/cm]	3,462	3,609	3,749	3,886	4,218	4,533	4,835	5,120	5,395	5,658	5,912	6,153	6,382	6,607	6,824	7,033

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	10	30 mm	15	30 mm
ARAMID	10	30 mm	15	30 mm
STAINLESS	15	30 mm	20	40 mm
HFE	10	30 mm	15	30 mm

Min. available length

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

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