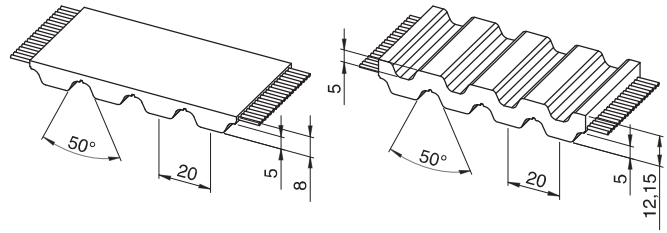


BELT CHARACTERISTICS

- Truly endless polyurethane timing belt with steel tension cords
- Tooth profile according to ISO 17396
- Metric pitch 20 mm
- Tooth profile and dimension are optimised to guarantee uniform load distribution and minimum deformation under load
- High resistance and low stretch steel cords to guarantee high stability and low elongation
- Reduced polygonal effect with reduced vibration & noise
- Transmissible power up to 200 kW
- Double sided tooth available (on request for special cords)
- **Dual toothing available from 1500 mm**



STANDARD TOLERANCES

WIDTH TOLERANCE: $\pm 1,0$ [mm]
THICKNESS TOLERANCE: $\pm 0,2$ [mm]

TECHNICAL DATA

Standard steel cord

Belt width b [mm]	25	32	50	75	100	150
Allowable tensile load [N]	5760	7200	11520	17280	23040	34560
Weight [kg/m]	0,24	0,31	0,48	0,73	0,97	1,45

Other widths are available on request

Specialties

Belt width b [mm]		25	32	50	75	100	150
ARAMID CORD	F_{Tzul} [N]	3080	4180	6380	9680	12980	19580
STAINLESS STEEL	F_{Tzul} [N]	3600	4500	7200	10800	14400	21600
HFE High Flexibility	F_{Tzul} [N]	5520	6900	11040	16560	22080	33120
HPL High Performance	F_{Tzul} [N]	7650	10200	16150	24650	32300	49300

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]	48,192	47,288	46,438	45,639	44,885	44,175	41,199	38,923	36,911	35,157	33,617	32,248	31,016	29,899	28,880	27,938
P_{spez} [W/cm]	0,000	0,990	1,945	2,867	3,760	4,626	8,628	12,227	15,460	18,407	21,120	23,637	25,982	28,177	30,241	32,180

rpm [min ⁻¹]	1200	1300	1400	1440	1500	1600	1700	1800	1900	2000	2200	2400	2600	2800	3000	3200
M_{spez} [Ncm/cm]	27,063	26,251	25,487	25,197	24,771	24,096	23,456	22,845	22,269	21,715	20,681	19,729	18,844	18,023	17,252	16,527
P_{spez} [W/cm]	34,006	35,734	37,363	37,994	38,907	40,370	41,755	43,059	44,305	45,477	47,641	49,58	51,303	52,841	54,196	55,377

rpm [min ⁻¹]	3400	3600	3800	4000	4500	5000	5500	6000	6500	7000	7500	8000	8500	9000	9500	10000
M_{spez} [Ncm/cm]	15,842	15,196	14,579	13,993	12,643	11,427	10,320	9,304	-	-	-	-	-	-	-	-
P_{spez} [W/cm]	56,402	57,284	58,009	58,609	59,576	59,829	59,432	58,456	-	-	-	-	-	-	-	-

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	120 mm	25	180 mm
ARAMID	18	120 mm	25	160 mm
STAINLESS	20	125 mm	30	200 mm
HFE	18	120 mm	25	150 mm
HPL	25	160 mm	25	250 mm

Min. available length

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