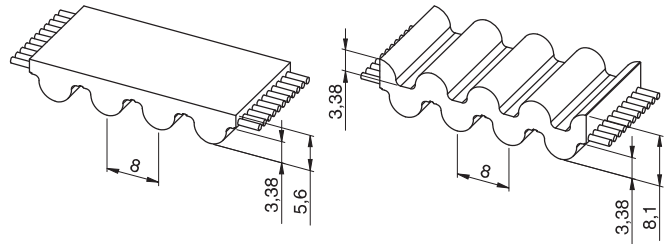


BELT CHARACTERISTICS

- Truly endless polyurethane timing belt with round tooth profile and steel tension cords
- Tooth profile according to ISO 13050
- Metric pitch 8 mm
- The round tooth profile allows a uniform load distribution that guarantees high performance, high transmissible torque and precise tooth engagement
- 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]	720	1260	1620	2520	4320	14760	17460	26280
HFE High Flexibility	F_{Tzul} [N]	1800	2800	3800	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]	9,422	9,246	9,083	8,933	8,794	8,666	8,160	7,853	7,516	7,220	6,959	6,728	6,519	6,330	6,156	5,996
P_{spez} [W/cm]	0,000	0,194	0,380	0,561	0,737	0,907	1,709	2,467	3,148	3,780	4,372	4,931	5,461	5,965	6,446	6,907

rpm [min ⁻¹]	1200	1300	1400	1440	1500	1600	1700	1800	1900	2000	2200	2400	2600	2800	3000	3200
M_{spez} [Ncm/cm]	5,848	5,709	5,580	5,530	5,458	5,343	5,233	5,130	5,031	4,937	4,761	4,599	4,448	4,308	4,176	4,053
P_{spez} [W/cm]	7,348	7,772	8,180	8,338	8,572	8,951	9,316	9,669	10,010	10,340	10,968	11,557	12,110	12,630	13,119	13,580

rpm [min ⁻¹]	3400	3600	3800	4000	4500	5000	5500	6000	-	-	-	-	-	-	-	-
M_{spez} [Ncm/cm]	3,936	3,826	3,721	3,621	3,390	3,183	2,994	2,821	-	-	-	-	-	-	-	-
P_{spez} [W/cm]	14,013	14,421	14,805	15,166	15,975	16,663	17,241	17,720	-	-	-	-	-	-	-	-

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
HFE	18	50 mm	25	120 mm

Min. available length

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