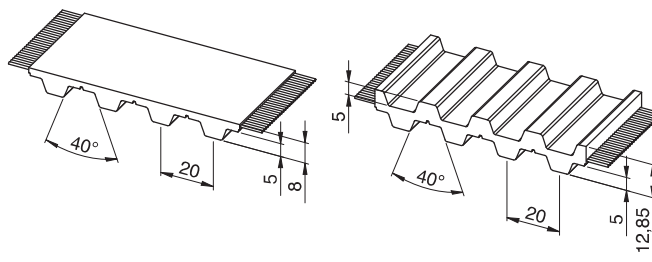


BELT CHARACTERISTICS

- Truly endless polyurethane timing belt with steel tension cords
- Tooth profile according to ISO 17396
- Metric pitch 20 mm
- Ideal for drives where high belt flexibility is required
- Transmissible power up to 100 kW
- Double sided tooth available (on request for special cords)
- **Dual tothing available from 1500 mm**
- **HPL cord execution available**



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]	4165	5390	8330	12740	16905	25480
Weight [kg/m]	0,18	0,23	0,37	0,55	0,73	1,10

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]	3060	3960	6120	9360	12420	18720
HFE High Flexibility	F_{Tzul} [N]	3400	4400	6800	10400	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]	33,263	32,181	31,242	30,424	29,714	29,097	26,579	24,777	23,393	22,269	21,320	20,502	19,783	19,140	18,561	18,029
P_{spez} [W/cm]	0,000	0,674	1,309	1,911	2,489	3,047	5,566	7,783	9,798	11,659	13,395	15,028	16,572	18,038	19,435	20,766

rpm [min ⁻¹]	1200	1300	1400	1440	1500	1600	1700	1800	1900	2000	2200	2400	2600	2800	3000	3200
M_{spez} [Ncm/cm]	17,542	17,093	16,673	16,511	16,278	15,909	15,562	15,234	14,922	14,623	14,069	13,563	13,092	12,659	12,252	11,870
P_{spez} [W/cm]	22,042	23,268	24,442	24,896	25,568	26,654	27,702	28,714	29,689	30,624	32,411	34,086	35,643	37,116	38,487	39,773

rpm [min ⁻¹]	3400	3600	3800	4000	4500	5000	5500	6000	6500	7000	7500	8000	8500	9000	9500	10000
M_{spez} [Ncm/cm]	11,510	11,173	10,851	10,546	9,842	9,209	8,639	8,114	7,630	-	-	-	-	-	-	-
P_{spez} [W/cm]	40,978	42,117	43,178	44,170	46,377	48,213	49,753	50,976	51,931	-	-	-	-	-	-	-

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	120 mm	25	120 mm
ARAMID	15	120 mm	25	120 mm
STAINLESS	20	130 mm	30	150 mm
HFE	12	100 mm	22	120 mm

Min. available length

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

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