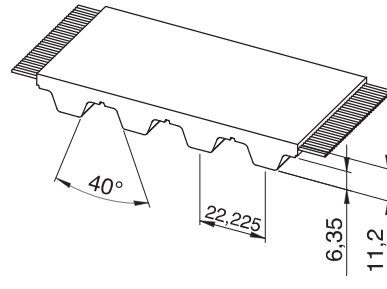


BELT CHARACTERISTICS

- Truly endless polyurethane timing belt with steel tension cords
- Tooth profile according to UNI/ISO 5296
- Imperial pitch 7/8" = 22,225 mm
- Transmissible power up to 100 kW



STANDARD TOLERANCES

WIDTH TOLERANCE: ±1,0 [mm]
THICKNESS TOLERANCE: ±0,2 [mm]

TECHNICAL DATA

Standard steel cord

Belt width b [inch]/[mm]	1,00 / 25,4	2,00 / 50,8	3,00 / 76,2	4,00 / 101,6	6,00 / 152,4
Allowable tensile load [N]	4165	8575	12985	17150	25970
Weight [kg/m]	0,27	0,53	0,80	1,06	1,59

Other widths are available on request

Specialties

Belt width b [inch]/[mm]		1,00 / 25,4	2,00 / 50,8	3,00 / 76,2	4,00 / 101,6	6,00 / 152,4
ARAMID CORD	F _{Tzul} [N]	3300	6600	9900	13200	20020
HFE High Flexibility	F _{Tzul} [N]	3400	7000	10600	14000	21200

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]	33,957	32,889	31,932	31,074	30,306	29,618	26,46	24,554	23,178	22,100	21,213	20,459	19,804	19,224	18,704	18,233
P _{spez} [W/cm]	0,000	0,689	1,337	1,952	2,539	3,101	5,541	7,713	9,708	11,571	13,327	14,996	16,590	18,117	19,586	21,001
rpm [min ⁻¹]	1200	1300	1400	1440	1500	1600	1700	1800	1900	2000	2200	2400	2600	2800	3000	3200
M _{spez} [Ncm/cm]	17,802	17,405	17,037	16,897	16,693	16,372	16,070	15,785	15,515	15,259	14,782	14,347	13,946	13,574	13,228	12,904
P _{spez} [W/cm]	22,369	23,692	24,975	25,477	26,22	27,43	28,606	29,752	30,867	31,955	34,053	36,054	37,967	39,798	41,553	43,237
rpm [min ⁻¹]	3400	3600	3800	4000	-	-	-	-	-	-	-	-	-	-	-	-
M _{spez} [Ncm/cm]	12,599	12,312	12,040	11,782	-	-	-	-	-	-	-	-	-	-	-	-
P _{spez} [W/cm]	44,855	46,411	47,907	49,347	-	-	-	-	-	-	-	-	-	-	-	-

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	150 mm	20	180 mm
KEVLAR	18	150 mm	20	180 mm
HFE	18	150 mm	18	180 mm

Min. available length

Max width	Execution	
	Standard	PAZ
4"	≥ 900 mm	≥ 900 mm
6"	≥ 1600 mm	≥ 1800 mm