



## BELT CHARACTERISTICS

- Truly endless polyurethane timing belt with high tensile load steel cords and high torque capacity
- Tooth profile according to ISO 13050
- Metric pitch 14 mm
- Low noise generation in high speed drives
- Offer excellent operational reliability
- The special profile allows smooth running properties
- Transmissible power up to 200 kW

### STANDARD TOLERANCES

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

## TECHNICAL DATA

### Standard steel cord

Belt width b [mm]	40	55	85	100
Allowable tensile load [N]	13600	17850	28050	33150
Weight [kg/m]	0,48	0,85	1,10	1,54

Other widths are available on request

### Specialties

Belt width b [mm]		40	55	85	100
ARAMID CORD	$F_{Tzul}$ [N]	11250	15750	24750	28500
STAINLESS STEEL	$F_{Tzul}$ [N]	8700	12180	19140	22040

### Tooth shear strength

rpm [min <sup>-1</sup> ]	0	20	40	60	80	100	200	300	400	500	600	700	800	900	1000	1100
$M_{spez}$ [Ncm/cm]	29,857	29,258	28,704	28,193	27,722	27,286	25,572	24,353	23,214	22,205	21,309	20,509	19,786	19,128	18,524	17,967
$P_{spez}$ [W/cm]	0,000	0,613	1,202	1,771	2,322	2,857	5,355	7,650	9,723	11,626	13,388	15,032	16,575	18,026	19,397	20,695
rpm [min <sup>-1</sup> ]	1200	1300	1400	1440	1500	1600	1700	1800	1900	2000	2200	2400	2600	2800	3000	3200
$M_{spez}$ [Ncm/cm]	17,449	16,966	16,512	16,339	16,086	15,683	15,301	14,938	14,592	14,262	13,644	13,074	12,545	12,052	11,590	11,155
$P_{spez}$ [W/cm]	21,925	23,095	24,207	24,636	25,266	26,275	27,237	28,156	29,032	29,869	31,431	32,856	34,154	35,335	36,408	37,378
rpm [min <sup>-1</sup> ]	3400	3600	3800	4000	-	-	-	-	-	-	-	-	-	-	-	-
$M_{spez}$ [Ncm/cm]	10,744	10,356	9,986	9,63	-	-	-	-	-	-	-	-	-	-	-	-
$P_{spez}$ [W/cm]	38,252	39,037	39,736	40,354	-	-	-	-	-	-	-	-	-	-	-	-

### 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	32	140 mm	32	250 mm
ARAMID	28	120 mm	28	150 mm
STAINLESS	40	180 mm	40	220 mm

### Min. available length

Max width	Execution	
	Standard	PAZ
100 mm	$\geq 1600$ mm	$\geq 1800$ mm