



BELT CHARACTERISTICS

- Polyurethane self tracking timing belt with steel tension cords
- Tooth profile according to ISO 17396
- Profile T5 with central guide - K6 x 4 mm (+0/-1)
- Allow to use pulleys without flanges
- The central guide is notched in order to maximize belt flexibility
- Ideal for conveying applications where a side load is generated by loading/unloading transferring a product

STANDARD TOLERANCES

WIDTH TOLERANCE: $\pm 0,5$ [mm]
 LENGTH TOLERANCE: $\pm 0,5$ [mm/m]
 THICKNESS TOLERANCE: $\pm 0,2$ [mm]

TECHNICAL DATA

Standard steel cord

Belt width b [mm]		32	50	75	100
Allowable tensile load	F_{Tzul} [N]*	1150	1860	2820	3780
Breaking load	F_{Br} [N]	4500	7250	11000	14750
Specific spring rate	C_{spez} [N]	287500	465000	705000	945000
Weight	[kg/m]	0,080	0,130	0,200	0,260

Other widths are available on request

Specialties

Belt width b [mm]		32	50	75	100
ARAMID CORD	F_{Tzul} [N]*	2520	4060	6160	8260
	F_{Br} [N]	10080	16240	24640	33040

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	Guide K6	14	40 mm	15	50 mm
ARAMID	Guide K6	14	40 mm	15	50 mm

Elatech® V Joined informations

Allowable tensile load of joined belt is 50% of M - open end [*]