



PU wide timing belts

Keiper PU wide timing belts are made of abrasion-resistant polyurethane and high-strength aramid cords in widths up to 900mm. These timing belts are specially designed for synchronous transport applications. In view of the production width as well as outstanding mechanical and chemical properties, they can be used for many applications. Moreover, it is possible to use special materials such as, for example, polyurethane that is suitable for contact with foodstuffs or a nylon fabric on the tooth and/or back side.

Properties and special features:

- High-strength aramid tension cords
- Parallel arrangement of tension cords to ensure even distribution of tension
- Form-fit, synchronous running
- Low-noise, high abrasion resistance and flexibility
- High chemical resistance
- Different types of polymers are available, e.g. FDA approved
- Large selection of coatings, profiles/cleats
- Low shaft loading
- High acceleration without slippage
- Easy to clean

Applications:

- As a substitute for transport belts for synchronous positioning
- Applications in the foodstuffs industry
- Sausage, meat and cheese processing
- Conveying bulk goods
- Automatic production processes
- Instead of modular transport belts



General

	WT5	WT10	WH
Tension member	Aramid	Aramid	Aramid
Standard color	blue	transparent / blue	transparent
Min. length -V in mm	1000	1100	1105
Slitting lanes mm		64	63,5
Full roll length in m	100	60	61
Min. no. of teeth without counter flection Zmin	10	14	14
Tension pulley on tooth side dmin mm	30	60	60
Min. no. of teeth with counter flection Zmin	20	20	20
Tension pulley on belt back dmin mm	50	80	80
Polyamide facing on tooth side NT		x	x
Polyamide facing on back side NB		x	x
Polyamide fabric on both sides NTB		x	x
FDA/EU approved (aramid cords)	x	x	x

Technical data

Pitch	Standard width	Max. width	Specific belt weight	Ultimate tensile strength	Allowable belt force open ended	Allowable belt force welded	Allowable effective force
	mm	mm	kg/m/mm	Fbreak (N)	Fzul (N)	Fzul (N)	FUzul
WT5	200	500	0.0025	14800	4200	3150	
WT5	300	500	0.0025	22200	6300	4725	
WT10	150	500	0.0039	21021	3180	2385	7500
WT10	200	500	0.0039	28028	4240	3180	10000
WT10	250	500	0.0039	35574	5300	3975	12500
WT10	300	500	0.0039	42581	6360	4770	15000
WT10	450	500	0.0039	64141	9540	7155	22500
WH	152.4	500	0.0033	21021	3180	2385	8820
WH	203.2	500	0.0033	28028	4240	3180	11760
WH	254	500	0.0033	35574	5300	3975	14700
WH	304.8	500	0.0033	42581	6360	4770	17640
WH	457.2	500	0.0033	64141	9540	7155	26460