Section 2 - Synchronous Belts - Rubber Belts

ISO / CD 17396 / DIN 7721 Part 1

Metric

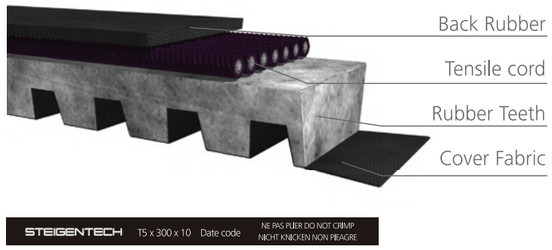
Structure details:

Back Rubber
Ensures cord protection and perfect adhesion, our flexible backing will allow reverse idler drive.

Tensile cord
Glass fiber helically wounded with high strength, our tensile cords ensure pitch form and stability while offering required flexibility and no elongation.

Rubber Teeth
High quality chloroprene compound fiber loaded forms precisely desired teeth, ensures great fatigue resistance

Cover Fabric
Special polyamide fabric to ensure low friction, resistance to abrasion, protects the teeth in their perfecting matching with pulleys, low noise.



Application:
Our classical Trapezoidal Timing belts feature non-slip, no maintenance, no lubrification and no high initial tension allowing their application in various industry fields.
Our Timing belts are suitable from light load drives such as small precision machinery (ie. computing, office automation, sewing machines,…) to medium duty applications (ie. machines tools, washing machines,...) or even some heavier duty applications such as woodworking, paper or printing equipments.

Properties:
Our Classical Trapezoidal Timing Belts have been designated to match the highest European design requirements.

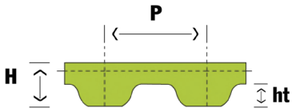
ISO / CD 17396	T2.5	T5	T10	T20	AT5	AT10	AT20
Tensile strength (N/mm)	45	80	270	380	80	270	380
Load (N)	35	60	220	300	60	220	300
Elongation (%)				4.0			
Hardness (Shore A +/- 5°)				75.0			
Adhesion of cloth (N/mm)	4.5	5.0	8.0	10.0	5.0	8.0	10.0
Adhesion of cord (N)	150	200	600	800	200	600	800
Tooth shear strength (N/mm)	40	50	70	75	50	70	75

Temperature range from -30°C up to +80°C
Moderate resistance to common oils, good resistance to heat and cold environment
Low noise, high speed ratio, high belt speed
Meets RoHS and REACH requirements

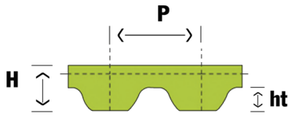
STEIGENTECH

Classical Trapezoidal Tooth

Section Dimensions:



	ISO / CD 17396	T2,5	T5	T10	T20
Tooth	Pitch (mm)	2.5	5.0	10.0	20.0
	Height (mm)	0.7	1.2	2.5	5.0
	Angle (°) +/- 2			40	
	Width (mm)	1.50	2.65	5.30	10.15
	Foot radius (mm)	0.20	0.40	0.60	0.80
	Head radius (mm)	0.20	0.40	0.60	0.80
	Belt Thickness (mm)	1.3	2.2	4.5	8.0
	Belt Weight per meter per 100mm width (Kg/m)	0.11	0.21	0.38	0.41
	Min. crimp (mm)	15	20	40	70
	Teeth range (min-max)	41 - 538	20 - 815	26 - 760	54 - 380
	Pitch length (mm)	102 - 1345	100 - 4075	260 - 7600	1080 - 7600



	ISO / CD 17396	AT5	AT10	AT20
Tooth	Pitch (mm)	5.0	10.0	20.0
	Height (mm)	1.2	2.5	5.0
	Angle (°) +/- 2		50	
	Width (mm)	2.5	5.0	10.0
	Foot radius (mm)	0.86	1.25	2.50
	Head radius (mm)	0.40	0.40	1.75
	Belt Thickness (mm)	2.7	5.0	8.0
	Belt Weight per meter per 100mm width (Kg/m)	0.23	0.42	0.51
	Min. crimp (mm)	15	20	70
	Teeth range (min-max)	45 - 304	50 - 403	50 - 380
	Pitch length (mm)	225 - 1520	500 - 4030	1000 - 7600

Product Codification:

ISO designation:
Possible sections : T2,5, T5/AT5, T10/AT10, T20/AT20

T5 (T-tooth pitch (5 mm)) x 300 (Pitch length (mm)) x 10 (Belt width (mm))

AT20 (AT-tooth pitch (20 mm)) x 1080 (Pitch length (mm)) x 50 (Belt width (mm))