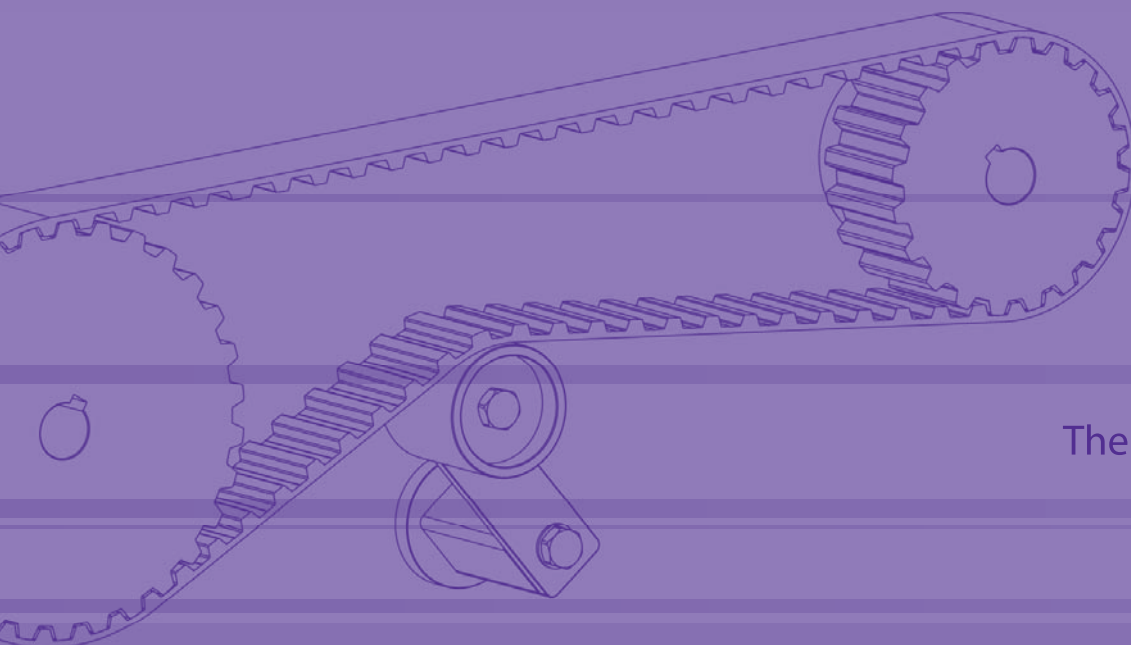
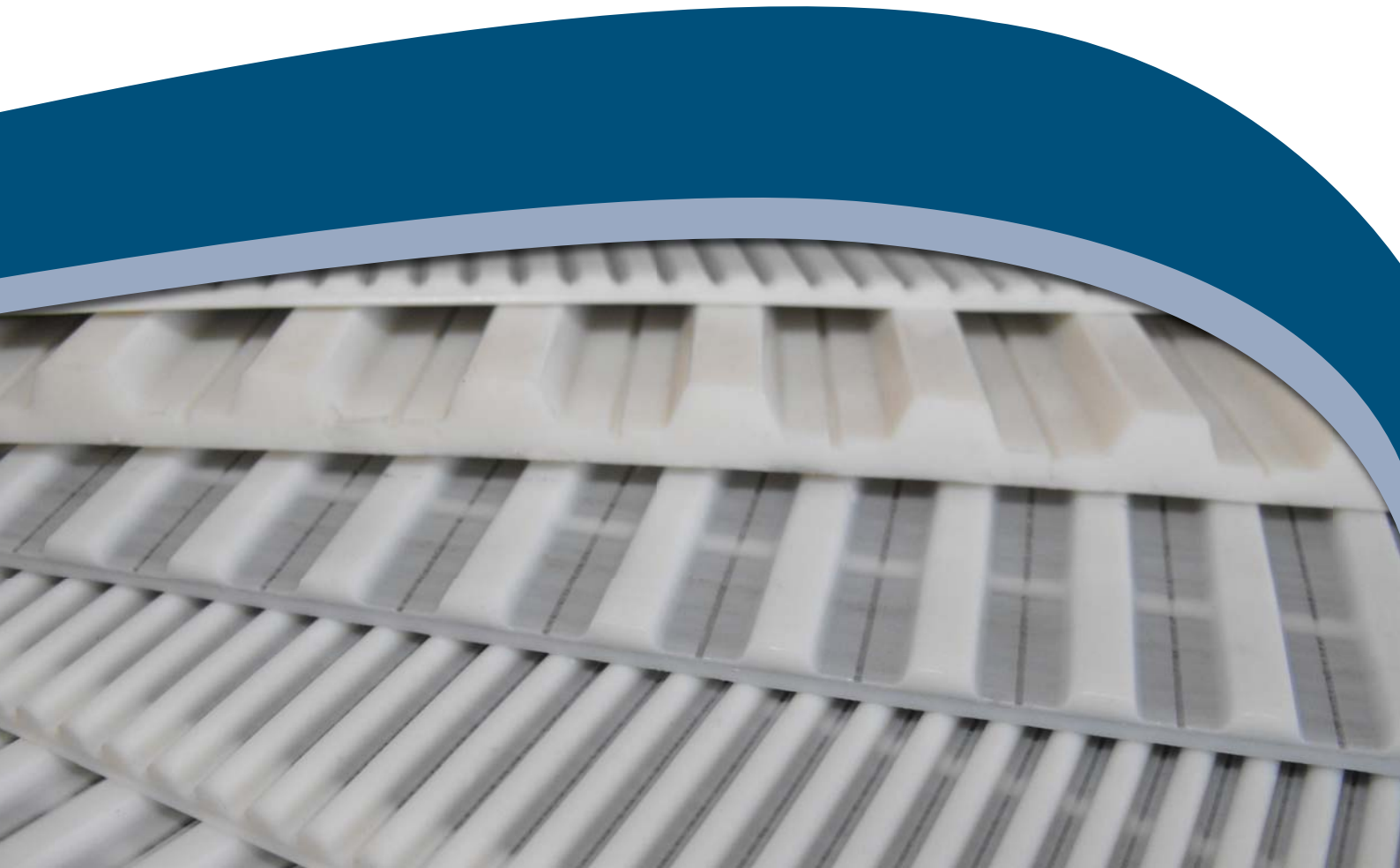




Timing Belts



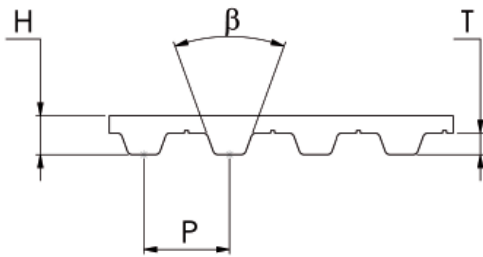
The Next Step in Belting



Timing Belts

“T” Metric Pitch Open-End Toothed Belts

The trapezoidal profile of the belts is considered to be the classical standard timing belt. The pitch has a deeper tooth engagement and tooth meshing is more reliable. “T” belts are designed for high bending stress and standard drive tasks.



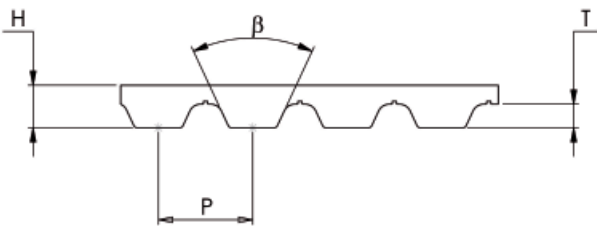
Belt Type	P (mm)	β (°)	T (mm)	H (mm)
T5	5	40	1.2	2.2
T10	10	40	2.5	4.5
T20	20	40	5.0	8.0

Belt Type	Optional Width (mm)											Standard Max Width (mm)	Width Tol. (mm)
	6	10	12	16	20	25	32	50	75	100	150		
T5	*	*	*	*	*	*	*	*	*	*	*	100	± 0.5
T10		*	*	*	*	*	*	*	*	*	*	150	± 0.5
T20						*	*	*	*	*	*	150	± 1.0

* Standard Rolls Length: 50m, 100m.

“AT” Metric Pitch Open-End Toothed Belts

The teeth have a larger tooth volume and stronger tension members. Its design is ideal for linear positioning and motion control. They also enable higher load carrying capacity, low backlash, pitch accuracy and high breaking load.



Belt Type	P (mm)	β (°)	T (mm)	H (mm)
AT5	5	50	1.2	2.7
AT10	10	50	2.5	4.5
AT20	20	50	5.0	8.0

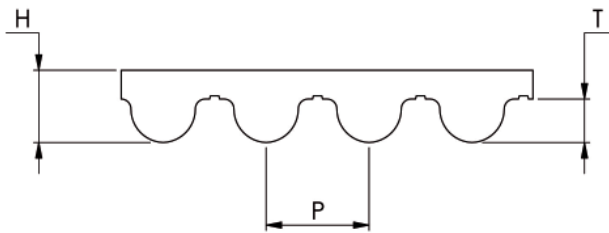
Belt Type	Optional Width (mm)											Standard Max Width (mm)	Width Tol. (mm)
	6	10	12	16	20	25	32	50	75	100	150		
AT5	*	*	*	*	*	*	*	*	*	*	*	100	± 0.5
AT10		*	*	*	*	*	*	*	*	*	*	150	± 0.5
AT20						*	*	*	*	*	*	200	± 1.0

* Standard Rolls Length: 50m, 100m.

Timing Belts

“HTD” Metric Pitch Open-End Toothed Belts

Due to the round tooth desing, these belts show a perfect tooth meshing behavior, optimized force and load distribution. HTD belts are ideal for linear and rotary positioning applications.



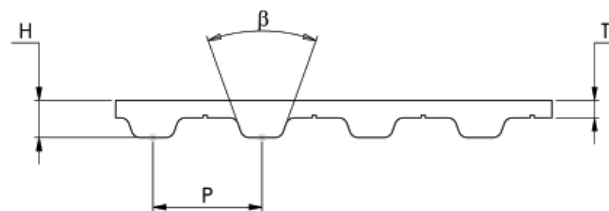
Belt Type	P (mm)	β (°)	T (mm)	H (mm)
HTD5	5	N/A	2.1	3.6
HTD8	8	N/A	3.4	5.6
HTD14	14	N/A	6.1	10

Belt Type	Optional Width (mm)											Standard Max Width (mm)	Width Tol. (mm)
	10	15	20	25	30	40	50	55	85	100	115		
HTD5	*	*	*	*	*		*			*		100	± 0.5
HTD8	*	*	*		*		*		*	*		150	± 0.5
HTD14				*		*		*	*	*	*	200	± 1.0

* Standard Rolls Length: 50m, 100m.

Imperial Pitch Open-End Toothed Belts

The tooth profile of these belts is fairly low and has a large surface area at the tip of the tooth providing good support on sliding conveyor surfaces. The tooth design is similar to the “T” belt series.



Belt Type	P (mm)	β (°)	T (mm)	H (mm)
XL	5.080	50	1.27	2.3
L	9.525	40	1.91	3.6
H	12.700	40	2.29	4.3
XH	22.225	40	6.35	11.2

Belt Type	Optional Width (Inch)											Standard Max Width (Inch)	Width Tol. (Inch)
	0.25	0.31	0.37	0.50	0.75	1.0	1.5	2.0	3.0	4.0	6.0		
XL	*	*	*	*	*	*	*	*				4.0	± 0.02
L			*	*	*	*	*	*				4.0	± 0.02
H				*	*	*	*	*	*	*	*	6.0	± 0.02
XH						*	*	*	*	*	*	6.0	± 0.04

* Standard Rolls Length: 160 ft, 320 ft.

Volta Timing Belts

The open-end timing belts are the perfect choice for applications requiring the greatest degree of flexibility for synchronous conveying and linear positioning. Volta manufactures linear timing belts in a variety of tooth, pitch and length.

Our timing belts are typically sold in open ended lengths and may be supplied endless upon request. The belt is made endless using a Finger Splicing method.

We offer you the perfect package of open end timing belts that include characteristics such as perfectly formed teeth, accurate tooth tolerances and steel cord reinforcement. These special Volta characteristics provide a positive-drive mechanism and accurate product placement.



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