

T5 Steel Linear | PROFILE: T
GENERAL CHARACTERISTICS

T Profile- 5mm Pitch Linear White TPU Timing Belt.
Steel Cords.

TECHNICAL INFORMATION

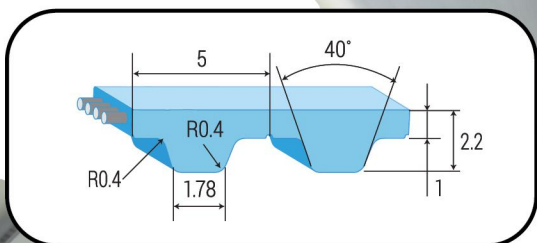
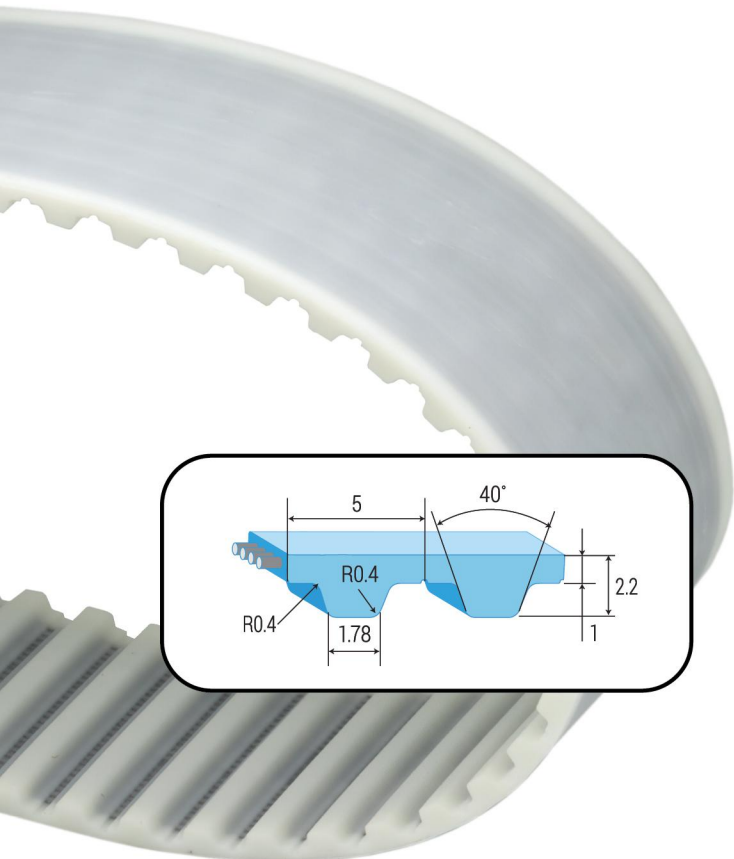
	IMPERIAL	METRIC
Pitch	0.2in	5.00mm
Max. Width	5.91in	150mm
Min. Welded Length	19.69in	500mm
Max. Welded Length	3937.01in	100000mm
Hardness	92	
Material	PU	
Cord	Steel	

TOLERANCE

Length	0.02in	0.50mm
Width	0.02in	0.50mm
Height	0.01in	0.25mm

SPECIFICATIONS

Standard Width (mm)	Weight (gr/m)	Max. Load (N)	Max. Load Welded (N)	Breaking (N)	Elongation (N/mm*m)
10	21	292	146	1170	72
16	34	552	276	2210	136
25	53	910	455	3640	224
32	68	1105	552	4420	272
50	106	1820	910	7280	448
75	160	2730	1365	10920	672
100	210	3640	1820	14560	896
150	320	5460	2730	21840	1344

SPECIAL CHARACTERISTICS


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PULLY TEETH AND IDLER DIAMETER
**No Counter
Flexion**

**With Counter
Flexion**


Requirements for pulleys and tension roller	Min. Number of Teeth	Min. Diameter (mm)	Diameter or Tension Roller
No Counter Flexion	10	15.05	30
With Counter Flexion	15	23.05	30

TOOTH FORCE FOR POWER CALCULATION

Speed (1/min)	0	25	50	75	100	250	500	1000	2000
Tooth Force (N/mm)	2.45	2.36	2.74	2.23	2.12	1.98	1.81	1.63	1.40

TECHNICAL PULLEY DATA

Number of Teeth	Outer Diameter (mm)	Effective Diameter (mm)	Diameter of Flange (mm)
10	15.05	15.95	20
12	18.23	19.01	23
14	21.41	22.28	26
15	23.05	23.87	28
16	24.59	25.46	30
18	27.78	28.65	33
19	29.37	30.24	34
20	30.96	31.83	36
22	34.14	35.01	39

Number of Teeth	Outer Diameter (mm)	Effective Diameter (mm)	Diameter of Flange (mm)
24	37.33	38.20	42
25	38.92	39.79	44
26	40.51	41.38	45
28	43.69	44.56	49
30	46.88	47.75	52
32	50.06	50.93	55
36	56.43	57.30	61
40	62.79	63.66	68
42	65.98	66.85	71

WARNING: This product can expose you to chemicals including titanium dioxide, which is known to the State of California to cause cancer or birth defects or other reproductive harm. For more information visit www.P65WARNINGS.ca.gov

*Because of continuous development above data is subjected to change without prior notice by INO USA. This data replaces that included in previous publications. INO USA excludes any liability for the incorrect use of the above stated information.

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