

AT5 Steel Linear | PROFILE: AT
GENERAL CHARACTERISTICS

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

TECHNICAL INFORMATION

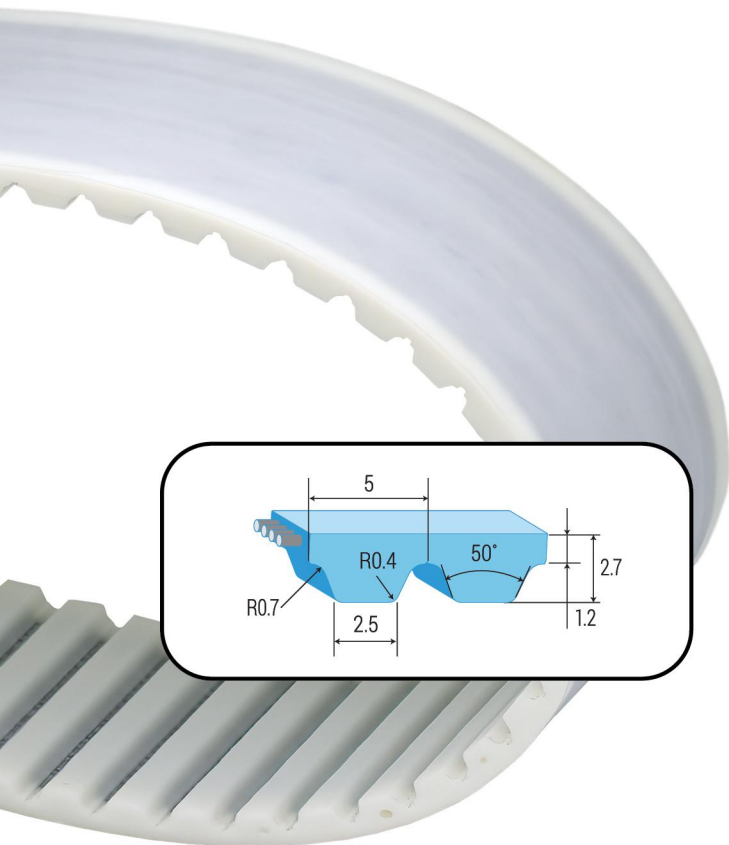
	IMPERIAL	METRIC
Pitch	0.2in	5.00mm
Max. Width	5.91in	150mm
Min. Welded Length	19.69in	500mm
Max. Welded Length	3937.01in	100000mm
Hardness	92	
Material	PU	
Cord	Steel	

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	36	840	420	3360	208
16	57	1470	735	5880	364
25	90	2310	1155	9240	572
32	114	2940	1470	11760	728
50	179	4620	2310	18480	1144
75	269	6930	3465	27720	1716
100	358	9240	4620	39600	2288
150	537	13850	6925	55400	3432

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	15	22.64	30
With Counter Flexion	25	38.56	60

TOOTH FORCE FOR POWER CALCULATION

Speed (1/min)	0	25	50	75	100	250	500	1000	2000
Tooth Force (N/mm)	3.64	3.57	3.5	3.47	3.42	3.25	3.00	2.65	2.24

TECHNICAL PULLEY DATA

Number of Teeth	Outer Diameter (mm)	Effective Diameter (mm)	Diameter of Flange (mm)
15	22.64	23.87	28
16	24.23	25.46	31
18	27.42	28.65	34
19	29.00	30.24	35
20	30.60	31.83	37
22	33.78	35.01	40
24	36.97	38.20	43
25	38.56	39.79	45
26	40.15	41.38	46

Number of Teeth	Outer Diameter (mm)	Effective Diameter (mm)	Diameter of Flange (mm)
27	41.74	42.97	48
28	43.33	44.56	50
30	46.52	47.75	53
32	49.70	50.93	56
36	56.07	57.30	62
40	62.43	63.66	69
42	65.62	65.25	72
44	68.80	70.03	75
48	75.16	76.39	81

⚠ 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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