

**AT10 Steel Linear | PROFILE: AT**
**GENERAL CHARACTERISTICS**

AT Profile- 10mm Pitch Linear White TPU Timing Belt. Steel Cords.

**TECHNICAL INFORMATION**

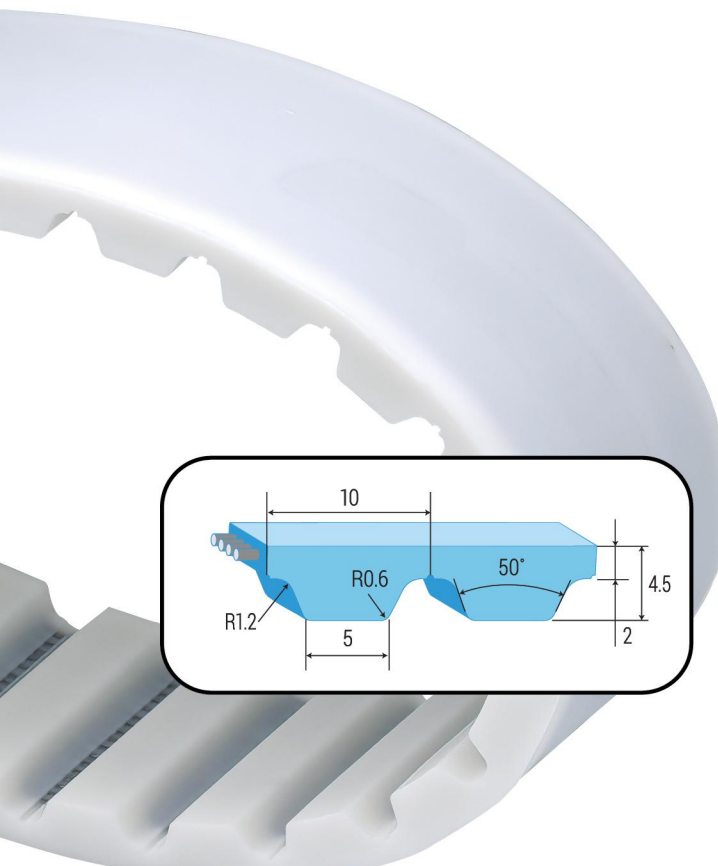
	IMPERIAL	METRIC
Pitch	0.39in	10.00mm
Max. Width	5.91in	150mm
Min. Welded Length	19.69in	500mm
Max. Welded Length	3937.01in	100000mm
Hardness	92	
Material	PU	
Cord	Steel	

**TOLERANCE**

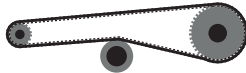
Length	0.02in	0.50mm
Width	0.02in	0.50mm
Height	0.01in	0.30mm

**SPECIFICATIONS**

Standard Width (mm)	Weight (gr/m)	Max. Load (N)	Max. Load Welded (N)	Breaking (N)	Elongation (N/mm*m)
10	61	1425	712	5700	318
16	97	2612	1306	10450	583
25	152	4037	2018	16150	901
32	194	5225	2612	20900	1166
50	303	8075	4037	32300	1166
75	455	12112	6056	48450	2703
100	615	16150	8075	64600	3604
150	910	24225	12112	96900	5406

**SPECIAL CHARACTERISTICS**


**AT10 Steel Linear | PROFILE: AT**
**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	45.90	50
With Counter Flexion	25	77.73	120

**TOOTH FORCE FOR POWER CALCULATION**

Speed (1/min)	0	25	50	75	100	250	500	1000	2000
Tooth Force (N/mm)	7.57	7.43	7.30	7.18	7.08	6.82	5.92	5.08	4.13

**TECHNICAL PULLEY DATA**

Number of Teeth	Outer Diameter (mm)	Effective Diameter (mm)	Diameter of Flange (mm)
15	45.90	47.75	52
16	49.08	50.93	55
18	55.45	57.30	61
19	58.63	60.48	65
20	61.81	63.66	68
22	68.18	70.03	74
24	74.54	76.39	80
25	77.73	79.58	84
26	80.91	82.76	87

Number of Teeth	Outer Diameter (mm)	Effective Diameter (mm)	Diameter of Flange (mm)
27	84.09	85.94	90
28	87.28	89.13	93
30	93.64	95.49	100
32	100.01	101.86	106
36	112.74	114.59	119
40	125.47	127.32	131
44	138.21	140.06	144
48	150.94	152.79	157
60	189.14	190.99	195

**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](http://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.

RELEASED 02/01/2021