



# PU Moulded T10 -560 Steel

Article code: TBUM000123

## General information

<b>Productgroup</b>	Timing belts, PU Moulded
<b>Industry segment</b>	General industry; Container & packaging; Wood: Panel board
<b>Main product feature</b>	Positive drive, Non-marking, Wear resistant

## Belt construction

<b>Tension member</b>	steel
<b>Material</b>	<b>body</b> Polyurethane
<b>Surface</b>	<b>tooth side</b> Polyurethane <b>back side</b> Polyurethane

## Characteristics

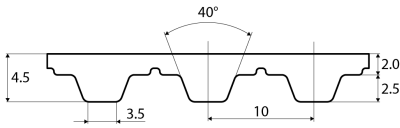
<b>Food Grade (FG)</b>	no
<b>Anti-static (AS)</b>	no
<b>Oil &amp; Fat resistance</b>	Good

## Technical data

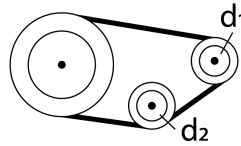
<b>Tooth</b>	profile		T10	
	pitch		10 mm	0.39 in.
<b>Hardness body material</b>	according to ISO 868		85A Shore	
<b>Belt thickness</b>			4.5 mm	0.18 in.
<b>Belt weight</b>			4.8 kg/m <sup>2</sup>	0.98 lbs/ft <sup>2</sup>
<b>Coefficient of friction</b>	tooth side to steel	dynamic	0.5	
<b>Operating temperature</b>	continuous	from/to	-30 / 80 °C	-22 / 176 °F
<b>Minimum pulley diameter</b>	A) without counter flexing	number of teeth, t1	12	
		d1	36.35 mm	1.43 in.
		d2	60 mm	2.36 in.
	B) with counter flexing	number of teeth, t1	20	
		d1	61.81 mm	2.43 in.
		d2	60 mm	2.36 in.
<b>Belt width</b>	maximum		400 mm	15.75 in.
<b>Belt length</b>			560 mm	22.05 in.

## Reference images

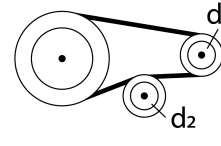
### Side view



### A) without counter flexing



### B) with counter flexing



## Fabrication

This information on the fabrication options is general, please contact Ammeraal Beltech to inquire for the specific fabrication possibilities of the timing belt of your choice.

Cleats welded or mechanically attached, metal teeth, guides welded or glued.

Covers can be welded, glued, coated or vulkanized onto the back side of the timing belt.

Thermoplastic covers can be embossed.

Perforations, lateral and longitudinal slots, lateral and longitudinal profiles.

## Additional Information

Tooth profile according to standard: metric ISO 17396 , imperial ISO 5296-1, curvilinear ISO 13050, depending on the belt type.

This sheet contains typical values, which apply to a temperature of approx. 20 °C (68 °F) unless otherwise stated, individual data may differ.

Consult our specialists for further information like technical calculations. Instructions regarding joining, storage & maintenance and tracking & tensioning.

## Belt length

Belt length [mm]	Belt length [inch]	Number of teeth	Belt length [mm]	Belt length [inch]	Number of teeth
Belt length [mm]	Belt length [inch]	Number of teeth	Belt length [mm]	Belt length [inch]	Number of teeth
260	10.236	26	910	35.827	91
340	13.386	34	920	36.220	92
370	14.567	37	950	37.402	95
390	15.354	39	960	37.795	96
400	15.748	40	970	38.189	97
410	16.142	41	980	38.583	98
440	17.323	44	1010	39.764	101
450	17.717	45	1080	42.520	108
480	18.898	48	1110	43.701	111
500	19.685	50	1140	44.882	114
530	20.866	53	1150	45.276	115
550	21.654	55	1210	47.638	121
560	22.047	56	1240	48.819	124
600	23.622	60	1250	49.213	125
610	24.016	61	1300	51.181	130
630	24.803	63	1320	51.969	132
650	25.591	65	1350	53.150	135
660	25.984	66	1390	54.724	139
680	26.772	68	1400	55.118	140
690	27.165	69	1420	55.906	142
700	27.559	70	1450	57.087	145
720	28.346	72	1460	57.480	146
730	28.740	73	1500	59.055	150
750	29.528	75	1560	61.417	156
780	30.709	78	1610	63.386	161
810	31.890	81	1750	68.898	175
840	33.071	84	1780	70.079	178
850	33.465	85	1880	74.016	188
880	34.646	88	1960	77.165	196
890	35.039	89	2250	88.583	225
900	35.433	90			

## Belt pulleys

Number of teeth	outer Ø [mm]	Effective Ø [mm]	Ø with flanges [mm]	Max. bore [mm]
12	36.35	38.20	42	24
13	39.53	41.38	45	26
14	42.71	44.56	49	30
15	45.90	47.75	52	34
16	49.08	50.93	55	36
17	52.26	54.11	58	40
18	55.45	57.30	61	44
19	58.63	60.48	65	46
20	61.81	63.66	68	50
21	65.00	66.85	71	52
22	68.18	70.03	74	56
23	71.36	73.21	77	60
24	74.54	76.39	80	62
25	77.73	79.58	84	66
26	80.91	82.76	87	68
27	84.09	85.94	90	72
28	87.28	89.13	93	76
29	90.46	92.31	96	78
30	93.64	95.49	100	82
31	96.83	98.68	103	84
32	100.01	101.86	106	88
33	103.19	105.04	109	88
34	106.38	108.23	112	92
35	109.56	111.41	115	96
36	112.74	114.59	119	98
37	115.92	117.77	122	101
38	119.11	120.96	125	104
39	122.29	124.14	128	106
40	125.47	127.32	131	110
41	128.66	130.51	135	110
42	131.84	133.69	138	112
43	135.02	136.87	141	114
44	138.21	140.06	144	118
45	141.39	143.24	147	120
46	144.57	146.42	150	122
47	147.76	149.61	154	122
48	150.94	152.79	157	124
49	154.12	155.97	160	126
50	157.31	159.16	163	130
51	160.49	162.34	166	134
52	163.67	165.52	170	136
53	166.85	168.70	173	140
54	170.04	171.89	176	144
55	173.22	175.07	179	146
56	176.40	178.25	182	150
57	179.59	181.44	185	152
58	182.77	184.62	189	156
59	185.95	187.80	192	160
60	189.14	190.99	195	162
61	192.32	194.17	198	164
62	195.50	197.35	201	166
63	198.69	200.54	205	170
64	201.87	203.72	208	171
65	205.05	206.90	211	174
66	208.23	210.08	214	175

### Standard

Number of teeth	outer Ø [mm]	Effective Ø [mm]	Ø with flanges [mm]	Max. bore [mm]
67	211.42	213.27	217	177
68	214.60	216.45	221	181
69	217.78	219.63	224	185
70	220.97	222.82	227	187
71	224.15	226.00	230	191
72	227.33	229.18	233	193
73	230.52	232.37	236	197
74	233.70	235.55	240	201
75	236.88	238.73	243	203
76	240.07	241.92	246	207
77	243.25	245.01	249	209
78	246.43	248.28	252	213
79	249.61	251.46	256	215
80	252.80	254.65	259	219
81	255.98	257.83	262	223
82	259.16	261.01	265	225
83	262.35	264.20	268	229
84	265.53	267.38	271	231
85	268.71	270.56	275	235
86	271.90	273.75	278	239
87	275.08	276.93	281	241
88	278.26	280.11	284	245
89	281.45	283.30	287	247
90	284.63	286.48	291	251
91	287.81	289.66	294	255
92	291.00	292.85	297	257
93	294.18	296.03	300	261
94	297.36	299.21	303	263
95	300.54	302.39	306	267
96	303.73	305.58	310	269
97	306.91	308.76	313	273
98	310.09	311.94	316	279
99	313.28	315.13	319	283
100	316.46	318.31	322	285
101	319.64	321.49	326	289
102	322.83	324.68	329	293
103	326.01	327.86	332	295
104	329.19	331.04	335	299
105	332.38	334.23	338	301
106	335.56	337.41	341	305
107	338.74	340.59	345	309
108	341.92	343.77	348	311
109	345.11	346.96	351	315
110	348.29	350.14	354	317
111	351.47	353.32	357	321
112	354.66	356.51	361	323
113	357.84	359.69	364	327
114	361.02	362.87	367	330
115	364.21	366.06	370	333
116	367.39	369.24	373	336
117	370.57	372.42	376	340
118	373.76	375.61	380	344
119	376.94	378.79	383	348
120	380.12	381.97	386	354

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