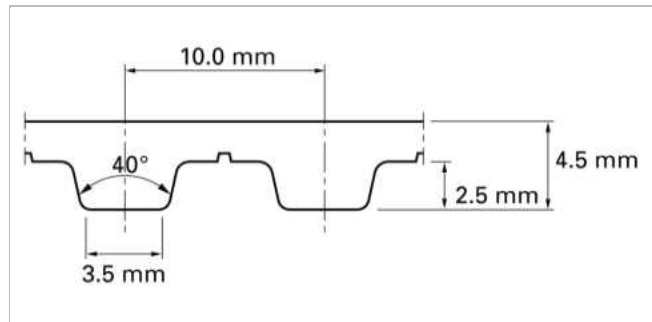
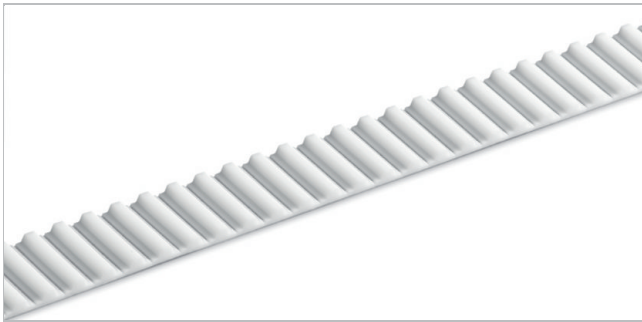


## Description

Metric, T shape, Standard trapezoidal, 10 mm pitch, Highly flexible steel cord



Sketch of basic shape

## Product Construction / Design

Material Type	Color	Hardness	Temperature range				Food grade <sup>1</sup>	Characteristic
			°C	°F	°C	°F		
12	Transparent	92	-40	-40	80	176	Yes	TPO
01	White	92	-20	-4	80	176	No	TPU - polyester
05	Cobalt blue	90	-30	-22	80	176	Yes	TPU - polyether
16	Transparent	85	-30	-22	80	176	Yes	TPU - polyester
22	Transparent	90	-20	-4	70	158	Yes	TPU - polyester
06	Black	92	-20	-4	80	176	No	TPU - polyester

<sup>(1)</sup> This product is in compliance with relevant EU and/or US food contact requirements. Check the following link for detailed information [Documents of Compliance](#)

## Standard belt options - Conveying side

Unprocessed (U)

## Standard belt options - Teeth side

Unprocessed (U), Green polyamide fabric (P), Antistatic black polyamide fabric (A)<sup>(2)</sup>

<sup>(2)</sup> Fulfills ISO 9563

Belt slitting width, nominal		Admissible tensile force, truly endless belt		Ultimate tensile strength		Tensile force for 1% elongation		Mass of belt (belt weight)	
mm	inch	N	lbf	N	lbf	N	lbf	kg/m	lb/ft
50.0	2.0	4730	1063	19640	4415	11820	2657	0.24	0.16

Maximum belt width (150 mm / 6 inch).

Belt versions with increased thickness are available on request. Please consider larger minimum pulley diameters.

**The admissible tensile force** always corresponds with a belt elongation of 0.4%. Joined belts are calculated with half admissible force. Please contact Habasit for detailed information and calculations.

[Link to JDS:](#)

## Unit load table

RPM	F <sub>i</sub>	M <sub>i</sub>	P <sub>i</sub>	RPM	F <sub>i</sub>	M <sub>i</sub>	P <sub>i</sub>	RPM	F <sub>i</sub>	M <sub>i</sub>	P <sub>i</sub>
[min <sup>-1</sup> ]	[N/cm]	[Nm/cm]	[W/cm]	[min <sup>-1</sup> ]	[N/cm]	[Nm/cm]	[W/cm]	[min <sup>-1</sup> ]	[N/cm]	[Nm/cm]	[W/cm]
0	51.15	0.0814	0.000	1200	29.76	0.0474	5.952	3600	20.99	0.0334	12.594
20	49.66	0.0790	0.165	1300	29.14	0.0464	6.312	3800	20.44	0.0327	13.009
40	48.37	0.0770	0.322	1400	28.60	0.0455	6.662	4000	20.13	0.0320	13.407
60	47.26	0.0752	0.472	1500	28.02	0.0446	7.006	4500	19.16	0.0305	14.360
80	46.33	0.0737	0.617	1600	27.51	0.0438	7.338	5000	18.29	0.0291	15.217
100	45.46	0.0723	0.757	1700	27.07	0.0430	7.656	5500	17.49	0.0278	16.023
200	42.08	0.0670	1.403	1800	26.59	0.0423	7.971	6000	16.78	0.0267	16.770
300	39.69	0.0632	1.983	1900	26.17	0.0416	8.274	6500	16.11	0.0257	17.460
400	37.78	0.0601	2.517	2000	25.76	0.0410	8.579	7000	15.50	0.0247	18.066
500	36.25	0.0577	2.954	2200	24.97	0.0398	9.156	7500	14.92	0.0237	18.635
600	34.95	0.0556	3.019	2400	24.27	0.0387	9.708	8000	14.38	0.0229	19.178
700	33.83	0.0539	3.948	2600	23.64	0.0376	10.238	8500	13.87	0.0220	19.607
800	32.87	0.0523	4.377	2800	23.03	0.0367	10.752	9000	13.40	0.0213	20.063
900	31.97	0.0509	4.791	3000	22.49	0.0358	11.234	9500	12.95	0.0206	20.467
1000	31.17	0.0496	5.193	3200	21.98	0.0350	11.707	10000	12.52	0.0199	20.864
1100	30.45	0.0484	5.576	3400	21.57	0.0341	12.134				

Technical data					
ØB		n <sub>B</sub>	ØA		n <sub>A</sub>
mm	inch		mm	inch	
50	1.96	12	50	1.96	12



All data are approximate values under **standard climatic conditions**: 23 °C / 73 °F, 50% relative humidity (DIN 50005 / ISO 554), and are based on the Master Joining Method.

Limited representative testing based on a standard configuration is carried out to estimate minimum pulley diameters. Please contact Habasit for specific guidance regarding non-standard applications, including, but not exclusively, when profiles or cleats are used, or if the belt working temperature is close to the limits listed in this document.

### Disclaimer

#### Product Application Disclaimer (valid for ALL Habasit products and mentioned on all PDS)

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