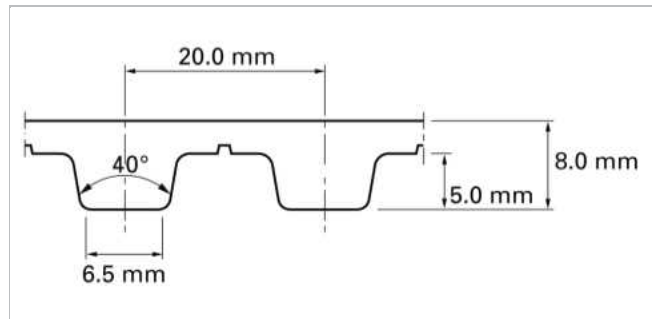
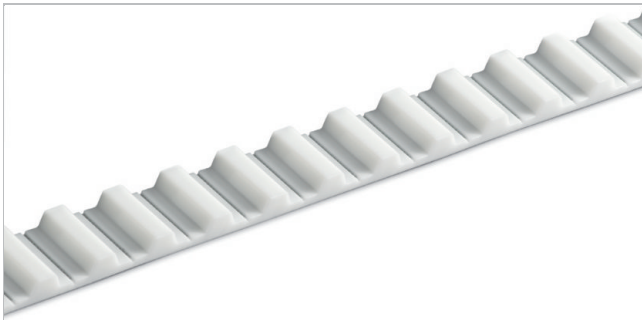


## Description

Metric, T shape, Standard trapezoidal, 20 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		
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	6160	1385	31220	7019	18570	4175	0.38	0.26

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	103.00	0.3278	0.000	1000	57.76	0.1839	19.247	2800	39.59	0.1259	36.908
20	99.60	0.3169	0.663	1100	56.12	0.1787	20.572	3000	38.30	0.1219	38.277
40	96.73	0.3077	1.288	1200	54.66	0.1739	21.842	3200	37.15	0.1182	39.586
60	94.19	0.2996	1.881	1300	53.25	0.1695	23.057	3400	36.03	0.1147	40.797
80	92.03	0.2931	2.454	1400	51.94	0.1654	24.230	3600	35.00	0.1113	41.941
100	90.06	0.2865	2.998	1500	50.72	0.1615	25.352	3800	34.00	0.1082	43.014
200	82.35	0.2624	5.492	1600	49.59	0.1578	26.432	4000	33.07	0.1052	44.032
300	76.87	0.2449	7.689	1700	48.55	0.1545	27.482	4500	30.86	0.0983	46.277
400	72.65	0.2315	9.690	1800	47.53	0.1512	28.488	5000	28.92	0.0921	48.193
500	69.18	0.2203	11.531	1900	46.54	0.1482	29.462	5500	27.17	0.0865	49.789
600	66.29	0.2111	13.256	2000	45.62	0.1452	30.396	6000	25.55	0.0814	51.097
700	63.76	0.2030	14.873	2200	43.90	0.1398	32.188	6500	24.09	0.0766	52.110
800	61.53	0.1959	16.403	2400	42.36	0.1348	33.863				
900	59.57	0.1896	17.859	2600	40.92	0.1302	35.432				

Technical data					
ØB		n <sub>B</sub>	ØA		n <sub>A</sub>
mm	inch		mm	inch	
120	4.72	15	120	4.72	25



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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