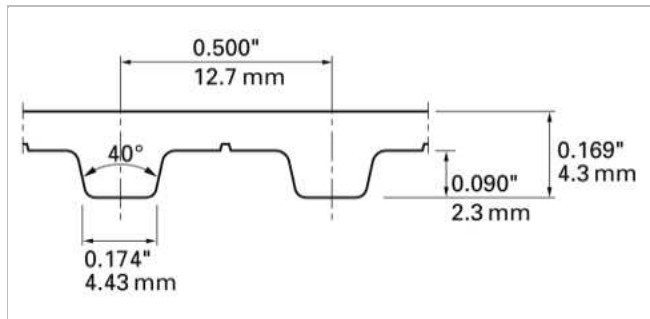
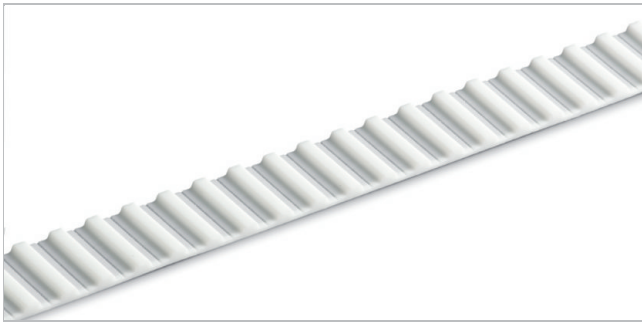


Description

0.5" pitch, Imperial, T shape, Standard trapezoidal, Highly flexible steel cord



Sketch of basic shape

Product Construction / Design

Material Type	Color	Hardness	Temperature range				Food grade ¹	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

⁽¹⁾ 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)⁽²⁾

⁽²⁾ Fulfills ISO 9563

Technical data

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
50.8	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 _i	M _i	P _i	RPM	F _i	M _i	P _i	RPM	F _i	M _i	P _i
[min ⁻¹]	[N/cm]	[Nm/cm]	[W/cm]	[min ⁻¹]	[N/cm]	[Nm/cm]	[W/cm]	[min ⁻¹]	[N/cm]	[Nm/cm]	[W/cm]
0	44.65	0.090	0.000	1200	25.96	0.052	6.586	3600	18.28	0.037	13.924
20	43.33	0.088	0.183	1300	25.43	0.051	6.984	3800	17.90	0.036	14.383
40	42.19	0.085	0.357	1400	24.93	0.050	7.373	4000	17.54	0.035	14.837
60	41.24	0.083	0.523	1500	24.44	0.049	7.753	4500	16.69	0.034	15.876
80	40.34	0.082	0.683	1600	24.01	0.048	8.118	5000	15.93	0.032	16.840
100	39.61	0.080	0.837	1700	23.55	0.048	8.477	5500	15.24	0.031	17.744
200	36.66	0.074	1.551	1800	23.20	0.047	8.824	6000	14.61	0.029	18.534
300	34.59	0.070	2.195	1900	22.81	0.046	9.158	6500	14.03	0.028	19.300
400	32.96	0.067	2.787	2000	22.42	0.045	9.488	7000	13.49	0.027	19.975
500	31.58	0.064	3.343	2200	21.79	0.044	10.132	7500	12.99	0.026	20.605
600	30.45	0.062	3.867	2400	21.17	0.043	10.743	8000	12.53	0.025	21.196
700	29.51	0.060	4.369	2600	20.59	0.042	11.331	8500	12.09	0.024	21.715
800	28.62	0.058	4.848	2800	20.08	0.040	11.884	9000	11.67	0.024	22.206
900	27.88	0.056	5.304	3000	19.59	0.040	12.434	9500	11.27	0.023	22.639
1000	27.18	0.055	5.745	3200	19.13	0.039	12.953	10000	10.90	0.022	23.051
1100	26.55	0.054	6.175	3400	18.69	0.038	13.444				

Technical data					
ØB		n _B	ØA		n _A
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)

This disclaimer is made by and on behalf of Habasit and its affiliated companies, directors, employees, agents and contractors (hereinafter collectively "HABASIT") with respect to the products referred to herein (the "Products"). SAFETY WARNINGS SHOULD BE READ CAREFULLY AND ANY RECOMMENDED SAFETY PRECAUTIONS BE FOLLOWED STRICTLY! Please refer to the Safety Warnings herein, in the Habasit catalogue as well as installation and operating manuals. All indications / information as to the application, use and performance of the Products are recommendations provided with due diligence and care, but no representations or warranties of any kind are made as to their completeness, accuracy or suitability for a particular purpose. The data provided herein are based on laboratory application with small-scale test equipment, running at standard conditions, and do not necessarily match product performance in industrial use. New knowledge and experience may lead to re-assessments and modifications within a short period of time and without prior notice. EXCEPT AS EXPLICITLY WARRANTED BY HABASIT, WHICH WARRANTIES ARE EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, THE PRODUCTS ARE PROVIDED "AS IS". HABASIT DISCLAIMS ALL OTHER WARRANTIES, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, NON-INFRINGEMENT, OR ARISING FROM A COURSE OF DEALING, USAGE, OR TRADE PRACTICE, ALL OF WHICH ARE HEREBY EXCLUDED TO THE EXTENT ALLOWED BY APPLICABLE LAW. BECAUSE CONDITIONS OF USE IN INDUSTRIAL APPLICATION ARE OUTSIDE OF HABASIT'S CONTROL, HABASIT DOES NOT ASSUME ANY LIABILITY CONCERNING THE SUITABILITY AND PROCESS ABILITY OF THE PRODUCTS, INCLUDING INDICATIONS ON PROCESS RESULTS AND OUTPUT.