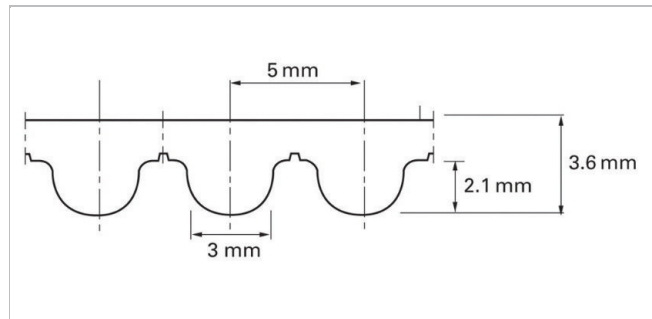
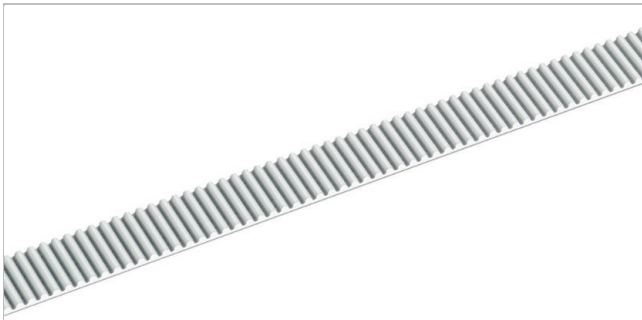


Description

Metric, HTD shape, Curvilinear, 5 mm pitch, Aramid 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
50.0	2.0	3160	710	14900	3350	5170	1162	0.22	0.15

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 0.6%. 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	35.76	0.028	0.000	1000	25.35	0.020	2.111	2800	19.24	0.015	4.482
20	35.24	0.028	0.059	1100	24.83	0.020	2.273	3000	18.78	0.015	4.691
40	34.79	0.028	0.116	1200	24.36	0.019	2.435	3200	18.36	0.015	4.893
60	34.30	0.027	0.171	1300	23.90	0.019	2.588	3400	17.97	0.014	5.083
80	33.90	0.027	0.226	1400	23.49	0.019	2.738	3600	17.59	0.014	5.271
100	33.62	0.027	0.279	1500	23.10	0.018	2.887	3800	17.21	0.014	5.446
200	32.18	0.026	0.536	1600	22.71	0.018	3.023	4000	16.87	0.013	5.618
300	29.95	0.024	0.749	1700	22.35	0.018	3.166	4500	16.06	0.013	6.020
400	29.23	0.023	0.974	1800	22.01	0.017	3.301	5000	15.33	0.012	6.391
500	28.48	0.023	1.187	1900	21.68	0.017	3.431	5500	14.68	0.012	6.723
600	27.76	0.022	1.387	2000	21.35	0.017	3.557	6000	14.06	0.011	7.031
700	27.09	0.022	1.579	2200	20.78	0.016	3.808	6500	13.51	0.010	7.317
800	26.47	0.021	1.765	2400	20.22	0.016	4.043				
900	25.89	0.021	1.942	2600	19.71	0.016	4.266				

Technical data					
ØB		n _B	ØA		n _A
mm	inch		mm	inch	
50	1.97	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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