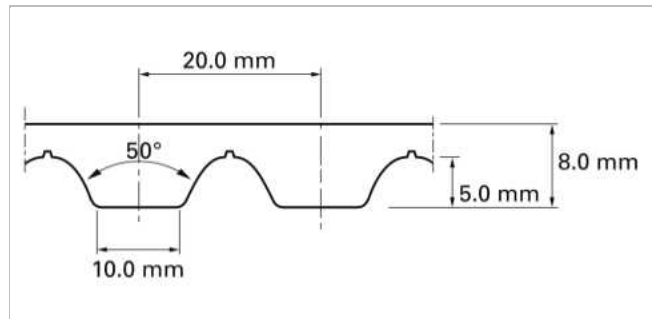
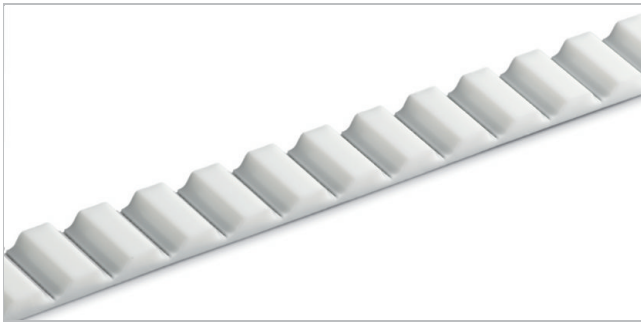


Description

Metric, AT shape, Modified trapezoidal, 20 mm pitch, (Standard) 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

| 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 | 10080 | 2266 | 34730 | 7808 | 24960 | 5611 | 0.60 | 0.40 |

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 | 149.20 | 0.4750 | 0.000 | 1000 | 89.57 | 0.2849 | 29.817 | 2800 | 56.06 | 0.1784 | 52.269 |
| 20 | 146.38 | 0.4659 | 0.975 | 1100 | 86.69 | 0.2757 | 31.739 | 3000 | 53.65 | 0.1708 | 53.615 |
| 40 | 143.80 | 0.4577 | 1.916 | 1200 | 83.96 | 0.2673 | 33.572 | 3200 | 51.41 | 0.1636 | 54.803 |
| 60 | 141.34 | 0.4497 | 2.824 | 1300 | 81.49 | 0.2593 | 35.274 | 3400 | 49.29 | 0.1569 | 55.817 |
| 80 | 139.01 | 0.4424 | 3.704 | 1400 | 79.14 | 0.2519 | 36.914 | 3600 | 47.27 | 0.1505 | 56.716 |
| 100 | 136.84 | 0.4354 | 4.557 | 1500 | 76.91 | 0.2449 | 38.440 | 3800 | 45.40 | 0.1444 | 57.447 |
| 200 | 127.62 | 0.4060 | 8.498 | 1600 | 74.80 | 0.2380 | 39.851 | 4000 | 43.58 | 0.1387 | 58.050 |
| 300 | 120.39 | 0.3831 | 12.029 | 1700 | 72.85 | 0.2318 | 41.239 | 4500 | 39.36 | 0.1254 | 59.043 |
| 400 | 114.18 | 0.3636 | 15.220 | 1800 | 70.94 | 0.2257 | 42.524 | 5000 | 35.60 | 0.1134 | 59.334 |
| 500 | 108.83 | 0.3463 | 18.121 | 1900 | 69.18 | 0.2203 | 43.816 | 5500 | 32.21 | 0.1025 | 58.973 |
| 600 | 104.11 | 0.3316 | 20.822 | 2000 | 67.46 | 0.2146 | 44.915 | 6000 | 29.07 | 0.0925 | 58.067 |
| 700 | 99.91 | 0.3182 | 23.315 | 2200 | 64.29 | 0.2044 | 47.064 | 6500 | 26.15 | 0.0867 | 58.992 |
| 800 | 96.12 | 0.3061 | 25.627 | 2400 | 61.34 | 0.1952 | 49.030 | | | | |
| 900 | 92.72 | 0.2950 | 27.787 | 2600 | 58.60 | 0.1865 | 50.741 | | | | |

| Technical data | | | | | |
|----------------|------|----------------|-----|------|----------------|
| ØB | | n _B | ØA | | n _A |
| mm | inch | | mm | inch | |
| 120 | 4.72 | 18 | 180 | 7.09 | 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.

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