

Heavy Conveyor Belts

UM140HMBBS-B



Main industry segments

Airport, Distribution centers, Metal sheets and components, Parcel distribution / Overnight carrier

Applications

Blanking belt, Live roller drive belt, Outfeed belt, Powerturn belt, Transfer belt, Loading/Unloading belt

Special features

Abrasion resistant on both sides, Antistatic, Chemical resistant, Cut resistant, Dimensionally stable, Edges wear resistant, Excellent tracking, Flexibility in all directions, Good lace retention, High strength, Humidity resistant, Impact resistant, Low friction conveying side, Low friction running side, Low noise applications suitable, No delamination, Non fraying, Non-marking, Oil resistant, Ozone resistant, Reverse bending, Static conductive



| Product Construction / Design | |
|-------------------------------|------------------------|
| Conveying side material | Polyester (PET) fleece |
| Conveying side surface | Buffed finish |
| Conveying side property | Non-adhesive |
| Conveying side color | Black |
| Traction layer (material) | Polyester (PET) scrim |
| Number of Fabrics | 1 |
| Pulley side material | Polyester (PET) fleece |
| Pulley side surface | Buffed finish |
| Pulley side property | Non-adhesive |
| Pulley side color | Black |

| Product characteristics | |
|--|--|
| Antistatically equipped | Yes - fulfills EN 12882 / Catégorie 1 |
| Adhesive free joining method | Yes |
| Flammability | No specific flammability prevention property |
| Food suitability, FDA conformance | No |
| Food suitability, USDA recommendations | No use intended |
| Food suitability, EU conformance | No |

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| Technical data | | | |
|---|------|-------------------|---------------|
| Thickness of belt | 3.7 | mm | 0.15 inch |
| Mass of belt (belt weight) | 2.2 | kg/m ² | 0.450 lb/sqft |
| Tensile force for 1% elongation (k1% static) per unit of width (Habasit standard SOP3-155) | 20 | N/mm | 115 lbf/in |
| Tensile force for 1% elongation after relaxation (k1% relaxed) per unit of width (Habasit Standard SOP3-155 / EN ISO 21181) | 7.5 | N/mm | 43 lbf/in |
| Min. operating temperature admissible (continuous) | -12 | °C | 10 °F |
| Max. operating temperature admissible (continuous) | 80 | °C | 176 °F |
| Coefficient of friction (pulley side / steel driving pulley) | 0.25 | - | |
| Coefficient of friction (pulley side / driving pulley with friction cover) | 0.35 | - | |
| Coefficient of friction (pulley side / pickled steel slider bed) | 0.30 | - | |
| Coefficient of friction (pulley side / phenolic resin slider bed) | 0.25 | - | |
| Coefficient of friction (pulley side / stainless steel slider bed) | 0.25 | - | |
| Seamless manufacturing width | 1829 | mm | 72.00 inch |
| On request other seamless manufacturing width | 1524 | mm | 60 inch |

Joining related properties

| Joining method | |
|-------------------|---|
| Clipper #2 SP | Master joining method for standard applications |
| Flexproof 10 x 80 | Optional joining method |

[Link to JDS:](#)

| Joining method | | Clipper #2 SP | Flexproof 10 x 80 |
|---|----------------|---------------|-------------------|
| Pulley diameter (minimum) | mm inch | 50 1.97 | 51 2.00 |
| Pulley diameter minimum with counter flection | mm inch | 64 2.50 | 51 2.00 |
| Admissible tensile force per unit of width | N/mm lbf/in | 6.3 36 | 24 137 |
| Slider bed suitable | | Yes | Yes |
| Carrying rollers suitable | | Yes | Yes |
| Troughed installation suitable | | No | Yes |
| Powerturns / curved installations | | No | Yes |
| Knife-edge (nosebar) suitable | | No | No |
| Metal detector suitable | | No | No |

All data are approximate values under standard climatic conditions: 23°C/73°F, 50% relative humidity (DIN 50005/ISO 554). 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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Chemical resistance

Link to 'Chemical resistance information': <https://rims.habasit.com>

Mode of use or conveyance

Accumulation, Curved, Discharge, Diverting, Horizontal, Live roller drive, Side loading

Calculations

For most applications calculation is not required. Should you still need a calculation: please ask Habasit.

Recommendation

Install the slack belt and tension until running perfectly under the full belt load

Store spare belts in a cool and dry place and if possible in their original packaging. Protect spare belts from sunlight/UV-radiation/dust/dirt! Check Link for Storage requirements:

["https://tdm.habasit.com/pds/en-us/Storage%20of%20Habasit%20material.pdf"](https://tdm.habasit.com/pds/en-us/Storage%20of%20Habasit%20material.pdf)

| | |
|-------------|----------------------------------|
| Group | Nonwoven Belts |
| Sub-Group | Rubber Saturated Ulti-Mate Belts |
| Item number | H250000532 |

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