

# Heavy Conveyor Belts

## UMS140HMBBS-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 / Categorie 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 <sup>2</sup>	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

Protect belts from sunlight/UV-radiation/dust and dirt. Store spare belts in a cool and dry place and if possible in their original packaging. 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	H250000401

### Disclaimer

#### Product Application Disclaimer (valid for ALL Habasit products and mentioned on all PDS)

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