

# Heavy Conveyor Belts

## UMSPH150LR



### Main industry segments

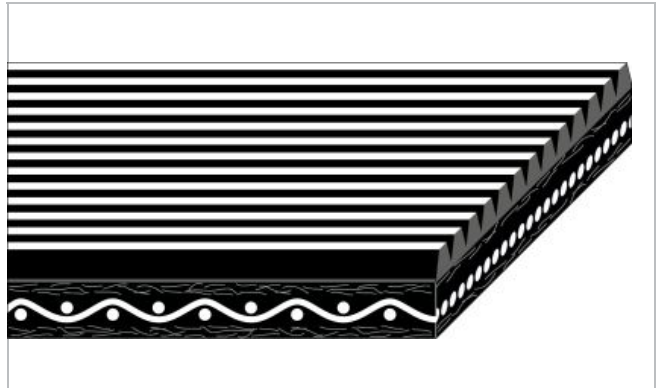
Airport, Distribution centers, Parcel distribution / Overnight carrier

### Applications

Acceleration belt, Decline belt, Incline belt

### Special features

Absorption of shock loads, Antistatic, Bi-directional suitable, Constant and gentle positive grip, Edges wear resistant, Excellent tracking, High coefficient of friction surface, Low friction running side, No delamination, Super grip surface



Product Construction / Design	
Conveying side material	Polyvinylchloride (PVC)
Conveying side surface	Longitudinal groove structure
Conveying side property	Super-adhesive
Conveying side color	Black
Traction layer (material)	Polyester (PET) scrim
Number of Fabrics	1
Pulley side material	Nonwoven (fleece)
Pulley side surface	Impregnated fleece
Pulley side property	Non-adhesive
Pulley side color	Black

Product characteristics	
Antistatically equipped	Yes
Food suitability, FDA conformance	No
Food suitability, USDA recommendations	No use intended
Food suitability, EU conformance	No

# Heavy Conveyor Belts

## UMSPH150LR



Technical data			
Thickness of belt	4.7 mm	0.19 inch	
Mass of belt (belt weight)	4.6 kg/m <sup>2</sup>	0.950 lb/sqft	
Tensile force for 1% elongation (k1% static) per unit of width (Habasit standard SOP3-155)	22 N/mm	125 lbf/in	
Tensile force for 1% elongation after relaxation (k1% relaxed) per unit of width (Habasit Standard SOP3-155 / EN ISO 21181)	10 N/mm	58 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)	0.30 -		
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 #3HT	Master joining method for standard applications
Hidden Flex	Optional joining method

[Link to JDS:](#)

Joining method		Clipper #3HT	Hidden Flex
Pulley diameter (minimum)	mm inch	89 3.50	89 3.50
Pulley diameter minimum with counter flection	mm inch	114 4.50	114 4.50
Admissible tensile force per unit of width	N/mm lbf/in	22 128	
Admissible tensile force per unit of width at max. operating temperature	N/mm lbf/in	15 84	
Slider bed suitable		Yes	Yes
Carrying rollers suitable		Yes	Yes
Troughed installation suitable		No	No
Powerturns / curved installations		No	No
Knife-edge (nosebar) suitable		No	No
Low noise applications		Yes	Yes
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.

# Heavy Conveyor Belts

## UMSPH150LR



### Chemical resistance

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

### Mode of use or conveyance

Acceleration, Carrying roller, Declined, Inclined, Slider bed

### Recommendation

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

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	Flame Retardant Belts
Item number	H250000562

### 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.