

Heavy Conveyor Belts

APH150HTS-E3



Main industry segments

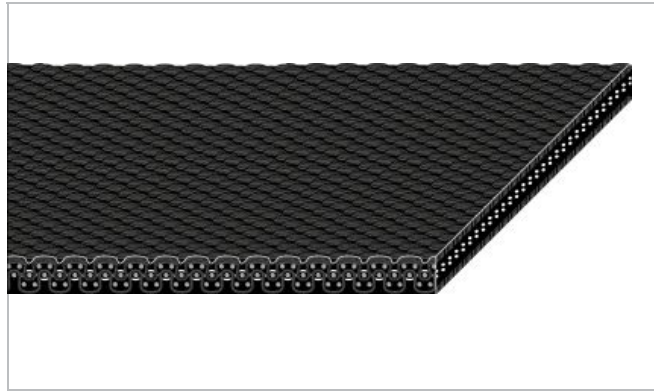
Airport, Distribution centers, Parcel distribution / Overnight carrier

Applications

Accumulation belt, Diverting belt

Special features

Energy saving, High tensile strength, High transversal rigidity



Product Construction / Design	
Conveying side material	Polyester fabric (PET) impregnated with polyvinylchloride (PVC)
Conveying side surface	Buffed finish
Conveying side property	Non-adhesive
Conveying side color	Black
Traction layer (material)	Polyester (PET)
Number of Fabrics	1
Pulley side material	Polyester fabric (PET) impregnated with polyvinylchloride (PVC)
Pulley side surface	Buffed finish
Pulley side property	Non-adhesive
Pulley side color	Green

Product characteristics	
Antistatically equipped	No
Adhesive free joining method	Yes
Flammability	Flame retardant, Flame retardant to ASTM D-378
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	4.7 mm	0.19 inch
Mass of belt (belt weight)	4.4 kg/m ²	0.900 lb/sqft
Tensile force for 1% elongation (k1% static) per unit of width (Habasit standard SOP3-155)	35 N/mm	200 lbf/in
Tensile force for 1% elongation after relaxation (k1% relaxed) per unit of width (Habasit Standard SOP3-155 / EN ISO 21181)	11 N/mm	63 lbf/in
Min. operating temperature admissible (continuous)	-18 °C	0 °F
Max. operating temperature admissible (continuous)	82 °C	180 °F
Coefficient of friction (pulley side / steel driving pulley)	0.15 -	
Coefficient of friction (pulley side / driving pulley with friction cover)	0.25 -	
Coefficient of friction (pulley side / pickled steel slider bed)	0.20 -	
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	1511 mm	59.50 inch
On request other seamless manufacturing width	1207 mm	48 inch

Joining related properties

Joining method	
Clipper #3HT	Master joining method for standard applications
Flexproof 10 x 80	Optional joining method
Thermofix	Optional joining method

[Link to JDS:](#)

Joining method		Clipper #3HT	Flexproof 10 x 80	Thermofix
Pulley diameter (minimum)	mm inch	102 4.00	102 4.00	102 4.00
Pulley diameter minimum with counter flection	mm inch	102 4.00	102 4.00	102 4.00
Admissible tensile force per unit of width	N/mm lbf/in	28 160		
Admissible tensile force per unit of width at max. operating temperature	N/mm lbf/in	24 136		
Slider bed suitable		Yes	Yes	Yes
Carrying rollers suitable		Yes	Yes	Yes
Troughed installation suitable		No	No	
Powerturns / curved installations		No	No	
Knife-edge (nosebar) suitable		No	No	
Low noise applications		No	No	No
Metal detector suitable		No	No	No

Product has very high tear resistance to meet UPS specifications

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, Diverting, Horizontal, Side loading

Recommendation

Do not go below initial elongation (epsilon) ~ 0.5%

Protect spare belts from sunlight/UV-radiation/dust/dirt!

No danger and limitation

Group	Woven PVC Belts
Sub-Group	Energy Saving Belts
Item number	H250000257

Disclaimer

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