

Heavy Conveyor Belts

RPH2-160TXB-FR



Main industry segments

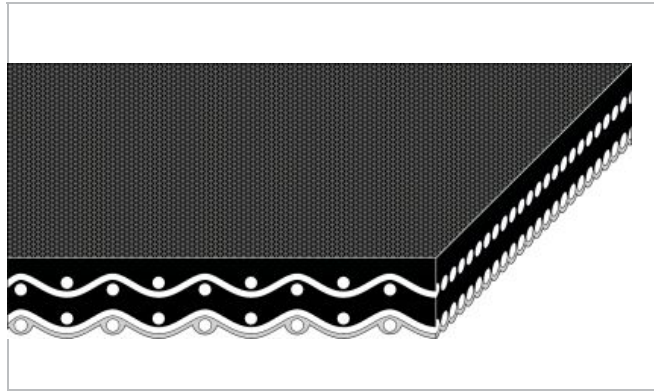
Airport, Distribution centers, Parcel distribution / Overnight carrier

Applications

Decline belt, Incline belt, Light package handling, Powerturn belt

Special features

Cut resistant, Impact resistant, Low stretch, Spiral lift suitable



Product Construction / Design	
Conveying side material	Chloroprene Rubber (Neoprene)
Conveying side surface	Fine textile structure
Conveying side property	Adhesive
Conveying side color	Black
Traction layer (material)	Polyester (PET)/Polyamide (PA) fabric
Number of Fabrics	2
Pulley side material	RFL fabric
Pulley side surface	Impregnated fabric
Pulley side property	Non-adhesive
Pulley side color	Brown

Product characteristics	
Antistatically equipped	Yes
Adhesive free joining method	No
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	3.7 mm	0.15 inch	
Mass of belt (belt weight)	4.0 kg/m ²	0.820 lb/sqft	
Tensile force for 1% elongation after relaxation (k1 % relaxed) per unit of width (Habasit Standard SOP3-155 / EN ISO 21181)	12 N/mm	66 lbf/in	
Min. operating temperature admissible (continuous)	-29 °C	-20 °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)	0.35 -		
Coefficient of friction (pulley side / pickled steel slider bed)	0.15 -		
Coefficient of friction (pulley side / phenolic resin slider bed)	0.30 -		
Coefficient of friction (pulley side / stainless steel slider bed)	0.15 -		
Seamless manufacturing width	1829 mm	72.00 inch	
On request other seamless manufacturing width	1524 mm	60 inch	

Joining related properties

Joining method	
Clipper #2HT	Master joining method for standard applications
Mechanical joining	Optional joining method

[Link to JDS:](#)

Joining method		Clipper #2HT	Mechanical joining
Pulley diameter (minimum)	mm inch	102 4.00	102 4.00
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	19 110	
Admissible tensile force per unit of width at max. operating temperature	N/mm lbf/in	12 67	
Slider bed suitable		Yes	Yes
Carrying rollers suitable		Yes	Yes
Troughed installation suitable		Yes	Yes
Powerturns / curved installations		Yes	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

Acceleration, Declined, Horizontal, Inclined, Metering

Calculations

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

Recommendation

Do not go below initial elongation (epsilon) ~ 0.3%

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)

No danger and limitation

Group	Woven Rubber Belts
Sub-Group	Flame Retardant Belts
Item number	H250000268

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