

Heavy Conveyor Belts

RPH2-160RTXB-GP



Main industry segments

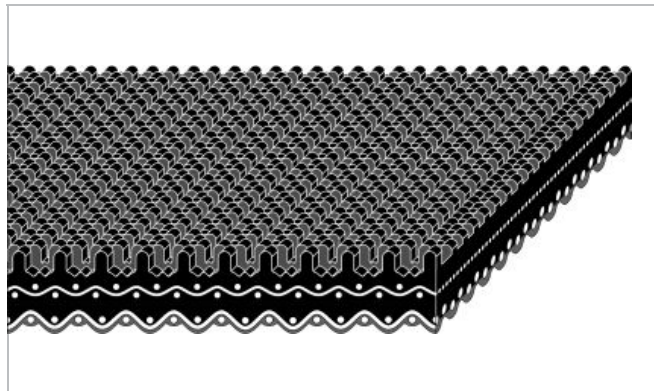
Airport, Distribution centers, Parcel distribution / Overnight carrier

Applications

Decline belt, Incline belt, Infeed belt, Metering/singulation belt

Special features

Dimensionally stable, High grip surface



Product Construction / Design	
Conveying side material	Chloroprene Rubber (Neoprene)
Conveying side surface	Rough top
Conveying side property	Super-adhesive
Conveying side color	Black
Traction layer (material)	Polyester (PET)/Polyamide (PA) fabric
Number of Fabrics	2
Pulley side material	Polyester (PET)/Polyamide (PA) fabric
Pulley side surface	Impregnated fabric
Pulley side property	Non-adhesive
Pulley side color	Red

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	6.3 mm	0.25 inch
Mass of belt (belt weight)	5.4 kg/m ²	1.106 lb/sqft
Tensile force for 1% elongation (k1% static) per unit of width (Habasit standard SOP3-155)	23 N/mm	131 lbf/in
Tensile force for 1% elongation after relaxation (k1% relaxed) per unit of width (Habasit Standard SOP3-155 / EN ISO 21181)	9.0 N/mm	51 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)	0.18 -	
Seamless manufacturing width	1829 mm	72.00 inch
On request other seamless manufacturing width	1524 mm	60 inch
On request further seamless manufacturing width	1219 mm	48 inch

Joining related properties

Joining method	
Mechanical joining	Master joining method for standard applications

[Link to JDS:](#)

Joining method		Mechanical joining
Pulley diameter (minimum)	mm inch	102 4.00
Pulley diameter minimum with counter flection	mm inch	114 4.50
Admissible tensile force per unit of width	N/mm lbf/in	9.6 55
Admissible tensile force per unit of width at max. operating temperature	N/mm lbf/in	6.3 36
Slider bed suitable		Yes
Carrying rollers suitable		Yes
Troughed installation suitable		Yes
Powerturns / curved installations		Yes
Knife-edge (nosebar) suitable		No
Low noise applications		No
Metal detector suitable		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

Declined, Inclined, Metering

Recommendation

Group	Woven Rubber Belts
Sub-Group	Flame Retardant Belts
Item number	H250000267

Disclaimer

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