

Heavy Conveyor Belts

RPH3-200BXB-FR



Main industry segments

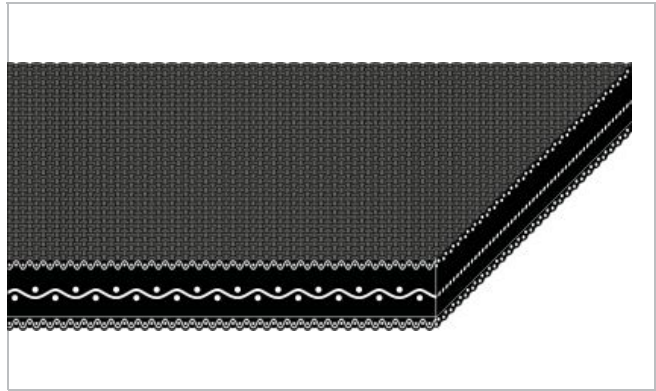
Airport, Distribution centers, Parcel distribution / Overnight carrier

Applications

Accumulation belt, Diverting belt, Pusher belt, Sorting belt

Special features

Abrasion resistant on both sides, Cut resistant, Good lace retention, High abrasion resistance, High strength, High transversal rigidity, Impact resistant, Low noise applications suitable



Product Construction / Design

Conveying side material	RFL fabric
Conveying side surface	Impregnated fabric
Conveying side property	Non-adhesive
Conveying side color	Black
Traction layer (material)	Polyester (PET)/Polyamide (PA) fabric
Number of Fabrics	3
Pulley side material	RFL fabric
Pulley side surface	Impregnated fabric
Pulley side property	Non-adhesive
Pulley side color	Black

Product characteristics

Antistatically equipped	Yes
Flammability	In accordance with ISO 340
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	4.3	mm	0.17 inch
Mass of belt (belt weight)	4.7	kg/m ²	0.963 lb/sqft
Tensile force for 1% elongation (k1% static) per unit of width (Habasit standard SOP3-155)	30	N/mm	168 lbf/in
Tensile force for 1% elongation after relaxation (k1% relaxed) per unit of width (Habasit Standard SOP3-155 / EN ISO 21181)	9.4	N/mm	54 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	1524	mm	60.00 inch
On request other seamless manufacturing width	1829	mm	72 inch
On request further seamless manufacturing width	1981	mm	78 inch

Joining related properties

Joining method	
Clipper #3HT	Master joining method for standard applications
Clipper #1	Optional joining method

[Link to JDS:](#)

Joining method		Clipper #3HT	Clipper #1
Pulley diameter (minimum)	mm inch	89 3.50	89 3.50
Pulley diameter minimum with counter flection	mm inch	89 3.50	89 3.50
Admissible tensile force per unit of width	N/mm lbf/in	22 128	14 82
Admissible tensile force per unit of width at max. operating temperature	N/mm lbf/in	14 78	11 63
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

Meets 2003 United Parcel Service New Functional Requirements

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, Lateral feeding, Side loading

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	H250000259

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