

# Heavy Conveyor Belts

## RPH3-200BXB-FR



### Main industry segments

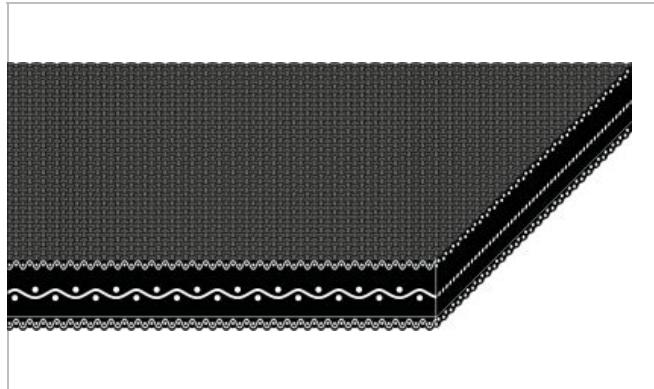
Airport, Distribution centers, Parcel distribution / Overnight carrier

### 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 <sup>2</sup>	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

### Disclaimer

#### Product Application Disclaimer (valid for ALL Habasit products and mentioned on all PDS)

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