

Heavy Conveyor Belts R2-160RTXB-N



Main industry segments

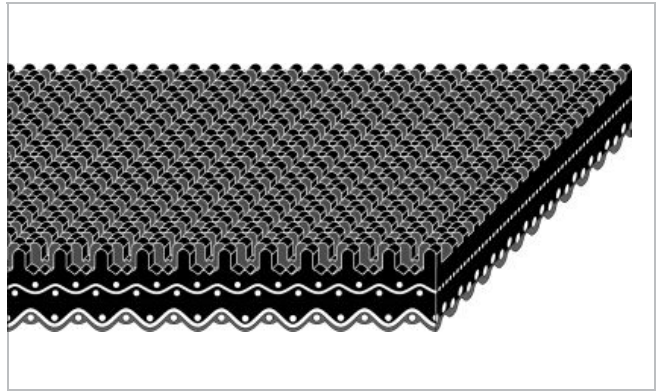
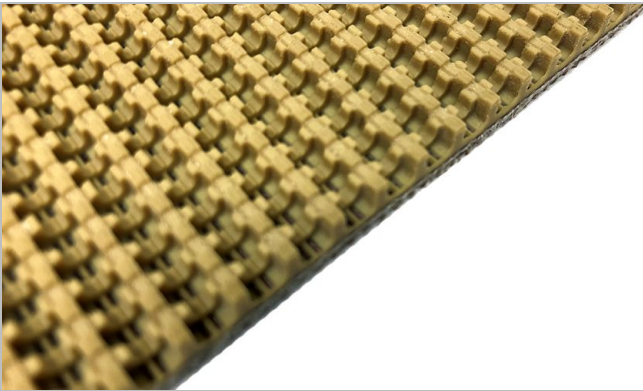
Cardboard converting, Solid wood

Applications

Decline belt, Incline belt

Special features

High grip surface



Product Construction / Design	
Conveying side material	Styrene-Butadiene-Rubber (SBR)
Conveying side surface	Rough top
Conveying side property	Adhesive
Conveying side color	Tan
Traction layer (material)	Polyester (PET) fabric
Number of Fabrics	2
Pulley side material	RFL fabric
Pulley side surface	Fabric
Pulley side color	Black

Product characteristics	
Antistatically equipped	No
Flammability	No specific flammability prevention property
Food suitability, FDA conformance	No
Food suitability, USDA recommendations	No use intended

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Technical data			
Thickness of belt	6.1 mm	0.24 inch	
Mass of belt (belt weight)	5.4 kg/m ²	1.105 lb/sqft	
Tensile force for 1% elongation (k1% static) per unit of width (Habasit standard SOP3-155)	30 N/mm	171 lbf/in	
Tensile force for 1% elongation after relaxation (k1% relaxed) per unit of width (Habasit Standard SOP3-155 / EN ISO 21181)	10 N/mm	57 lbf/in	
Min. operating temperature admissible (continuous)	-40 °C	-40 °F	
Max. operating temperature admissible (continuous)	121 °C	250 °F	
Coefficient of friction (pulley side / steel driving pulley)	0.25	-	
Coefficient of friction (pulley side / driving pulley with friction cover)	0.40	-	
Coefficient of friction (pulley side / stainless steel slider bed)	0.25	-	
Seamless manufacturing width	1524 mm	60.00 inch	
On request further seamless manufacturing width	1829 mm	72 inch	

Joining related properties

Joining method	
Alligator #27	Master joining method for standard applications
	Optional joining method

[Link to JDS:](#)

Joining method		Alligator #27	
Pulley diameter (minimum)	mm inch	51 2.00	
Admissible tensile force per unit of width	N/mm lbf/in	26 150	
Slider bed suitable		Yes	
Carrying rollers suitable		Yes	Yes
Troughed installation suitable		No	No
Powerturns / curved installations		No	No
Knife-edge (nosebar) suitable		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

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) ~ 0.5%, Install the slack belt and tension until running perfectly under the full belt load

Store spare belts in a cool and dry place and if possible in their original packaging. Protect spare belts from sunlight/UV-radiation/dust/dirt! 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	H250000289

Disclaimer

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