

Processing Belts

HNZ-08P



Main industry segments

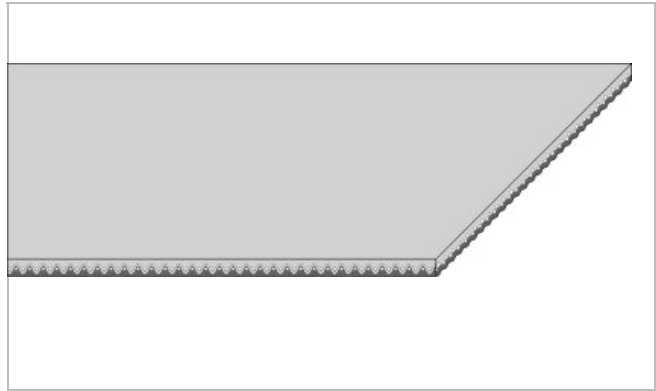
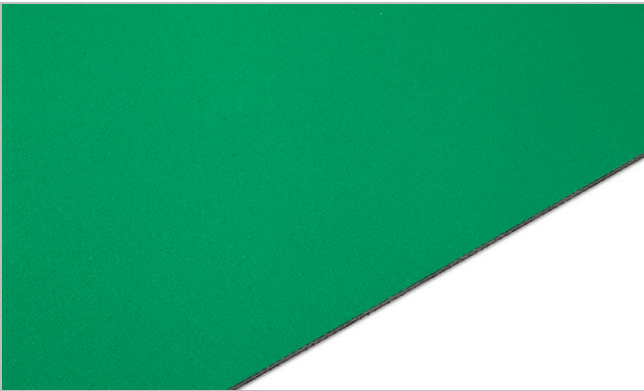
Textile others

Applications

Lap belt

Special features

Constant coefficient of friction, Forgiving in case of short term shock like overloads, Tear resistant



Product Construction / Design	
Conveying side material	Polyamide (PA)
Conveying side surface	Smooth
Conveying side property	Non-adhesive
Conveying side color	Semi-translucent
Traction layer (material)	Polyamide (PA)
Number of Fabrics	1
Pulley side material	Acrylonitrile-Butadiene-Rubber (NBR)
Pulley side surface	Fine structure
Pulley side property	Adhesive
Pulley side color	Green (Habasit green)

Product characteristics	
Antistatically equipped	Yes
Adhesive free joining method	No
Flammability	No specific flammability prevention property
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	1.6 mm	0.06 inch
Mass of belt (belt weight)	1.7 kg/m ²	0.348 lb/sqft
Tensile force for 1% elongation (k1% static) per unit of width (Habasit standard SOP3-155)	17 N/mm	97 lbf/in
Tensile force for 1% elongation after relaxation (k1% relaxed) per unit of width (Habasit Standard SOP3-155 / EN ISO 21181)	8.0 N/mm	46 lbf/in
Min. operating temperature admissible (continuous)	0 °C	32 °F
Max. operating temperature admissible (continuous)	60 °C	140 °F
Coefficient of friction (pulley side / steel driving pulley)	0.40 -	
Coefficient of friction (pulley side / driving pulley with friction cover)	0.40 -	
Seamless manufacturing width	300 mm	11.81 inch

Joining related properties

Joining method	
Thermofix	Master joining method for standard applications

[Link to JDS:](#)

Joining method		Thermofix
Pulley diameter (minimum)	mm inch	150 5.91
Pulley diameter minimum with counter flection	mm inch	150 5.91
Admissible tensile force per unit of width	N/mm lbf/in	40 228
Admissible tensile force per unit of width at max. operating temperature	N/mm lbf/in	40 228
Slider bed suitable		No
Carrying rollers suitable		No
Troughed installation suitable		No
Powerturns / curved installations		No
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

Horizontal, 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) ~ 0.3%

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)

This product has not been tested according to ATEX standards (atmospheres with explosion risk - ATEX 95 regulation or EU directive 2014/34/EU) and therefore is subject to user's analysis in the respective environment

Group	Lap Belts
Sub-Group	-
Item number	H800040611

Disclaimer

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