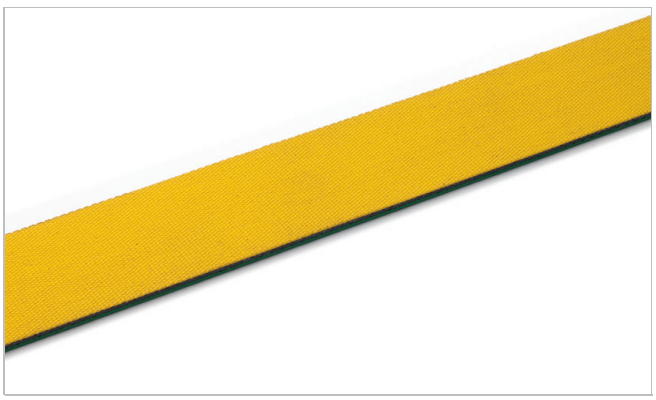
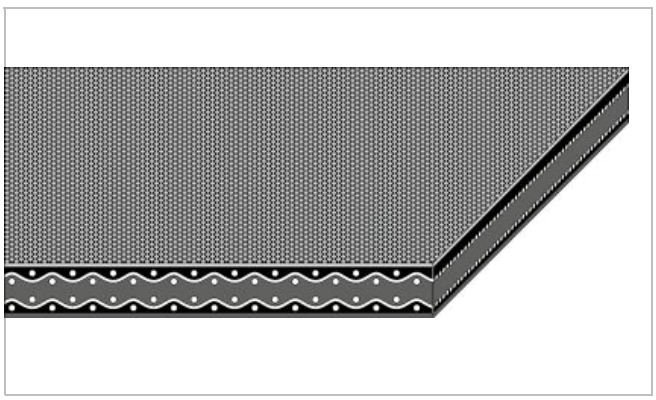
Power Transmission Belts
S-140H

Main industry segments
Yarn processing

Applications
Ring spinning frames, Tangential belt, Twisters and texturing machines

Special features
Abrasion resistant, Constant coefficient of friction, Dimensionally stable, Forgiving in case of short term shock like overloads





Product Construction / Design	
Pulley side material	Acrylonitrile-Butadiene-Rubber (NBR) as friction cover (pulley/cylinder side)
Pulley side surface	Rough structure
Pulley side color	Yellow
Traction layer (material)	Polyamide (PA)
Number of Fabrics	2
Opposite side material	Acrylonitrile-Butadiene-Rubber (NBR) as friction cover (whirl side)
Opposite side surface	Fine structure
Opposite side color	Green

Product characteristics	
Drive determination	Double-sided power transmission
Antistatically equipped	Yes
Adhesive free joining method	No
Food suitability, FDA conformance	No
Food suitability, EU conformance	No

Technical data				
Thickness of belt	1.7	mm	*0.07*	*inch*
Mass of belt (belt weight)	1.9	kg/m²	*0.389*	*lb/sqft*
Tensile force for 1% elongation (k1% after running in) per unit of width (Habasit standard SOP3-013)	4.8	N/mm	*27*	*lbf/in*
Nominal peripheral force per unit of width	13	N/mm	*74*	*lbf/in*
Min. operating temperature admissible (continuous)	-20	°C	*-4*	*°F*
Max. operating temperature admissible (continuous)	100	°C	*212*	*°F*
Seamless manufacturing width	1200	mm	*47.24*	*inch*

All data are approximate values under standard climatic conditions: 23°C/73°F, 50% relative humidity (DIN 50005/ISO 554).

Joining related properties

Link to JDS:

Joining method		Thermofix
Pulley diameter (minimum)	mm *inch*	40 *1.57*
Pulley diameter minimum with counter flection	mm *inch*	40 *1.57*

Chemical resistance

Link to 'Chemical resistance information': http://www.habasit.com/en/chemical-resistance.htm

Mode of use or conveyance

Tangential drive

Calculations

With power transmission belts a calculation at least of the belt width and initial elongation is highly recommended. For this serves the Habasit SeleCalc calculation program. The easiest way is to have belt drives calculated by Habasit representatives.

Recommendation

Observe the indications of the machine handbook from the machine manufacturers

For details consult 'Storage and handling requirements for belts and machine tapes' or contact Habasit, 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.

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

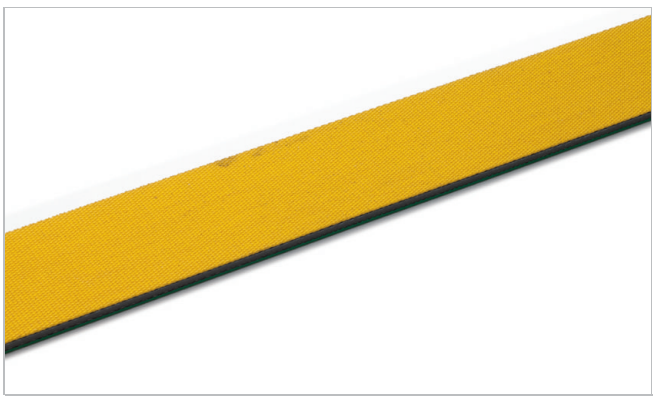
Group	Polyamide Power Transmission Belts
Sub-Group	S Polyamide Power Transmission Belts
Item number	H010100252

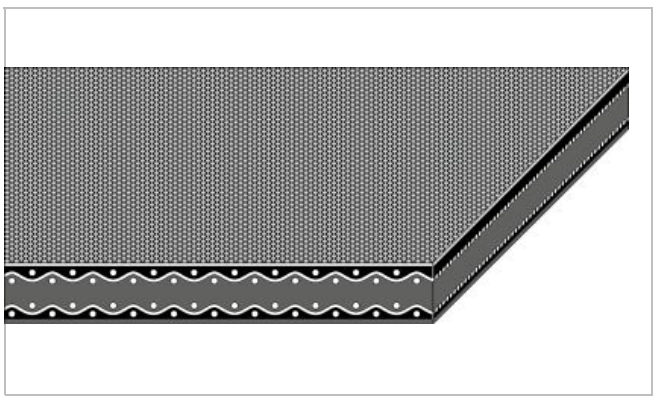
Power Transmission Belts
S-250H

Main industry segments
Yarn processing

Applications
Ring spinning frames, Tangential belt, Twisters and texturing machines

Special features
Abrasion resistant, Constant coefficient of friction, Dimensionally stable, Forgiving in case of short term shock like overloads





Product Construction / Design	
Pulley side material	Acrylonitrile-Butadiene-Rubber (NBR) as friction cover (pulley/cylinder side)
Pulley side surface	Rough structure
Pulley side color	Yellow
Traction layer (material)	Polyamide (PA)
Number of Fabrics	2
Opposite side material	Acrylonitrile-Butadiene-Rubber (NBR) as friction cover (whirl side)
Opposite side surface	Fine structure
Opposite side color	Green

Product characteristics	
Drive determination	Double-sided power transmission
Antistatically equipped	Yes
Adhesive free joining method	No
Food suitability, FDA conformance	No
Food suitability, EU conformance	No

Technical data				
Thickness of belt	2.3	mm	*0.09*	*inch*
Mass of belt (belt weight)	2.5	kg/m²	*0.512*	*lb/sqft*
Tensile force for 1% elongation (k1% after running in) per unit of width (Habasit standard SOP3-013)	11	N/mm	*63*	*lbf/in*
Nominal peripheral force per unit of width	29	N/mm	*166*	*lbf/in*
Min. operating temperature admissible (continuous)	-20	°C	*-4*	*°F*
Max. operating temperature admissible (continuous)	100	°C	*212*	*°F*
Seamless manufacturing width	1200	mm	*47.24*	*inch*

All data are approximate values under standard climatic conditions: 23°C/73°F, 50% relative humidity (DIN 50005/ISO 554).

Joining related properties

Link to JDS:

Joining method		Thermofix
Pulley diameter (minimum)	mm *inch*	100 *3.94*
Pulley diameter minimum with counter flection	mm *inch*	100 *3.94*

Chemical resistance

Link to 'Chemical resistance information': http://www.habasit.com/en/chemical-resistance.htm

Mode of use or conveyance

Tangential drive

Calculations

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Recommendation

Observe the indications of the machine handbook from the machine manufacturers

For details consult 'Storage and handling requirements for belts and machine tapes' or contact Habasit, 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.

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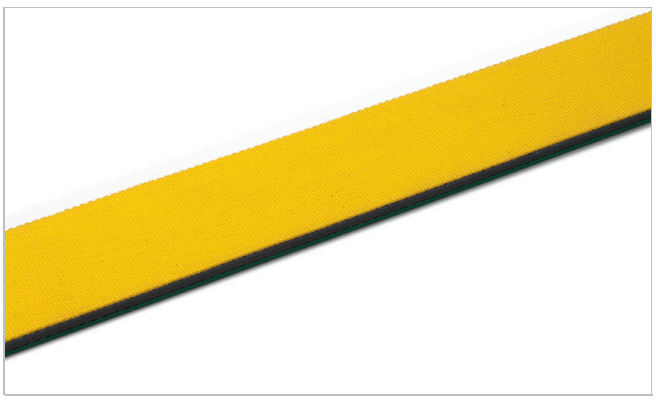
Group	Polyamide Power Transmission Belts
Sub-Group	S Polyamide Power Transmission Belts
Item number	H010100344

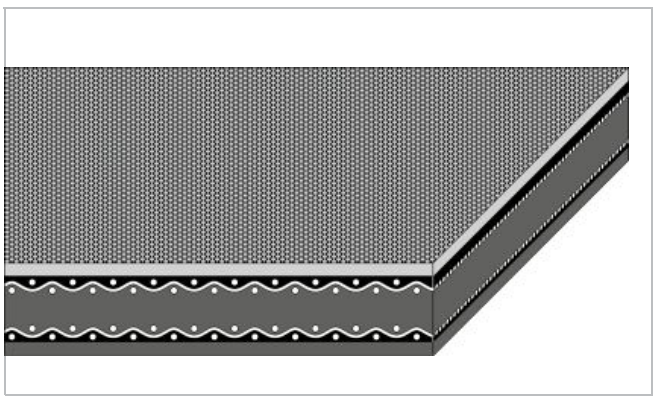
Power Transmission Belts
S-390H

Main industry segments
Yarn processing

Applications
Ring spinning frames, Tangential belt, Twisters and texturing machines

Special features
Abrasion resistant, Constant coefficient of friction, Dimensionally stable, Forgiving in case of short term shock like overloads





Product Construction / Design	
Pulley side material	Acrylonitrile-Butadiene-Rubber (NBR) as friction cover (pulley/cylinder side)
Pulley side surface	Rough structure
Pulley side color	Yellow
Traction layer (material)	Polyamide (PA)
Number of Fabrics	2
Opposite side material	Acrylonitrile-Butadiene-Rubber (NBR) as friction cover (whirl side)
Opposite side surface	Rough structure
Opposite side color	Green

Product characteristics	
Drive determination	Double-sided power transmission
Antistatically equipped	Yes
Adhesive free joining method	No
Food suitability, FDA conformance	No
Food suitability, EU conformance	No

Technical data				
Thickness of belt	3.2	mm	*0.13*	*inch*
Mass of belt (belt weight)	3.6	kg/m²	*0.737*	*lb/sqft*
Tensile force for 1% elongation (k1% after running in) per unit of width (Habasit standard SOP3-013)	14	N/mm	*80*	*lbf/in*
Nominal peripheral force per unit of width	38	N/mm	*217*	*lbf/in*
Min. operating temperature admissible (continuous)	-20	°C	*-4*	*°F*
Max. operating temperature admissible (continuous)	100	°C	*212*	*°F*
Seamless manufacturing width	1200	mm	*47.24*	*inch*

All data are approximate values under standard climatic conditions: 23°C/73°F, 50% relative humidity (DIN 50005/ISO 554).

Joining related properties

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*

Chemical resistance

Link to 'Chemical resistance information': http://www.habasit.com/en/chemical-resistance.htm

Mode of use or conveyance

Tangential drive

Calculations

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Recommendation

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Group	Polyamide Power Transmission Belts
Sub-Group	S Polyamide Power Transmission Belts
Item number	H010100236