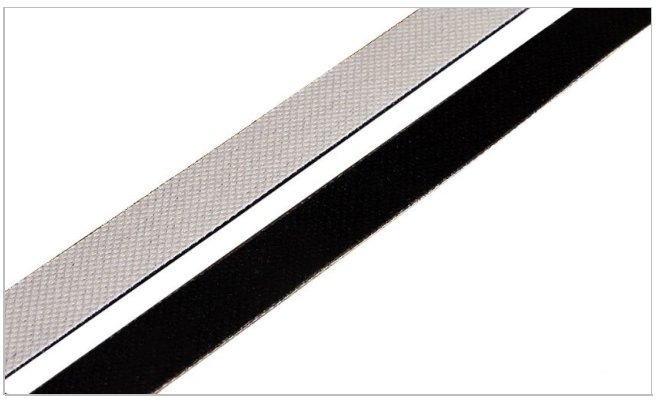
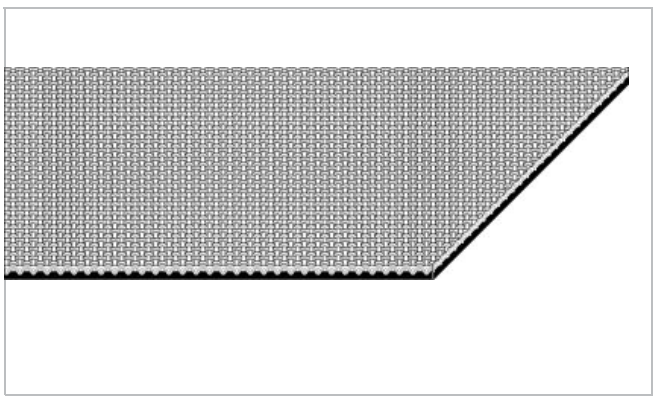
Spindle Tapes
DS-8

Main industry segments
Yarn processing

Applications
Spindle drive

Special features
Abrasion resistant, Adhesive-free joint, Antistatic, Constant coefficient of friction, Dimensionally stable, Energy saving, Fibre fly accumulation prevention, High acceleration, Low elasticity, Uniform yarn quality, High reliability





Product Construction / Design	
Spindle side material	Polyester (PET)/Cotton (CO) fabric as friction cover (whirl side)
Spindle side surface	Impregnated fabric
Spindle side color	White
Number of Fabrics	1
Traction layer (material)	Polyester (PET)/Cotton (CO) fabric
Pulley side material	Thermoplastic polyurethane (TPU)
Pulley side surface	Smooth
Pulley side color	Black

Product characteristics	
Drive determination	1- / 2- / or 4-spindle ring spinning frames
Antistatically equipped	Yes
Adhesive free joining method	Yes
Food suitability, FDA conformance	No
Food suitability, EU conformance	No

Technical data				
Thickness of belt	0.70	mm	*0.03*	*inch*
Mass of belt (belt weight)	0.70	kg/m²	*0.143*	*lb/sqft*
Tensile force for 1% elongation (k1% after running in) per unit of width (Habasit standard SOP3-013)	6.0	N/mm	*34*	*lbf/in*
Nominal peripheral force per unit of width	6.0	N/mm	*34*	*lbf/in*
Min. operating temperature admissible (continuous)	-20	°C	*-4*	*°F*
Max. operating temperature admissible (continuous)	60	°C	*140*	*°F*
Seamless manufacturing width	1140	mm	*44.88*	*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:

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Joining method		Flexproof 5.5 x 46
Pulley diameter (minimum)	mm *inch*	15 *0.59*
Pulley diameter minimum with counter flection	mm *inch*	15 *0.59*

Chemical resistance
Link to 'Chemical resistance information': https://rims.habasit.com

Mode of use or conveyance
Spindle drive

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

Recommendation
Observe the indications of the machine handbook from the machine manufacturers

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"

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, When changing the direction of rotation (S/Z direction of rotation) the spindle tape can run off the driving pulley

Group	Polyester Spindle Tapes
Sub-Group	DS Polyester Spindle Tapes
Item number	H800030608

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