Power Transmission Belts S-33/50



Main industry segments

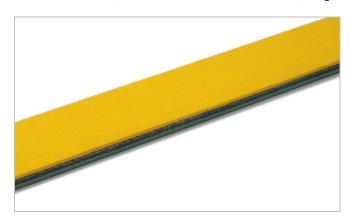
Yarn processing

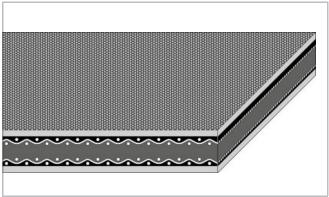
Applications

Power transmission belt, Tangential belt

Special features

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





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	Light 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	5.0	mm	0.20	inch
Mass of belt (belt weight)	5.4	kg/m²	1.106	lb/sqft
Tensile force for 1% elongation (k1% after running in) per unit of width (Habasit standard SOP3-013)	13	N/mm	74	lbf/in
Nominal peripheral force per unit of width	37	N/mm	211	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	inch

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

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Joining related properties

Link to JDS:

Joining method		Thermofix
Pulley diameter (minimum)	mm	125
	inch	4.92
Pulley diameter minimum with	mm	125
counter flection	inch	4.92

Chemical resistance

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

Mode of use or conveyance

Power transmission

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

Do not go below initial elongation (epsilon) ~ 0.3%

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 94/9) 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 H010100188

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