

GT S09 FC

Article code: FBGT054166

General information

Product group	High performance flat belts
Product sub type	Classic
Industry segment	General industry
Main product feature	High grip, Flexible
Application	Power transmission
Indication of use	Special fine structured surface

Belt construction

Tension member		Polyamide foil
Top side	material	Polyamide fabric
	finish	Fabric textured
	color	blue
Bottom / Pulley side	material	XNBR elastomer
	finish	Fine
	color	blue

Characteristics

Food Grade (FG)	no
Antistatic (AS)	yes
High conductive (HC)	no
ATEX approval	yes

Technical data

Belt thickness	ISO 2286-3		1.9 mm	0.07 in.
	tolerance +/-		0.1 mm	0 in.
Weight	ISO 290703-1		2.1 kg/m ²	0.43 lbs/ft ²
Force at 1% elongation	ISO 21181	dynamic	9 N/mm	51.39 lbs/in.
Recommended elongation		min. / max.	2 / 3 %	
Coefficient of friction, dynamic	ISO 21182	bottom side to steel	0,5 μ	
		top side to steel	0,15 μ	
Minimum pulley diameter	flexing		40 mm	1.57 in.
	back flexing		40 mm	1.57 in.
Operating temperature	continuous	from / to	0 / 80 °C	32 / 176 °F
Belt width	standard		570 mm	22.44 in.

Fabrication

Recommended splice method	WedgeSkive75D-1.5-2.8
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Additional Information

This sheet contains typical values, which apply to a temperature of approx. 20 °C (68 °F), unless otherwise stated, individual data may differ.

Consult our specialists for further instructions regarding joining, storage & maintenance, tracking & tensioning.

Consult our specialists for calculations with our E-RappCalc© technical calculation program.

Our material, as well as the packaging, must be disposed of in a professional and environmentally friendly manner.