Technical datasheet

LT S27 C

Article code: FBLT054050



General information	
Product group	High performance flat belts
Product sub type	Classic
Industry segment	General industry
Main product feature	Oil & grease resistant, Dusty environment
Application	Saw mills, Power transmission (crossed, cone drive)
Indication of use	Suitable for high start-up torques

Belt construction		
Tension member		Polyamide foil
Top side	material	Polyamide fabric
	finish	Fabric textured
	color	black
Bottom / Pulley side	material	Chrome leather
	finish	Ground quality
	color	grey

Characteristics		
Food Grade (FG)	no	
Antistatic (AS)	yes	ISO 284
High conductive (HC)	no	
ATEX approval	no	

Technical data						
Belt thickness	ISO 2286-3		5.1	mm	0.2	in.
	tolerance +/-		0.3	mm	0.01	in.
Weight	ISO 290703-1		5.6	kg/m²	1.15	lbs/ft²
Force at 1% elongation	ISO 21181	dynamic	27	N/mm	154.17	lbs/in.
Recommended elongation		min. / max.	2/3	%		
Coefficient of friction, dynamic	ISO 21182	bottom side to steel	0,25	μ		
		top side to steel	0,15	μ		
Minimum pulley diameter	flexing		350	mm	13.78	in.
	back flexing		350	mm	13.78	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-2.8+
Alternative splice method	WedgeSkive90D-2.8+

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.

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