Technical datasheet

PU Linear QST 8M Kevlar NT 50

Ammeraal Beltech
Innovation & Service in Belting

Article code: TBPU000440

General information	
Productgroup	Timing belts, PU Linear

Belt construction		
Tension member		Kevlar
Material	**body**	Polyurethane
Surface	**tooth side**	Polyamide fabric
	back side	Polyurethane

Characteristics		
Food Grade (FG)	no	
Antistatic (AS)	no	
Oil & Fat resistance	yes	

Technical data						
Tooth	profile		QST8M			
	pitch		8	mm	0.31	in.
Hardness body material	ISO 868		92A	Shore		
Belt thickness			5.33	mm	0.21	in.
Coefficient of friction	tooth side to steel	dynamic	0,3			
Operating temperature	continuous	from / to	-10 / 80	°C	14 / 176	°F
Belt width			50	mm	1.97	in.
Endless length	minimum		500	mm	19.69	in.
Manufacturing length	standard		100000	mm	328.08	ft.

Reference images

A) without counter flexing
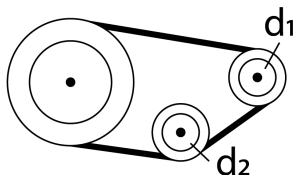
B) with counter flexing
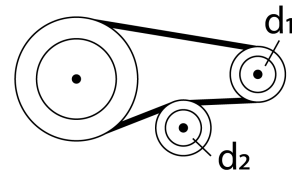
Fabrication

This information on the fabrication options is general, please contact Ammeraal Beltech for the specific fabrication possibilities of the timing belt of your choice.

Open end, prepared splice, spliced endless with mechanical fastener or a pin joint fastener.

Cleats welded or mechanically attached, metal teeth, guides welded or glued.

Covers can be welded, glued, coated or vulkanized onto the back side of the timing belt.

Thermoplastic covers can be embossed. Perforations, lateral and logitudinal slots, lateral and longitudinal profiles.

Additional Information

Tooth profile according to standard: metric ISO 17396 , imperial ISO 5296-1, curvilinear ISO 13050, depending on the belt type.

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 information like technical calculations. Instructions regarding joining, storage & maintenance and tracking & tensioning.

Belt load				
Standard belt width [mm]	**Allow. tensile load Linear open end & Torque [N]**	**Allow. tensile load Linear welded endless [N]**	**Breaking force [N]**	**Spring force [N]**

Tooth load			
Speed rpm [1/min]	Specific tooth force [N/mm]	Specific power [W/mm]	Specific torque [Ncm/mm]

Pulley load									
Number of teeth	outer Ø [mm]	Effective Ø [mm]	Ø with flanges [mm]	Max. bore [mm]	Number of teeth	outer Ø [mm]	Effective Ø [mm]	Ø with flanges [mm]	Max. bore [mm]
Standard									

Tooth load			
Speed rpm [1/min]	Specific tooth force [N/mm]	Specific power [W/mm]	Specific torque [Ncm/mm]

Pulley load									
Number of teeth	outer Ø [mm]	Effective Ø [mm]	Ø with flanges [mm]	Max. bore [mm]	Number of teeth	outer Ø [mm]	Effective Ø [mm]	Ø with flanges [mm]	Max. bore [mm]