Technical datasheet

PU Linear QST 10M Steel NT 50

Article code: TBPU000274

General information

Productgroup	Timing belts, PU Linear
Industry segment	Building materials; Appliances; Container & packaging
Main product feature	Low noise, Positive drive, Self-alignment, Wear resistant

Belt construction

Tension member		steel
Material	**body**	Polyurethane
Surface	**tooth side**	Polyamide fabric
	back side	Polyurethane

Characteristics

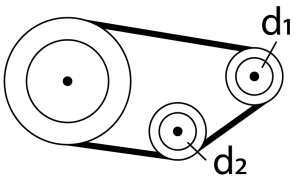
Food Grade (FG)	no
Antistatic (AS)	no
Oil & Fat resistance	yes

Technical data

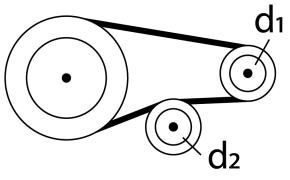
Tooth	profile		QST10M			
	pitch		10	mm	0.39	in.
Hardness body material	ISO 868		92A	Shore		
Belt thickness			6.1	mm	0.24	in.
Coefficient of friction	tooth side to steel	dynamic	0,3			
Operating temperature	continuous	from / to	-10 / 80	°C	14 / 176	°F
Minimum pulley diameter	A) without counter flexing	number of teeth, t1	20			
		d1	49.55	mm	1.95	in.
		d2	250	mm	9.84	in.
	B) with counter flexing	number of teeth, t1	20			
		d1	49.55	mm	1.95	in.
		d2	180	mm	7.09	in.
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.

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

Speed rpm [1/min]	**Specific tooth force [N/mm]**	**Specific power [W/mm]**	

Standard	