

PU Torque F2 Steel

Article code: TBUT102301

General information

Productgroup	Timing belts, PU Torque
Industry segment	Logistics; Sports & leisure; General industry
Main product feature	Positive drive, Non-marking, Wear resistant

Belt construction

Tension member		steel
Material	body	Polyurethane
Surface	tooth side	Polyurethane
	back side	Polyurethane

Characteristics

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

Technical data

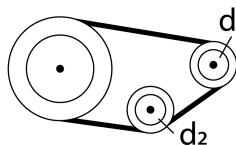
Tooth	profile		F2 Kleen emboss		
Hardness body material	ISO 868		92A Shore		
Belt thickness			2 mm	0.08 in.	
Belt weight			3.4 kg/m ²	0.7 lbs/ft ²	
Coefficient of friction	tooth side to steel	dynamic	0,5		
Operating temperature	continuous	from / to	-10 / 80 °C	14 / 176 °F	
Minimum pulley diameter	A) without counter flexing	number of teeth, t1	0		
		d1	50 mm	1.97 in.	
		d2	50 mm	1.97 in.	
	B) with counter flexing	number of teeth, t1	0		
		d1	100 mm	3.94 in.	
		d2	100 mm	3.94 in.	
Belt width	maximum		150 mm	5.91 in.	
Belt length	minimum		900 mm	35.43 in.	
	maximum		25000 mm	82.02 ft.	

Reference images

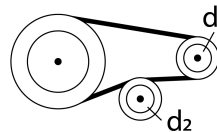
Side view



A) without counter flexing



B) with counter flexing



Fabrication

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

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]
25	3800	1900		950000
50	8075	4037		2018750
75	13000	6500		3250000

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