Technical datasheet

## **PU Linear F4 Steel**

Article code: TBPU000127



General information								
Productgroup	Timing belts, PU	Timing belts, PU Linear						
Industry segment	Logistics; Sports	Logistics; Sports & leisure; General industry						
Main product feature	Positive drive, W	Positive drive, Wear resistant						
Belt construction								
Tension member		steel						
Material	body	Polyurethane						
Surface	tooth side	Polyuretha	ne					
	back side	Polyuretha	ne					
Characteristics								
Food Grade (FG)	no							
. ,								
Antistatic (AS)	no							
Oil & Fat resistance	yes							
Technical data								
Tooth	profile			F4				
Hardness body material	ISO 868				Shore			
Belt thickness	total				mm	0.16	in.	
Belt weight				8	kg/m²	1.64	lbs/ft²	
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	120	mm	4.72	in.	
			d2	120	mm	4.72	in.	
	B) with counter f	exing	number of teeth, t1	0				
			d1		mm	5.91		
			d2		mm	5.91		
Belt width	maximum				mm	3.94		
Endless length	minimum				mm	19.69		
Manufacturing length	standard			100000	mm	328.08	ft.	

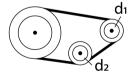
## **Reference images**

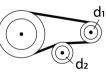
Side view

A) without counter flexing

B) with counter flexing







## Fabrication

This information on the fabrication options is general, please contact Ammeraal Beltech 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.

Allow. tensile load Linear open end & Torque [N]	Allow. tensile load Linear welded endless [N]		Spring force [N]
8000	4000		2000000
16000	8000		4000000
34525	17262.5		8631250
Specific tooth force [N/mm]	Specific power [W/mm]		
	Linear open end & Torque [N] 8000 16000 34525 Specific tooth force	Linear open end & Torque [N]   Linear welded endless [N]     8000   4000     16000   8000     34525   17262.5	Linear open end & Torque [N] Linear welded endless   & Torque [N] [N]   8000 4000   16000 8000   34525 17262.5

Standard

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