Technical datasheet

# **PU Torque F2 Steel NT**

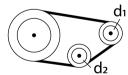


# Article code: TBUT102302 General information

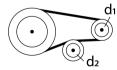
Productgroup	Timing belts, PU	Timing belts, PU Torque							
Industry segment	Logistics; Sports	Logistics; Sports & leisure; General industry							
Main product feature	Low friction tooth	Low friction tooth side, Positive drive, Wear resistant bottom side							
Belt construction									
Tension member		steel							
Material	body	Polyurethane							
Surface	tooth side	Polyamide fabric							
	back side	e Polyurethane							
Characteristics									
Food Grade (FG)	no								
Antistatic (AS)	no								
Oil & Fat resistance	yes								
Technical data									
Tooth	mune file								
	profile			F2 Kleen emboss					
	pitch				mm	0.55	in.		
				emboss 14	mm Shore	0.55	in.		
Hardness body material	pitch			emboss 14 92A		0.55			
Hardness body material Belt thickness	pitch			emboss 14 92A 2	Shore	0.08			
Hardness body material Belt thickness Belt weight	pitch	21	dynamic	emboss 14 92A 2	Shore mm	0.08	in.		
Hardness body material Belt thickness Belt weight Coefficient of friction	pitch ISO 868	91	dynamic from / to	emboss 14 92A 2 3.4	Shore mm kg/m²	0.08	in. Ibs/ft²		
Hardness body material Belt thickness Belt weight Coefficient of friction Operating temperature	pitch ISO 868 tooth side to stee			emboss 14 92A 2 3.4 0,3	Shore mm kg/m²	0.08 0.7	in. Ibs/ft²		
Hardness body material Belt thickness Belt weight Coefficient of friction Operating temperature	pitch ISO 868 tooth side to stee continuous		from / to	emboss 14 92A 2 3.4 0,3 -10 / 80	Shore mm kg/m² °C	0.08 0.7	in. Ibs/ft² °F		
Hardness body material Belt thickness Belt weight Coefficient of friction Operating temperature	pitch ISO 868 tooth side to stee continuous		from / to number of teeth, t1	emboss 14 92A 2 3.4 0,3 -10 / 80 0	Shore mm kg/m <sup>2</sup> °C mm	0.08 0.7 14 / 176	in. Ibs/ft² °F in.		
Hardness body material Belt thickness Belt weight Coefficient of friction Operating temperature	pitch ISO 868 tooth side to stee continuous	er flexing	from / to number of teeth, t1 d1	emboss 14 92A 2 3.4 0,3 -10 / 80 0 50	Shore mm kg/m <sup>2</sup> °C mm	0.08 0.7 14 / 176 1.97	in. Ibs/ft² °F in.		
Hardness body material Belt thickness Belt weight Coefficient of friction Operating temperature	pitch ISO 868 tooth side to stee continuous A) without counte	er flexing	from / to number of teeth, t1 d1 d2	emboss 14 92A 2 3.4 0,3 -10 / 80 0 50 50	Shore mm kg/m² °C mm mm	0.08 0.7 14 / 176 1.97	in. Ibs/ft² °F in. in.		
Hardness body material Belt thickness Belt weight Coefficient of friction Operating temperature	pitch ISO 868 tooth side to stee continuous A) without counte	er flexing	from / to number of teeth, t1 d1 d2 number of teeth, t1	emboss 14 92A 2 3.4 0,3 -10 / 80 0 50 50 0	Shore mm kg/m <sup>2</sup> °C mm mm	0.08 0.7 14 / 176 1.97 1.97	in. Ibs/ft² °F in. in. in.		
Hardness body material Belt thickness Belt weight Coefficient of friction Operating temperature Minimum pulley diameter Belt width	pitch ISO 868 tooth side to stee continuous A) without counte	er flexing	from / to number of teeth, t1 d1 d2 number of teeth, t1 d1	emboss 14 92A 2 3.4 0,3 -10 / 80 50 50 0 100	Shore mm kg/m <sup>2</sup> °C mm mm mm	0.08 0.7 14 / 176 1.97 1.97 3.94	in. Ibs/ft² °F in. in. in.		
Hardness body material Belt thickness Belt weight Coefficient of friction Operating temperature Minimum pulley diameter	pitch ISO 868 tooth side to stee continuous A) without counter	er flexing	from / to number of teeth, t1 d1 d2 number of teeth, t1 d1	emboss 14 92A 2 3.4 0,3 -10 / 80 0 50 50 0 100 100	Shore mm kg/m <sup>2</sup> eC mm mm mm mm mm mm mm	0.08 0.7 14 / 176 1.97 1.97 3.94 3.94	in. Ibs/ft² oF in. in. in. in. in.		

### **Reference images**

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	Allow, tensile load	Spring force [N
	Linear open end & Torque [N]	Linear welded endless	Spring force [it
25	3800	1900	95000
50	8075	4037	201875
75	13000	6500	325000
Speed rpm [1/min]	Specific tooth force [N/mm]	Specific power [W/mm]	

Standard

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