



PU Linear CV 14M Steel NT 35

Article code: TBPU000133

General information

Productgroup	Timing belts, PU Linear
Industry segment	General industry; Building materials; Wood
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

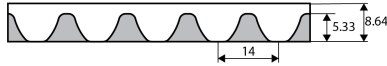
Food Grade (FG)	no
Anti-static (AS)	no
Oil & Fat resistance	Good

Technical data

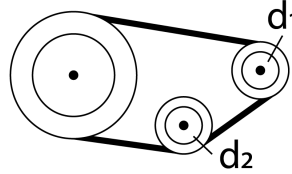
Tooth	profile		CV14M	
	pitch		14 mm	0.55 in.
Hardness body material	according to ISO 868		92A Shore	
Belt thickness			8.64 mm	0.34 in.
Coefficient of friction	tooth side to steel	dynamic	0.3	
Operating temperature	continuous	from/to	-10 / 80 °C	14 / 176 °F
Minimum pulley diameter	A) without counter flexing	number of teeth, t1	32	
		d1	139.81 mm	5.5 in.
		d2	160 mm	6.3 in.
	B) with counter flexing	number of teeth, t1	32	
		d1	139.81 mm	5.5 in.
		d2	250 mm	9.84 in.
Belt width			35 mm	1.38 in.
Endless length	minimum		1200 mm	47.24 in.
Manufacturing length	standard		100000 mm	328.08 ft.

Reference images

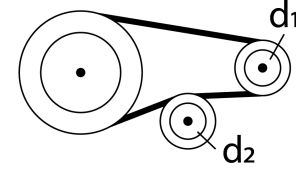
Side view



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 longitudinal 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]
35	11200	5600	44800	2800000
52.5	17680	8840	67200	4420000
70	23575	11787	89600	5893750
105	36210	18105	137600	9052500

Tooth load

Speed rpm [1/min]	Specific tooth force [N/mm]	Specific power [W/mm]	Specific torque [Ncm/mm]
0	1.6		
20	1.57		
40	1.54		
60	1.52		
80	1.49		
100	1.47		
200	1.37		
300	1.3		
400	1.22		
500	1.17		
750	1.05		
1000	0.96		
1250	0.89		
1500	0.83		
1750	7.7		
2000	7.2		
2500	6.4		
3000	5.7		
3500	5		
4000	4.7		

Pulley load

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