

pflug.



*Driving gear and conveyor
technology
Profiled belts
Continuous round belts
turned and plaited*

Welded Timing Belts in Short Lengths



PU-Timing Belts

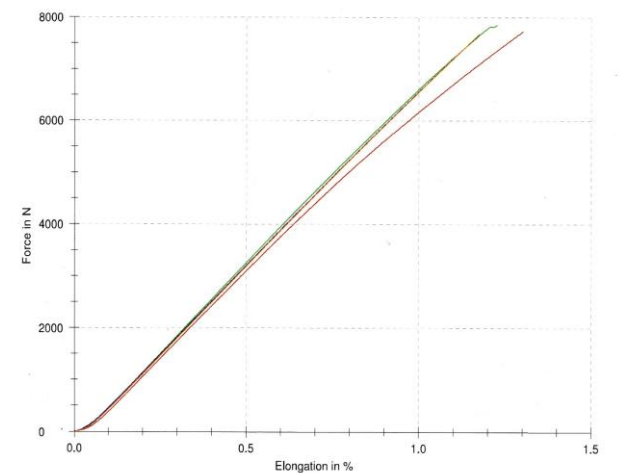
In our profile technology we manufacture and finish PU-Timing Belts in short lengths, mainly types and variations which are not available in sleeves, e.g. types with PA fabric on the tooth side, the back of the belt, antistatic fabric, coextruded back or with extruded guides.

TEST - BREAKING STRENGTH AND ELONGATION

Article	: ZR / SO_WE_20160217_002	Arrange	: endless
Tape Type	: 50 T5 1000-V (30) / V (40)	Testside inside	: Tooth-side
Dimension	: 1000x50x2,3	Measuring Head	: MK3 / 1 kN
Carcass	: Steelcord	Testing Velocity	: 20 mm/min
Coating	: new	Pretension Fv	: 50 N
Condition	: PFLUG	Tester	: M. Frey

Results:

Elongation at force:													
Leger	Nr	F _{max} N	F _{break} N/cm	dL(F _{max}) mm	250 N %	500 N %	1000 N %	2000 N %	Force at: 0,1% N	0,2 % N	0,5 % N	Type / Break	
⇒ 1	7725	3090	6,4	0,08	0,12	0,2	0,3	382	1061	3105	V 30 / at joint		
⇒ 2	7842	3140	6,1	0,07	0,11	0,2	0,3	441	1140	3261	V 30 / at joint		
⇒ 3	7316	2930	5,5	0,07	0,11	0,2	0,3	454	1136	3210	V 40 / at joint		
⇒ 4	7674	3070	5,8	0,07	0,11	0,2	0,3	432	1115	3197	V 40 / at joint		



50 T5 1000-V (30) + (40)

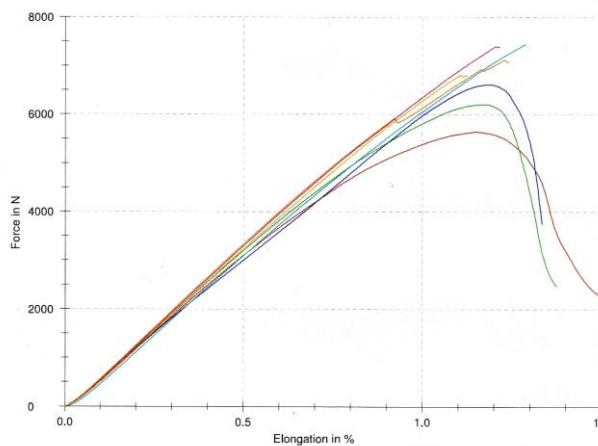
Breaking strength of the basic material: 6650 N
Breaking strength of the weld seam¹: 55 – 59 %

TEST - BREAKING STRENGTH AND ELONGATION

Article	: ZR / SO_WE_20160217_002	Arrange	: endless
Tape Type	: 25 AT5 1000-V (30) / V (40)	Testside inside	: Tooth-side
Dimension	: 1000x25x3	Measuring Head	: MK3 / 1 kN
Carcass	: Steelcord	Testing Velocity	: 20 mm/min
Coating	: new	Pretension Fv	: 50 N
Condition	: PFLUG	Tester	: M. Frey

Results:

Elongation at force:													
Leger	Nr	F _{max} N	F _{break} N/cm	dL(F _{max}) mm	250 N %	500 N %	1000 N %	2000 N %	Force at: 0,1% N	0,2 % N	0,5 % N	Type	
⇒ 1	5646	902	5,7	0,06	0,10	0,2	0,3	521	1193	3101	V 30		
⇒ 2	6208	992	5,8	0,06	0,09	0,2	0,3	534	1216	3204	V 30		
⇒ 3	6616	1500	5,9	0,05	0,09	0,2	0,3	556	1199	3004	V 30		
⇒ 4	7121	2830	6,1	0,05	0,09	0,2	0,3	571	1265	3333	V 40		
⇒ 5	7406	2960	6,0	0,05	0,09	0,2	0,3	551	1239	3298	V 40		
⇒ 6	7445	2980	6,4	0,06	0,11	0,2	0,3	463	1119	3098	V 40		
⇒ 7	6810	2720	5,5	0,06	0,09	0,2	0,3	534	1217	3232	V 40		



25 AT5 1000-V (40)

Breaking strength of the basic material: 6870 N
Breaking strength of the weld seam¹: 49 – 54 %

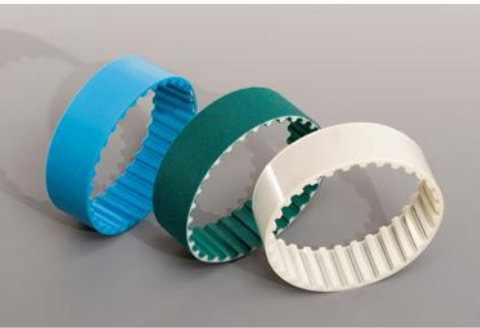
Deliverable types

	steel	HF	NFT	NFB	NFT/NFB	antistatic fabric	PU-Foil	Kevlar	NFT	NFB	NFT/NFB	antistatic fabric
20 T2,5	X											
16 T5	X		X	X	X	X		X	X	•	•	•
25 T5	X		X	X	X	X		X	X	•	•	•
32 T5	X		X	X	X	•		X	X	•	•	•
50 T5	X		X	•	•	•		X	X	•	•	•
100 T5	X		X	•	•	•		X	X	•	•	•
32 T10	X	X	X	X	X	•	X	X	X	•	•	•
50 T10	X		X	X	X		X	X	X			
32 AT5	X		X	•	X	•		X	X	•	•	•
50 AT5	X		X	•	•	•		X	X	•	•	•
50 AT10	X	X	X	X	X		X	X	X			
32 AT5 K6	X		X		X	X	•					
15 5M	X		X	•	•			X	X	•	•	
25 5M	X		X	•	•			X	X	•	•	
50 5M	X		X					X	X			
1" XL	X		X	•	•			X	X	•	•	
50 WR5	X							X				
100 WR5	X							X				
50 WR10	X	X						X				
100 WR10	X	X						X				

X available at short notice
• Delivery time on request



20 T2,5 from 250 mm



32 T10 from 310 mm
50 T10 from 320 mm



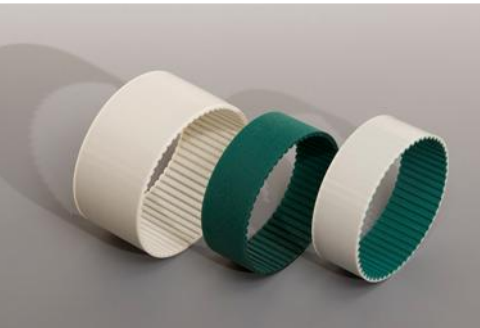
32 AT5 K6 from 330 mm



1" XL from 254 mm



16 T5 from 250 mm
25 T5 from 250 mm
32 T5 from 250 mm
50 T5 from 300 mm
100 T5 from 300 mm



32 AT5 from 270 mm
50 AT5 from 310 mm



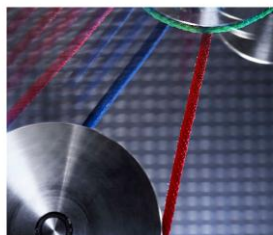
15 5M from 250 mm
25 5M from 250 mm
50 5M from 300 mm

50 AT10 from 320 mm
50 WR5 from 260 mm
100 WR5 from 300 mm
50 WR10 from 310 mm
100 WR10 from 320 mm

Further types and dimensions
on request

¹ Depending on the finger size and shape used. Tested on endless welded belts.

Company profile



Testing Service



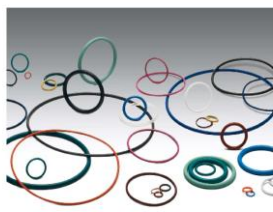
Welded timing belts in short lengths



Round belts for heat-setting machines



Endless injected round belts



Endless turned round belts



Endless plaited round belts



Hooked belts



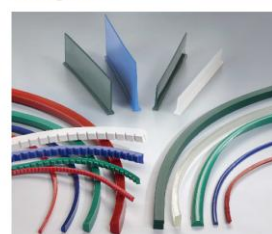
PU round- and profile belts



PU profile belts and special profiles



PU tracking guides, cleats and guides

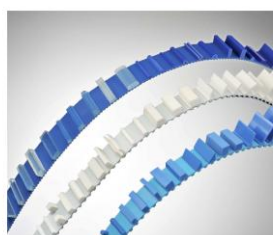


Food line

Types for the food industry compliant to EU/FDA



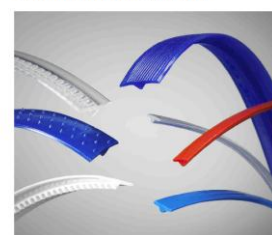
PU cleats and block profiles



PU Poly-V belts



PU-V-guide belts compliant to EU/FDA



PU coatings

