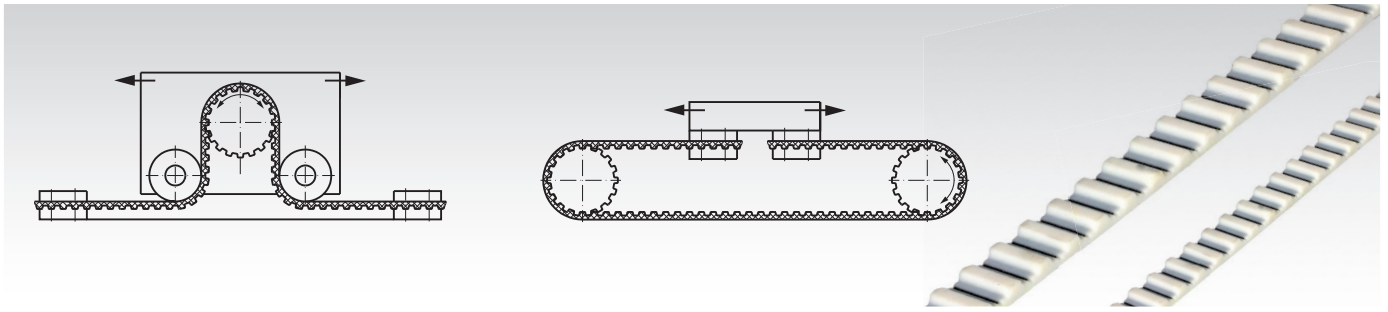


Open-Length Timing Belt from Thermoplastic Polyurethane (TPU), weldable



Material: Thermoplastic polyurethane (TPU), with steel tensile member. TPU belts can get welded (tensile force -50%).

Ordering Details: e.g.: 160 600 00, Open-Length Timing Belt T 2.5, Width 6 mm.

T Open-Length Timing Belts

Product No.	Profile	Belt Width mm	Belt Length max. m	perm. Tensile Force ¹⁾ N	Weight g/m	Matching Clamping Plate ²⁾ Product No.
160 600 00	T 2,5	6	50	72	15	160 699 00
160 700 00	T 2,5	10	50	120	25	160 799 00
162 600 00	T 5	10	100	330	25	162 699 00
162 700 00	T 5	16	100	528	40	162 799 00
162 800 00	T 5	25	100	825	63	162 899 00
162 870 00	T 5	32	100	1056	80	162 898 00
162 880 00	T 5	50	100	1650	126	162 899 01
164 600 00	T 10	16	100	1248	77	164 699 00
164 700 00	T 10	25	100	1950	120	164 799 00
164 800 00	T 10	32	100	2495	154	164 899 00
164 855 00	T 10	40	100	3120	193	164 899 01
164 860 00	T 10	50	100	3900	240	164 999 00
164 900 00	T 10	100	100	7800	480	164 999 01
165 600 00	T 20	50	100	7480	395	-
165 700 00	T 20	75	100	11220	585	-
165 800 00	T 20	100	100	18480	780	-

AT Open-Length Timing Belts

Product No.	Profile	Belt Width mm	Belt Length max. m	perm. Tensile Force ¹⁾ N	Weight g/m	Matching Clamp Plate ²⁾ Product No.
166 600 00	AT 5	10	100	700	34	166 699 00
166 700 00	AT 5	16	100	1120	55	166 799 00
166 800 00	AT 5	25	100	1750	85	166 899 00
166 870 00	AT 5	32	100	2240	110	166 898 00
166 880 00	AT 5	50	100	3500	170	166 899 01
168 600 00	AT 10	16	100	2080	101	168 699 00
168 700 00	AT 10	25	100	3250	158	168 799 00
168 800 00	AT 10	32	100	4160	202	168 899 00
168 830 00	AT 10	40	100	5200	253	168 899 01
168 860 00	AT 10	50	100	6500	316	168 999 00
168 900 00	AT 10	100	100	13000	632	168 999 01
169 600 00	AT 20	50	100	11200	493	-
169 700 00	AT 20	75	100	16800	740	-
169 800 00	AT 20	100	100	24800	987	-

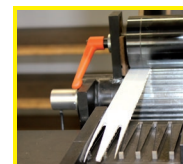
HTD Open-Length Timing Belts

Product No.	Profile	Belt Width mm	Belt Length max. m	perm. Tensile Force ¹⁾ N	Weight g/m	Matching Clamping Plate ²⁾ Product No.
173 661 00	5 M	10 ³⁾	100	780	48	173 199 00
173 663 00	5 M	15	100	1268	72	173 399 00
173 665 00	5 M	25	100	2145	120	173 599 00
173 667 00	5 M	50	100	4290	240	-
175 661 00	8 M	20	100	2640	140	175 199 00
175 663 00	8 M	30	100	3960	210	175 399 00
175 664 00	8 M	40	100	5280	280	-
175 665 00	8 M	50	100	7480	350	175 599 00
175 667 00	8 M	85	100	12700	595	175 799 00
175 668 00	8 M	100	100	14960	700	-
177 661 00	14 M	40	100	9000	454	177 661 99
177 663 00	14 M	55	100	12800	625	177 663 99
177 665 00	14 M	85	100	21600	964	177 665 99

¹⁾ Permissible force at open length. When welded, the force is reduced to 50%.

²⁾ Clamping Plates Page 171.

³⁾ Fits on pulleys for belt width 9 mm.



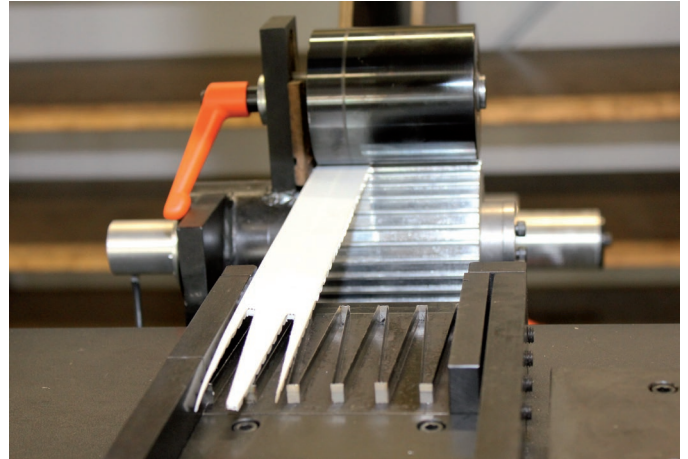
**Timing Belt Welding
within 24h-Service**

Other types and belt widths on request.

Timing Belts - Welding and Customized Products

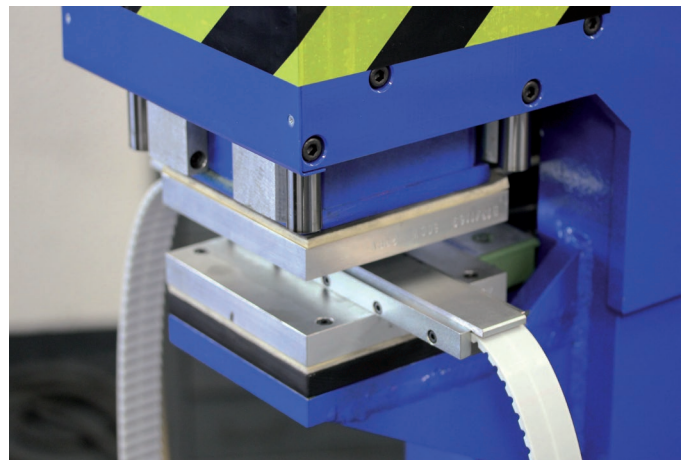
Timing Belts in Special Lengths:

- Open length belts from thermoplastic polyurethane (TPU) can get welded to endless belts of any number of teeth, beginning from pitch 2.5mm and width 6mm. Minimum length 420mm, depending on the belt profile and width.
- The welding is done directly in the timing belt stock of **MÄDLER®**. Normally, the welded belts should be sent to the customer within 24 hours after receiving the order.
- From one-off pieces to large series at very short notice.




Cutting and Welding of Timing Belts:

- The ends get punched into the shape of fingers.
- The welding is done at high temperature. By this, the plastic melts and leads to a homogenous structure.
- After cooling down, the belt is ready to use and can be shipped immediately.
- The tensile members don't get welded. So the tensile strength of a welded belt is approximate 50% of the open length belt.
- Alternatively, belts in special lengths also can get endless extruded. Minimum lengths and minimum order quantities have to be considered. Price and delivery time on request.



Price Calculator on the Internet:

- At www.maedler.de in the section Timing Belts and Pulleys, in the subsection Welding of Timing Belts.
- Quick overview about the stock range of profiles, widths and minimum lengths of weldable belts.
- After having selected a belt, you see the part number, product text and the prices for several quantities.



Preisberechnungstool für verschweißte PU-Zahnriemen

Profil:

Länge: Zähnezahl: 3750 mm
 oder
 mm:

Artikelnummer:

Artikeltext:

Stückpreis: 1 - 4 Stück:	61,22 €
5 - 9 Stück:	51,01 €
ab 10 Stück:	40,81 €

Other Special Belts (on request):

- Timing belts with teeth in V-formation.
- Self-tracking timing belts with central guide.
- Conveyor belts with texture or welded cams on the backside.
- Round belts and flat belts.
- V-belts and timing belts with tissue layer.
- Timing belts PAZ-PAR with polyamide fabric on the tooth side and also on the back side.

