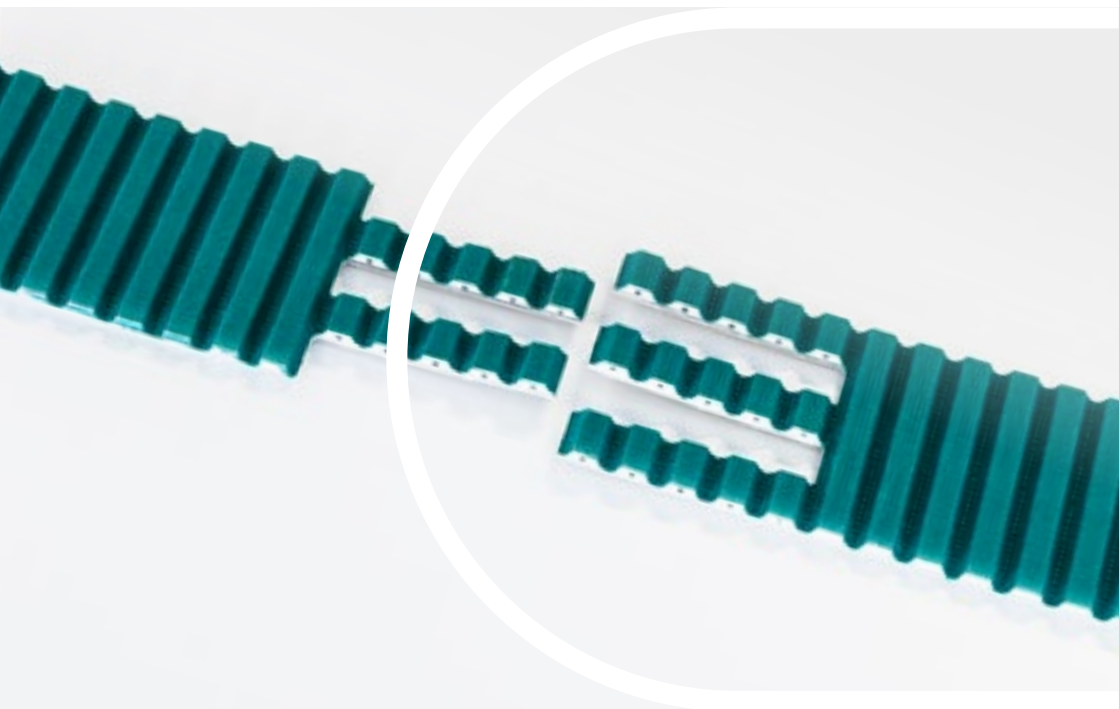


Assembly guide — for Pin-Joint



For timing belt types: T10, AT10, H, HTD8M

threaded pin M2 for final fitting:

length of threaded pin = TB-width + ~20mm

Pin-Joint 5 | 5 pcs

Pin-Joint 11 | 11 pcs

smooth pin $\varnothing 1,5\text{mm}$ for pre-installation:

length of smooth pin = TB-width + ~20mm

Quantity 3 pcs

For timing belt types: T20, AT20, HTD14M

threaded pin M3 for final fitting:

length of threaded pin = TB-width + ~20mm

Pin-Joint 5 | 5 pcs

Pin-Joint 11 | 11 pcs

smooth pin $\varnothing 2,5\text{mm}$ for pre-installation:

length of smooth pin = TB-width + ~20mm

Quantity 3 pcs

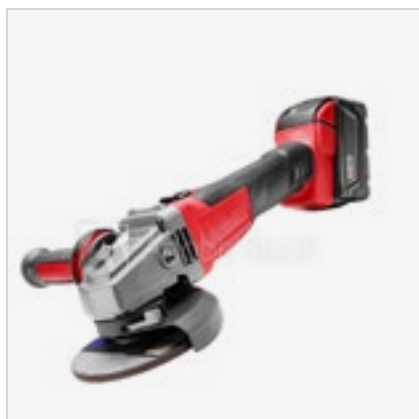
Cordless screwdriver



Hand held cutting tool



Examples of grinding tools for pins



02

Pulleys without flanges

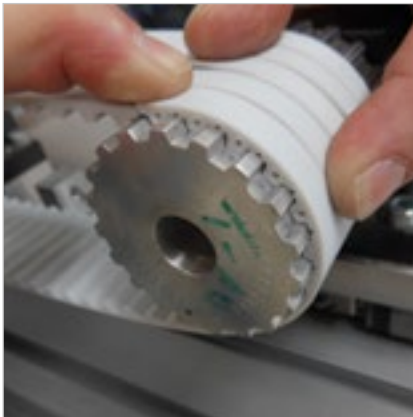
For installation on pulleys with flanges go to step 3.

2.1



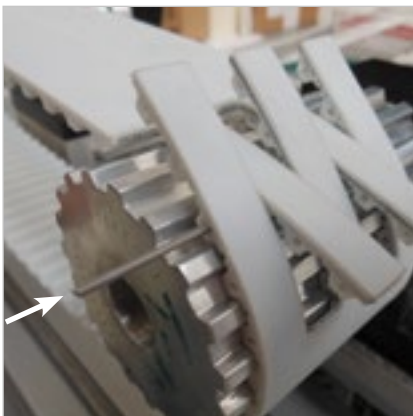
First place the fingers of the pin-joint around the pulley and hold them by with your hands.

To avoid any injuries we suggest you to wear safety gloves during the whole installation process.



2.2

Insert the smooth pin in the middle of the joint.



03

Pulleys with flanges

3.1

If you are installing the belt on pulleys with flanges, you won't be able to insert smooth pin in middle of joint on the pulley.

The easiest method is to carry out the installation in the middle of pulley center distance.

04

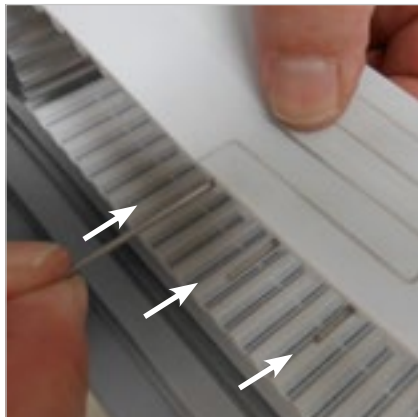
Pre-assembly

4.1

Turn the timing belt (if not already done as described in step 3.) so that the pin-joint connection is in a position between the pulleys.

4.2

Now insert two remaining smooth pins in last left and last right hole of pin-joint connection.



5.1

Insert threaded pin in cordless screw driver so that the free length of pin is longer as width of the belt.



6.1

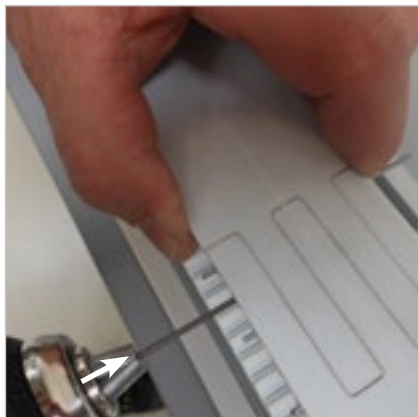
First the threaded pin has to be screwed in place without the smooth pin.

Screw it through the whole belt width and let a few millimeters be visible on both sides.

6.2

Now you can screw in other pins. Smooth pins have to be pushed out by screw pins while screwing.

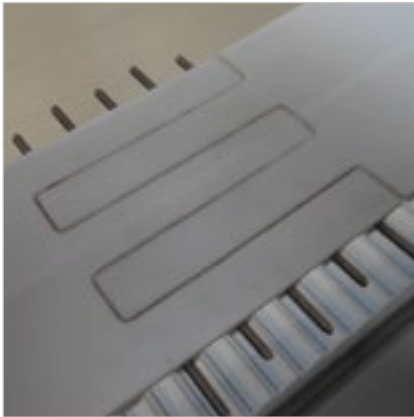
Screw the threaded pins through the whole belt width and let a few millimeters be visible on both sides.



7.1

Make sure that:

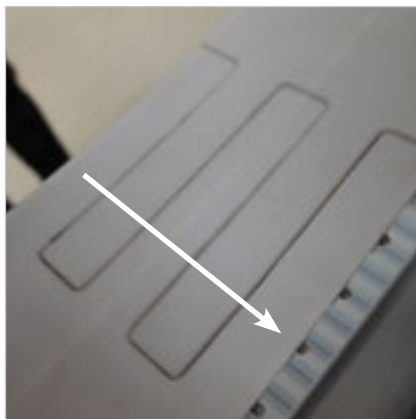
- all threaded pins are properly screwed in,
- all threaded pins have a few mm visible on both ends,
- all the gaps between the timing belt fingers are uniform.



8.1



Please put on your safety glasses in order to avoid any injury. Cut off pins, using a hand held cutting tool, as close as possible to the belt edge on both belt sides of belt



9.1



Wear safety glasses and hearing protection while grinding.

Grind off excess of pins on both sides of belt with recommended tools as on first page.

Take care:

Pay attention to leave no excess of pins on the sides. The timing belt edge must be smooth. Otherwise, no smooth running of the belt can be guaranteed.





Final inspection

10.1

If you have completed all the steps correctly, you are done with the assembly at this point.

Please start a short test run to ensure that the assembled timing belt is running properly.

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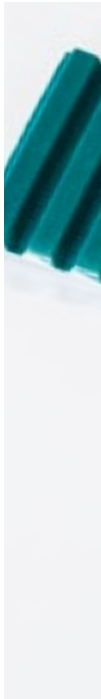
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