

High Performance Belt Drive

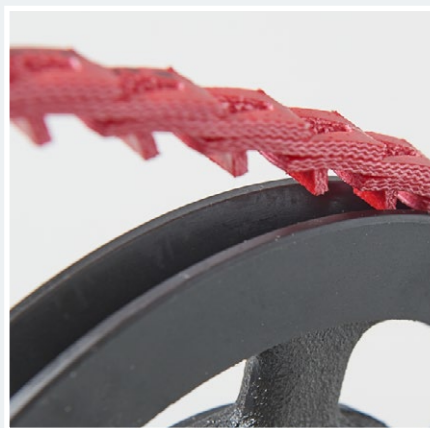
- Longer belt life
- Easier and faster installation
- Reduced vibration
- No welding required
- Minimized maintenance
- No connectors used



The Alternative

Made from polyurethane and reinforced with multiple layers of polyester, the new **POWERTWIST Drive** offers problem solving for welded round or V-belts.

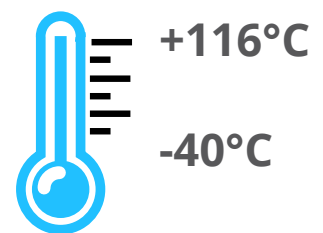
Without changing drive components, the link belting fits every existing installation and standard pulley.



Harsh climate?

With operating conditions from -40°C up to +116°C and a high, permanent resistance against oil, grease, water and many common

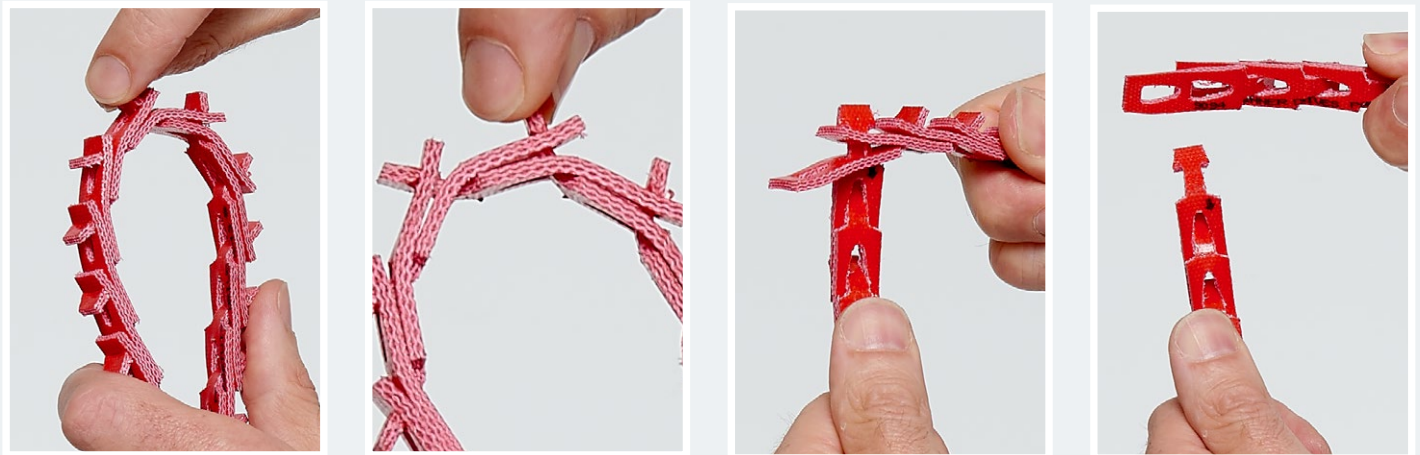
solvents, **POWERTWIST** is the key. Of course abrasion is many times lower in comparison to conventional rubber belts.



Fast and easy installation

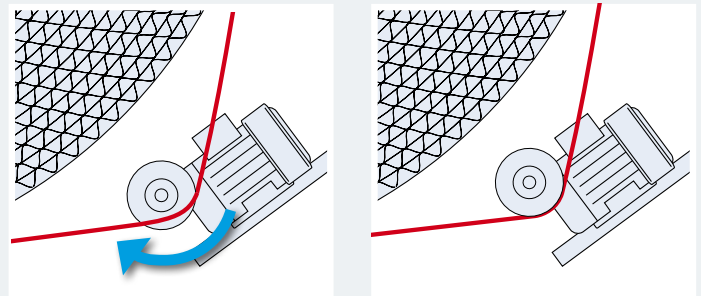
Disassembly of drive components? Use of tools? No, thanks!

Introducing the "quick connect" design, the belt can be made up to length by hand and rolled onto a pulley – just like a bicycle chain.



Minimized maintenance

POWERTWIST Drive eliminates annoying re-tensioning after a certain run-in. The tabs on the belt have been pre-seated, therefore a proper belt installation provides the fit and forget effect. Improper tensioning can be easily corrected: Roll off the belt, remove a link by hand, roll the belt back on – done!



Reduced transmission of vibrations

Under work load, POWERTWIST shows a harmonized distribution of tension inside the belt, which cannot be found in conventional endless belts. Therefore the belt does

transmit less vibrations in bearings of drive systems, which extends their lifetime expectation. At the same time no metal joints are dragged through the pulley. This

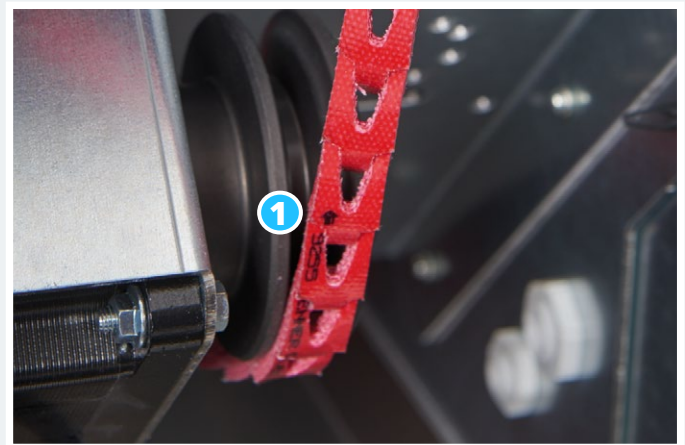
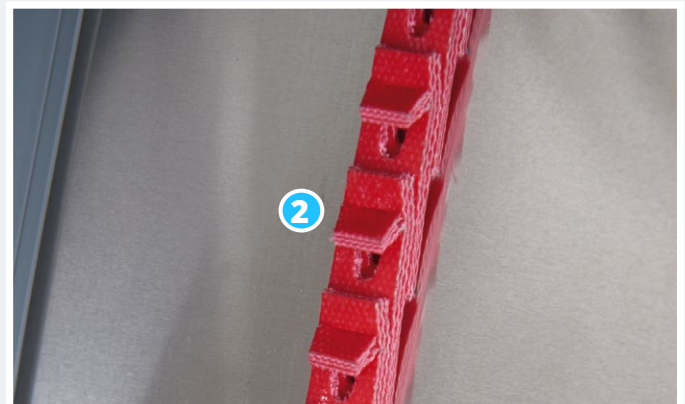
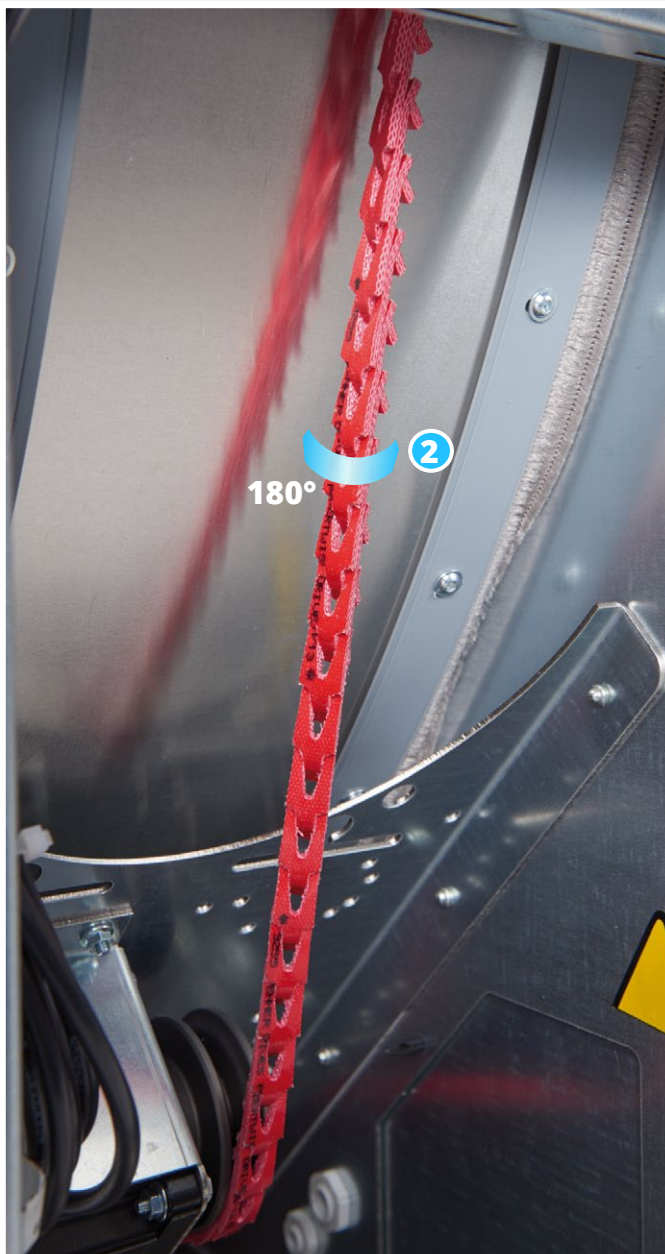
makes POWERTWIST an ideal partner for Klingenburg's latest step drives.



Installation Notes

While mounting please note that the belt's directional pattern must match the heat wheel's direction of rotation. To ensure this, the belt is clearly marked with an arrow **1**.

After few rotations the belt will twist and turn its locking pins inside out **2**. The flat surface stays on the back of the heat wheel, whereas the locking pins will point towards the groove of the pulley as intended **1**.



Installation- and assembly video

<http://www.klingenburg.de/en/downloads/all-documents/videos/>

