

# BURSTFIX - Tensioning system for short pipes

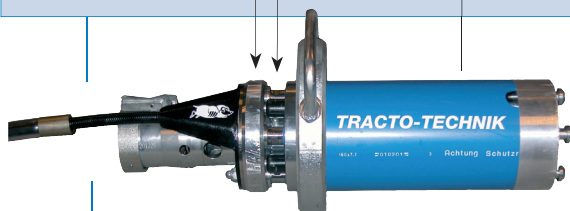
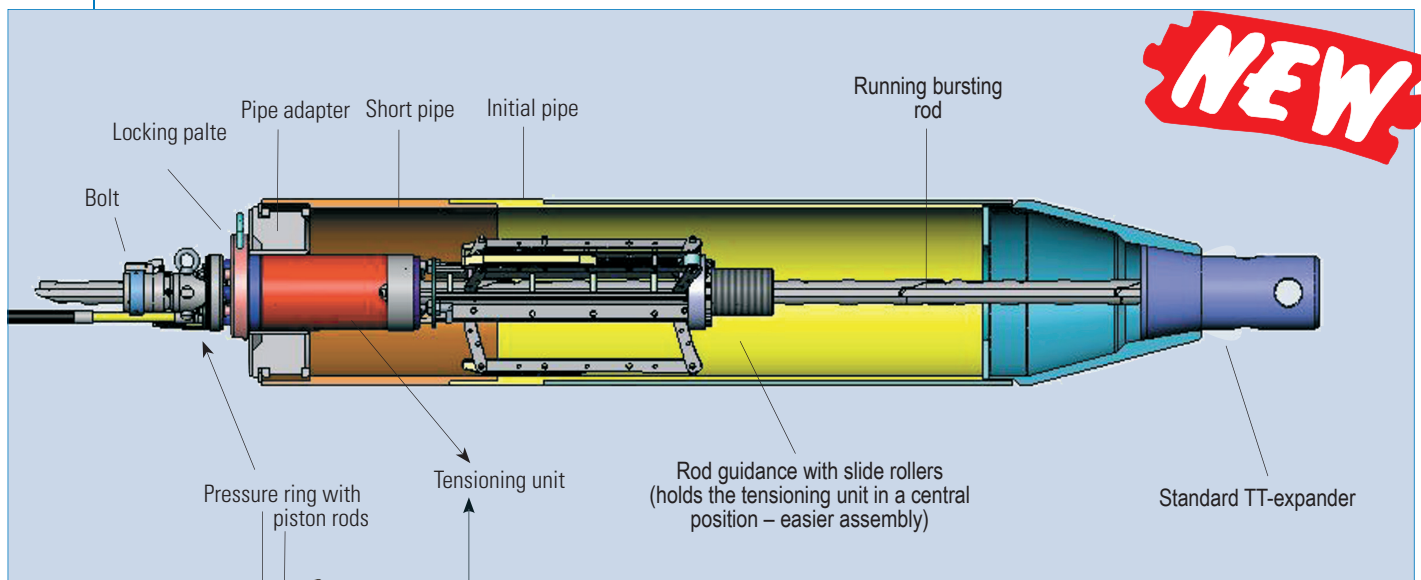
## Why Burstfix?

Unlike a welded pipe string or pipes from a coil, a stable unit for pulling must be produced with the expander when installing short pipes. This is achieved simply and quickly with the Burstfix tensioning system.

The **Burstfix tensioning system** is applied when pulling in short pipes. Short pipes are required:

- in tight working conditions i. e. lack of space to outlay longer pipes
- when installing pipes from manhole to manhole
- in larger installation depths, as long pipes require more space when being pulled in
- when using the pipe bursting and TIP method

The **Burstfix tensioning system** guarantees a safe pipe pulling-in process behind the expander and tight socket connections. The **Burstfix tensioning system** is not only applicable for short pipes with smooth socket connections, but also for short pipes with grid connections. The **Burstfix tensioning system** forms a unit consisting of the relevant standard type **TT-expander** within the 200 - 690 mm diameter range, the **rod guiding system** with slide rollers and the **tensioning unit** itself with pipe adapter, locking plate and pressure ring. The **Burstfix tensioning system** is operated with a portable hydraulic power unit – the functions are activated via remote control. The permissible tensioning force for each pipe can be preset at the hydraulic unit



View inside the canal manhole with Burstfix.



**Working principle:** First of all the bursting rod is extended and the new short pipe module is plugged into the short pipe already pulled-in. The tensioning unit then automatically drives over the tensioning rods to the rear, the pipe adapter with the locking plate is inserted and the pressure ring is fixed in place with a bolt inside the rod. With the pipe adapter any size of short pipe modules can be adapted. The cylinders are now driven out up to a maximum length of 230 mm via a remote control. The pipe pulls itself together to form a string and can be tensioned up to max. 200 kN. Gradually, as the bursting progresses, all short pipes are pulled in. With Burstfix tensioning out of a 1000 mm manhole is possible with such a high tensioning force is possible for the first time.



Burstfix in a short pipe module

## Technical data

Tension force:	200 kN (20t)
Hydraulic pressure:	700 bar
Max. tension length:	230 mm
Weight:	31 kg
Bursting rod:	400 G3 / 400 S
Inner pipe Ø:	165 mm (min.)

Electrically operated high-pressure hydraulic power unit 2,2 kW (or similar)



THE ONLY CHOICE FOR PERFECT PIPE INSTALLATION

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