



## OPERATING INSTRUCTIONS FOR HIGH PRESSURE TEST PLUGS

### Installation

1. The pipe ends which have to be shut off should be clean and if possible dry and free of grease or oil.
2. The installation of the devices is only allowed for persons who are reliable and instructed.
3. Before every use, the plug has to be inspected i.e. the outside diameter of the device has to fit to the pipe inside diameter.
4. The devices have to be inserted exactly vertical to the pipe axle or right-angled resp.
5. Tighten the nut until the rubber rings are lined up against the pipe wall.
6. All plugs must be suitably braced.
7. Tighten the nut as much as possible so the plug is pressed against the pipe wall.
8. During the pressure test do not stand in front or behind the plug as this can be very dangerous.

### Removal

1. The removal of the bracing and the device is only to be carried out if there is absolutely no back pressure left in the pipe.
2. Loosen the nut on the plug and remove the bracing equipment and the plug

### ATTENTION

AT PRESSURE TESTS WITH WATER YOU HAVE TO PAY ATTENTION THAT THE PIPES AND POSSIBLY THE OUTGOING CONNECTING PIECES/NECKS ARE TOTALLY DEAERATED.

AT ALL PRESSURE TESTS THE PLUGS HAVE TO BE (ACCORDING TO THE RULES OF SAFETY) POSITIVELY BRACED.

PAY ATTENTION TO THE SAFETY RULES FOR PIPELINE CONSTRUCTION WORKS.