

EN

INSTALLATION INSTRUCTION

PSI guiding rail to prevent the PSI polymer roller rings and the carrier pipes from turning during the feed through.

Installation and start-up may only be performed by technically trained, skilled persons who are familiar with the safe way of working. All relevant health, safety and accident prevention regulations must be observed. When unloading the packaging units upon delivery and during transport on the construction site, exercise caution and pay attention to the symbols on the packaging. Damage to property and injuries to persons can occur in the case of improper transport and inappropriate use.

Please ensure that the bolts are greased / lubricated sufficiently so as to avoid damage to the threads due to friction ($\mu = 0.14$). All parts must be stored off the ground in a clean, dry indoor area and must always be kept free of contamination.

Scope of supply

- Guide rail in individual length
- Fixing anchors (only for concrete protection pipes or protection pipes which may be drilled)
- Marking template to indicate the correct position (only with non-aligned positioning from the axis of the casing pipe)

The guide rail has to be fitted/welded to the casing pipe onsite.

For casing pipes made of concrete or pipes that may be drilled, the guide rail must be fitted with fixing anchors. In casing pipes made of steel, the guide has to be welded on.

Please note that persons are only allowed to enter the casing pipe from a nominal diameter of 800 mm or more. In any case that the pipe inside diameter is less than 800 mm, the end customer has sole responsibility (for safety) during the installations in the casing pipe, and has to adhere to the existing standards and regulations for the particular application.

When drilling and fitting the fixing anchor the installation instructions of the fastening manufacturer must be considered

Variant 1

Position of the guide rail exactly at the bottom of the casing pipe (See approval drawing):

- Position of the guide rail with the closed side to the bottom in the vertical casing pipe axis. Align with suitable tools (e.g. spirit level, plumb).

Variant 2

Position of the guide rail laterally on the inside of the casing pipe (See approval drawing):

- The marking template has to be aligned step by step in the casing pipe using a spirit level. There is a suitable large gap in the marking template at the correct position for the guide rail. In this way the guide rail can be positioned at the right point in the casing pipe and this point can be indicated, for example with a colored pen.

In the case of offsets in the casing pipe or other obstructions/unevenness in the casing pipe, it is recommended to weld the straight joints of the guide rail to each other on both inner sides. This ensures an outside even flush to guide the polymer roller rings

Notes for casing pipe end seals

In the area where casing pipe end seals are installed (e.g. PSI special kompakt seals) the guide rail have to be shortened so that the seal can be installed in the casing pipe to form a tight seal. It is also important to notice that no fixing holes should be drilled during the installation of the guide rails in this sealing area.

Tightening torque

Nuts of the fixing anchors M 12: 50 Nm

Tools

Cleaning material (preparations), torque wrench, measuring tool, impact drill, welding equipment, technical equipment (for site safety devices), technical devices (e.g. spirit level).

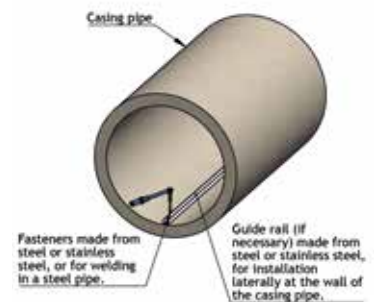
Guiding rail
(concrete casing pipe)



Marking template



Position of the guide rail in
vertical casing pipe axis (Variant 1)



Position of the guide rail
laterally (Variant 2)

