GENERAL INFORMATION

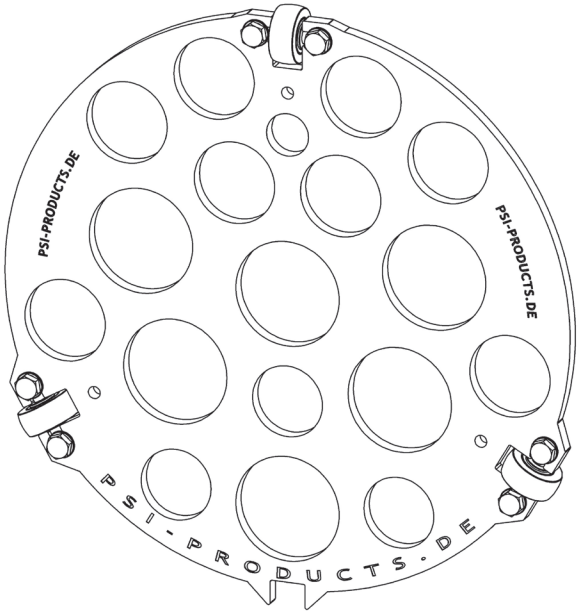
PSI polymer roller rings are designed so that they guide and support the carrier pipes during the feedthrough into the casing pipe. There is no force locking of the pipes.

PSI polymer roller rings are designed according to customer requirements. We will gladly advise you on the design options.

The gap to the casing pipe and the possible additional openings in the polymer roller rings facilitate a better flow of filling material in the casing pipe (as required).

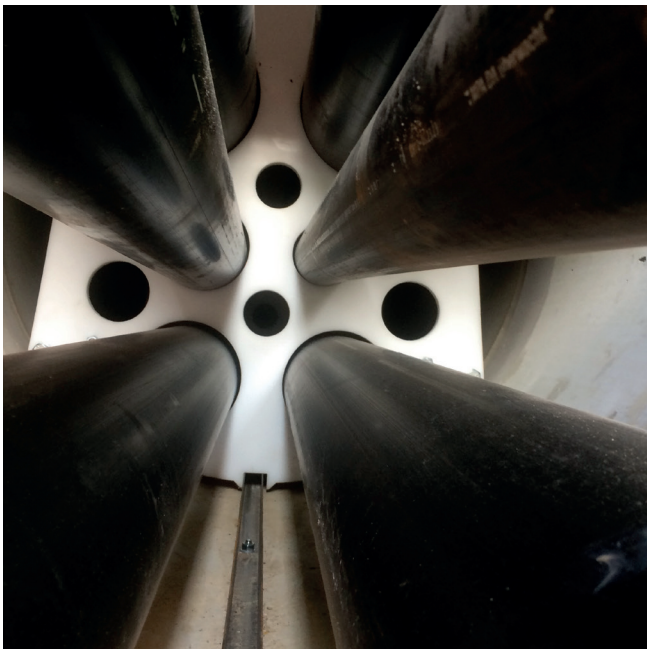
Connection of the polymer roller rings to each with a pull rod (galvanized). This ensures that all polymer roller rings are installed with the same support distance. The feedthrough of the carrier pipes is carried out evenly across the pull rods of the polymer roller rings and the carrier pipes.

In case of socket connections of the carrier pipes (e.g. electrofusion sockets), the sockets can be placed so they are in contact with the polymer roller ring (depending on available space). This prevents axial displacements of the carrier pipes in the feedthrough direction.



The following further advantages are provided:

- Feedthrough for high-voltage cables
- Suitable for separating the media pipes from each other
- Suitable for many types of carrier pipes
- Wheels arrangement in a star-shape. In case of turning of the carrier pipes during the feedthrough, there is always a sufficient distance to the casing pipe (if no guide rail is used or is possible)



TECHNICAL DATA

Polymer roller rings mainly consist of the following components:

- The basic polymer disc is made of polyethylene with corresponding drill holes and gaps for carrier pipes. The drill holes are slightly bigger than the outside diameter of the carrier pipes
- Possible additional openings (as required) which facilitate a better flow of filling material
- Polyamide wheels with nuts and bolts and steel axle
- Connection of the various polymer roller rings to each other with pull rods (galvanized)
- Guide rail to prevent turning (if necessary) that is installed in the casing pipe on site. The working space in the tunnel must be sufficient in accordance with the DGUV standard

PSI polymer roller rings are suitable, for example, for feed-through with several cable pipes and plastic pipelines for electricity, gas and water supply.

Carrier pipes for fixed sleeve connection, e.g. electro-fusion sockets for PE-HD pipes.

Cable pipes in coil or roll form can be integrated into cut-outs of the polymer roller rings. These carrier pipes must additionally be tensioned using tensioning straps or cable ties.