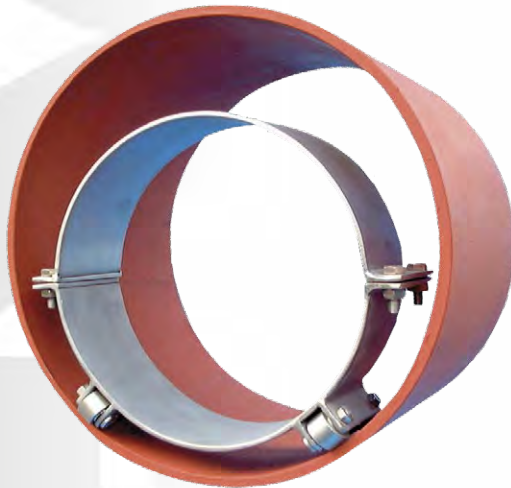
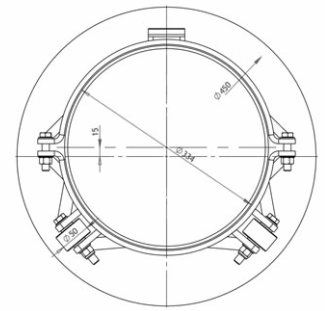


## Steel Wheel Insulator Type SWIK

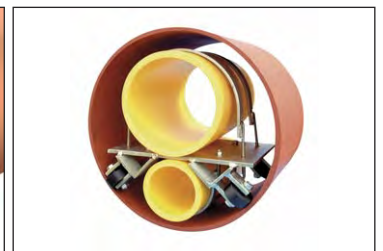
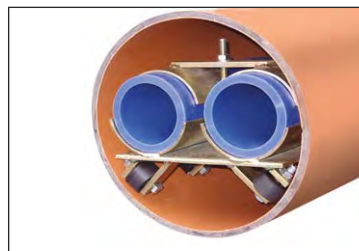
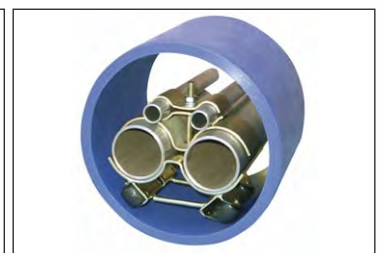


- for inserting multiple carrier pipes of considerable length and weight, at high medium temperature, strong pressure in large diameters and wide gap between casing and carrier pipe can be placed in concentric or eccentric positions
- made of galvanised or stainless steel, equipped with steel or plastic rollers
- consisting of two semi-circular halves, assembled with high resistant galvanised or stainless steel hexagonal bolts and nuts
- sized according to pipe weight
- not dielectric



## Insulator for Multi-Pipe Clusters

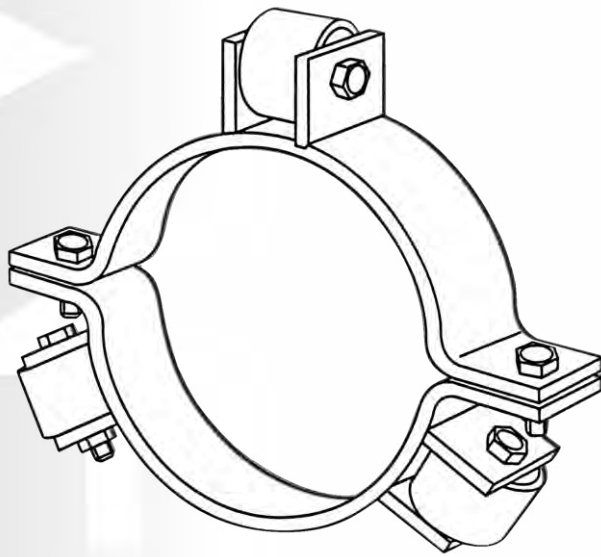
- for proper positioning and insulating of several carrier pipes in only one casing
- consisting of a galvanised carrying frame, HDPE wheels for small and metal wheels for large diameter pipes
- diameters from 50 to 3000 mm
- wall thickness adapted to the size and weight of the carrier pipe
- made to order



## Steel Insulator Type STEK



- designed to carry heavy loads from large pipelines
- made of steel flat bars, thickness is selected according to the weight of the carrier pipe
- galvanised S 235 and stainless steel 1.4307
- DN 50 to DN 3000
- **legs can be manufactured with different fixed heights** (minimum leg height 20 mm)
- the axis of the carrier pipe parallel to the casing pipe
- top legs must be shorter than lower skids
- the sliding runner is a wear cap made of tough durable polyethylene
- the runner is attached to the steel led with embedded steel fasteners providing high resistance to shearing forces which develop during dragging the carrier pipe into the casing pipe
- often used for reinforcement between non-metallic units e.g. every third or fourth spacer can be a steel insulator which may be added
- when used with cast iron pipelines spacers can be connected with bracing to add further strength to the system
- this type of insulator conduct electricity



## Steel Roller Ring

- consisting of two halves connected by means of screws
- rollers are fitted between welded-on struts

### Material

- ring halves and nuts: 2 mm steel plate
- rollers: polyamide, arnitel or steel
- tiebars and screws: hot-dip galvanized steel

### Roller ring with clamping ring for positive sleeve connection

- this roller ring has 3 additional struts.
- the two rings are connected by the tiebars.
- as the roller ring is fixed behind the socket whereas the clamping ring is fixed to the next pipe end, the tiebars ensure positive connection.

