

## 1. Intended use / product description

**Medium:** Potable water / Gas / Sewage water

**Material:** Round threaded cap (DN 50 - 200): GJL-250, Hawle epoxy powder coated  
Spindle head and square socket: GJS-400, galvanized  
Key tube and key bar: Steel, galvanized  
Feed and protection pipe: PE-HD

Extension spindles are used to actuate shut-off valves in underground pipeline construction. Telescopic extension spindles allow infinitely variable adjustment to the existing pipe cover depth. When laying the pipes and during installation, it is necessary to refer to and comply with applicable standards and regulations, accident prevention regulations and regulations from trade associations. Installation should only be carried out by qualified personnel.

## 2. Assembly / Operation

The extension spindle is screwed clockwise onto the round thread of the shut-off valve by means of a round threaded cap (for gate valves DN 50 - DN 200) and hand-tightened. At the same time, the extension spindle is assembled perpendicularly.

An additional pinning of the square socket of the extension spindle and spindle of the shut-off valve is therefore not necessary.

The shut-off valve is then filled with the installed extension spindle. It is essential to ensure that deformation of the feed and protection pipe made of PE-HD is excluded.

For filling, we recommend compactible sand or suitable compactible material - the same as for the shut-off valve. Only careful filling in layers ensures that the extension spindle functions perfectly.

Particularly in the case of cohesive soils, the correct sanding or filling with compactible material of the valve and extension spindle must be ensured in order to achieve frost resistance.

Operating keys according to DIN 3223 are suitable for operation. Extensions and the like are inadmissible.

Finally, the support plate and surface box are installed centrally around the operating square of the extension spindle. The necessary street level and sufficient distance between the upper edge of the operating square and the lower edge of the street cap cover must be taken into account (at least 90 mm cf. W363). The respective installation instructions of the manufacturer must be observed.

To prevent the key square of the extension spindle from sinking, we recommend using the extension spindle in combination with the Hawle Universal base plate for surface boxes for gate valves and valves Order No. 204. The two retaining brackets of the extension spindle are hooked into the recesses of the base plate.

## 3. Service and maintenance

The telescopic extension spindle is maintenance-free.

## 4. Commissioning and pressure testing

After filling, a functional check of the extension spindle must be carried out.

**Should you have questions or need further information, please contact:**

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