

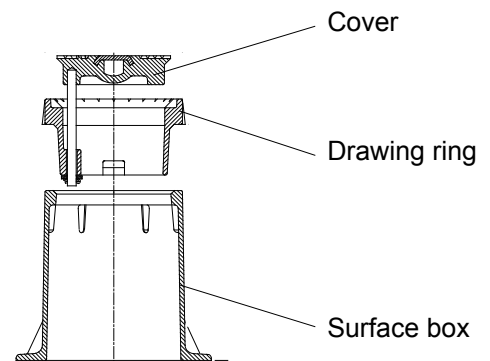
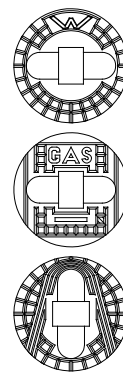
## 1. Intended use / Product description



Surface box for  
valves  
Ord.No. 180-02



Surface box for  
gate valves  
Ord.No. 200-02



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

**Material:** Surface box: GJL-200, dipped black  
Drawing ring: GJL-250, dipped black  
Cover: GJS-400, Hawle epoxy powder coated  
Positioning pin: stainless steel

The Hawle surface box for gate valves or valves, height adjustable, is preferably used for installation in bituminous traffic areas.

Installation in paved areas with sand or chippings grouting is not possible. In this case, the rigid version of the surface box for valves or gate valves ord. no. 180-00 or 200-00 must be used.

For height adjustment extension rings ord. no. 181-01, 181-02, 201-01 oder 201-02 can be used.

Compared to conventional surface boxes the angle seat at the cover and the box provides for reduced rattling of the cover.

To avoid contact corrosion between the cover and the box, on the one hand, and to ensure that the cover comes loose easily, on the other hand, the latter is powder-coated.

The cover is connected to the surface box via a positioning pin with split pin and washer.

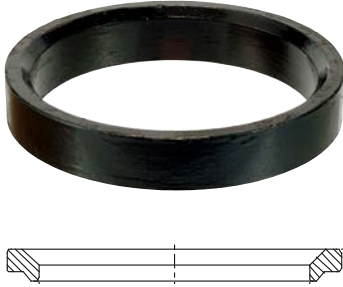
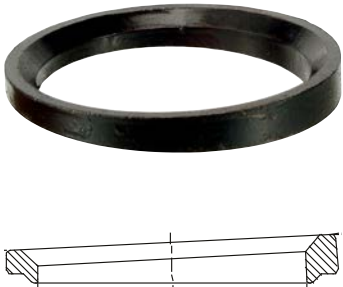






















Size: according to DIN 4057 ( Surface box for gate valves ) or DIN 4056 ( Surface box for valves )

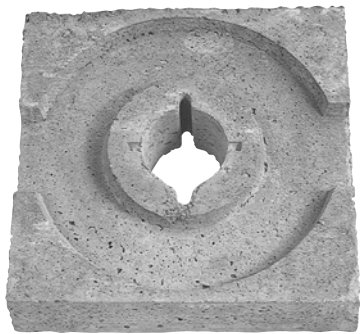
During installation and maintenance operations, the applicable standards and guidelines, accident prevention regulations, road traffic regulations and the regulations of professional associations are to be observed and complied with.

Installation and maintenance operations may be performed by qualified personnel only.

## 2. Assembly

### Accessories:

		
<p>  </p> <p><b>181-01</b> Extension ring for surface box for valves <b>201-01</b> Extension ring for surface box for gate valves</p>	<p>  </p> <p><b>181-02</b> Tapered extension ring for surface box for valves <b>201-02</b> Tapered extension ring for surface box for gate valves</p>	<p>  </p> <p><b>204-00</b> Universal base plate for surface boxes for gate valves and valves</p>
<p>Material: GJL-250, dipped black</p>	<p>Material: GJL-250, dipped black</p>	<p>Material: Polyamide, glass fibre reinforced</p>
<p>The extension ring permits a height adaptation of the Hawle surface box for valves mod. no. 180-02 or surface box for gate valves ord. no. 200-02 to road level. Dismantling of the surface box is not required.</p> <p>The installation of extension rings prevents the drawing ring from settling.</p> <p>H: 10mm, 20mm, 30mm, 50mm</p>	<p>The tapered extension ring permits height and inclination adjustment of the Hawle surface box for valves mod. no. 180-02 or surface box for gate valves ord.no. 200-02 to the level and slope of the traffic surface.</p> <p>Dismantling of the surface box is not required.</p> <p>H: 10mm, slope: 3°</p>	<p>The universal base plate for the Hawle surface box for valves mod. no. 180-02 or surface box for gate valves ord.no. 200-02 serves the purpose of centring the surface boxes, on the one hand, and of reliably fixing the Hawle telescopic extension spindles, on the other hand. Due to the round shape, the base plate can also be used in confined mounting situations.</p> <p>The low weight of the universal base plate makes it easy and uncomplicated to set.</p> <p>The universal base plate is made of break-proof, stable and rot-proof material.</p> <p>Installation height: 20 mm</p>
		
<p>  </p> <p><b>597-00</b> Extraction tool for surface box for valves and gate valves</p>	<p>  </p> <p><b>204-03</b> Insert for concrete base plate <b>- only for surface box for valves ord.no. 180-02 -</b></p>	<p>  </p> <p><b>204-01</b> BAIO®-base plate <b>- only for surface box for gate valves ord.no. 200-02 -</b></p>
<p>Material: Steel</p>	<p>Material: Plastic</p>	<p>Material: Polyamide, glass fibre reinforced</p>
<p>Das Ziehgerät dient zur Höhenverstellung der zweiteiligen Ventilkappen Best.Nr. 180-02 und Schieberkappen Best.Nr. 200-02.</p> <p>The pulling device is used for the height adjustability of the Hawle surface box for valves mod. no. 180-02 or surface box for gate valves ord.no. 200-02.</p>	<p>The inserted plastic part serves the purpose of reliably fixing the Hawle telescopic extension spindle (Ord.No. 960-00, 960-01, 962-00 und 962-01) when using commercially available concrete base plates for service valve surface boxes to DIN 4057.</p> <p>This prevents the installation set from sinking unintentionally.</p>	<p>The BAIO®-base plate für surface boxes for gate valves ord. no. 200-02 is used in confined installation situations (e.g. slider crosses) to centre the road caps and to securely fix the Hawle telescopic installation sets.</p> <p>The low weight of the support plate makes it easy and uncomplicated to set.</p> <p>The individual base plates can be easily and flexibly assembled to the respective installation situation in just a few steps.</p> <p>Installation height: 23 mm</p>



**204-02**

Base plate of concrete

**- only for surface box for gate valves  
ord.no. 200-02 -**

Material: Concrete

The base plate for surface boxes for gate valves ord. no. 200-02 serves to centre the surface boxes, on the one hand, and to reliably fix the Hawle telescopic extension spindles, on the other hand (DN 50 - DN 200).

Installation height: 55 mm

## 2.1 Installation of the surface boxes

1. Remove the newly laid base layer in the area of the surface box to be placed.  
Create a sufficiently large area for compaction around the new surface box using a tamper.
2. Set the surface box and base plate sufficiently deep, so that the upper edge of the surface box and the upper edge of the top layer are the same.

Total dimension surface box and base plate

	surface box	base plate	Total dimension
Surface boxes for valves	250	20	270
Surface boxes for gate valves	270	20 ( base plate Ord.No. 204-00 )	290
	270	23 ( base plate Ord.No. 204-01 )	293
	270	55 ( base plate Ord.No. 204-02 )	325

**Attention:** For the removal of the traffic loads, a support plate must be installed when installing the surface boxes. For this purpose, the subgrade under the base plate must be sufficiently compacted.

3. Place base layer around surface box.
4. Ensure sufficient compaction around the surface box using a tamper!
5. Apply top layer.

## 2.2 Height adjustment of the surface boxes

### Replacement of the top layer:

1. Pull the drawing ring out of the lower part of the surface box using extraction tool Ord.no. 597-00.
2. Mill off the top layer.
3. Re-insert the drawing ring into the lower part of the surface box and place it on the upper edge of the new top layer by inserting extension rings ord. no. 181-01 or 201-01 10mm, 20mm, 30mm or 50mm in height between the surface box and drawing ring.
4. Apply new top layer.

### **3. Maintenance and servicing**

Hawle surface boxes for valves or gate valves, height adjustable are maintenance free.

### **4. Commissioning/Pressure test**

There are no separate instructions for commissioning for the Hawle surface boxes for valves or gate valves, height adjustable.

**If you have any other questions or if you need more information please contact:**

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