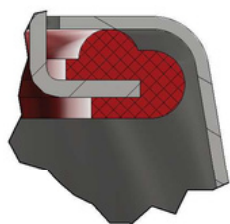


## 3.1 inspection Opening 340x440

### Standard design

- ⊙ Wetted material: 1.4571
- ⊙ Attachment parts: 1.4301
- ⊙ Stainless steel toggle with brass insert (M22)
- ⊙ Natural rubber-gasket (dark red)
- ⊙ Surface unpolished, pickled
- ⊙ EU-type examination: see chart
- ⊙ Design Code: AD 2000-Merkblatt (with EU-type examination)

loose seal



### Options

- ⊙ Wetted materials: 1.4404, 1.4435, 1.4539, 1.4462
- ⊙ Various gasket qualities
- ⊙ Various surface qualities (glass-bead blasted, pickled or polished up to  $Ra < 0,4 \mu m$ )
- ⊙ Neck length up to 150 mm, neck thickness up to 6 mm
- ⊙ Neck shaped to match tank-diameter
- ⊙ Swivel feature
- ⊙ Various limit- / proximity-switches
- ⊙ Various Design Codes: ASME VIII-1
- ⊙ Optional (partial) with ASME-approval Sec. VIII-1, latest Edition (additional surcharge, design-changes possible)

vulcanized seal



## With EU-type examination

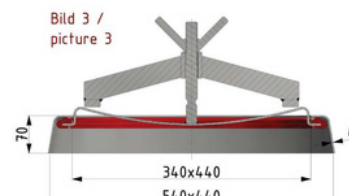
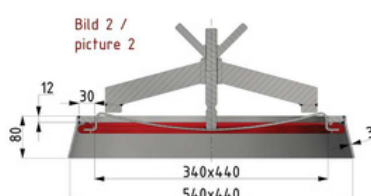
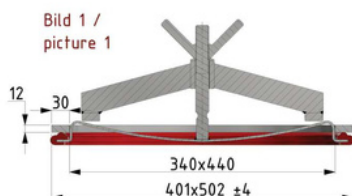
Inspection Opening (4mm thick): 3 bar / 250°C, 4 bar / 150°C, 5 bar / 50°C, PT = 7,5 bar at 20°C

Inspection Opening (6mm thick): 6 bar / 150°C, 8 bar / 50°C, PT = 11,4 bar at 20°C

| Article No. | Description                                                                                                               | Weight [kg] |
|-------------|---------------------------------------------------------------------------------------------------------------------------|-------------|
| 101406      | Inspection opening (4 mm thick), with welding ring (30x12 mm), without swivel feature (picture 1) (for max. 5 bar / 50°C) | 12.1        |
| 101606      | Inspection opening (6 mm thick), with welding ring (30x12 mm), without swivel feature (picture 1) (for max. 8 bar / 50°C) | 14.9        |
| 101406K     | Inspection opening (4 mm thick), with neck (3x80 mm), without swivel feature (picture 2) (for max. 5 bar / 50°C)          | 15.4        |
| 101606K     | Inspection opening (6 mm thick), with neck (5x80 mm), without swivel feature (picture 2) (for max. 8 bar / 50°C)          | 19.5        |
| 101409      | Inspection opening (4 mm thick), with welding ring (30x12 mm), with swivel feature (picture 1+4) (for max. 5 bar / 50°C)  | 13.4        |
| 101609      | Inspection opening (6 mm thick), with welding ring (30x12 mm), with swivel feature (picture 1+4) (for max. 8 bar / 50°C)  | 15.6        |
| 101409K     | Inspection opening (4 mm thick), with neck (3x80 mm), with swivel feature (picture 2+4) (for max. 5 bar / 50°C)           | 16.6        |
| 101609K     | Inspection opening (6 mm thick), with neck (5x80 mm), with swivel feature (picture 2+4) (for max. 8 bar / 50°C)           | 20.2        |

## Without EU-type examination

| Article No. | Description                                                                                       | Weight [kg] |
|-------------|---------------------------------------------------------------------------------------------------|-------------|
| 100306      | Inspection opening (3 mm thick), with welding ring (30x12 mm), without swivel feature (picture 1) | 11          |
| 100306K     | Inspection opening (3 mm thick), with neck (3x80 mm), without swivel feature (picture 2)          | 14.2        |
| 100306P     | Inspection opening (3 mm thick), with pressed neck (4x70 mm), without swivel feature (picture 3)  | 12          |
| 100309      | Inspection opening (3 mm thick), with welding ring (30x12 mm), with swivel feature (picture 1+4)  | 12.3        |
| 100309K     | Inspection opening (3 mm thick), with neck (3x80 mm), with swivel feature (picture 2+4)           | 15.4        |
| 100309P     | Inspection opening (3 mm thick), with pressed neck (4x70 mm), with swivel feature (picture 3+4)   | 12.7        |



### 3.1 Inspection Opening

#### 340x440

##### Components

| Article No. | Description                                         | Weight [kg] |
|-------------|-----------------------------------------------------|-------------|
| 101300      | Inspection opening 340x440 mm with bolt, 3 mm thick | 4.5         |
| 101400      | Inspection opening 340x440 mm with bolt, 4 mm thick | 5.5         |
| 101600      | Inspection opening 340x440 mm with bolt, 6 mm thick | 7.5         |
| 103022      | Toggle with brass insert (M22)                      | 0.7         |
| 104340      | Shackle 340x440 mm                                  | 1.5         |
| 106012      | Welding ring 30x12 mm                               | 3.6         |
| 112312      | Welding neck (ring 30x12 mm) 80 mm long, 3 mm thick | 3.8         |
| 112412      | Welding neck (ring 30x12 mm) 80 mm long, 4 mm thick | 4.7         |
| 112512      | Welding neck (ring 30x12 mm) 80 mm long, 5 mm thick | 5.7         |
| 113407      | Pressed neck 70 mm long, 4 mm thick                 | 3.2         |
| 107         | Swivel feature                                      | 1.2         |
| 226490      | threaded bolt M22x170 mm with groove                | 0.5         |

##### Gaskets

| Article No. | Type of gasket                                 | Certificate | Tem-<br>perature<br>[°C] |
|-------------|------------------------------------------------|-------------|--------------------------|
| 102000      | Natural rubber-gasket, food quality (dark red) | 1, 2        | 70 / -50                 |
| 1020si      | Silicone-gasket, food quality (light red)      | 1, 2        | 210 / -60                |
| 1020ep      | EPDM-gasket, food quality (purple)             | 1, 2        | 125 / -50                |
| 1020pe      | Perbunan (NBR)-gasket, food quality (red)      | 1, 2        | 100 / -30                |
| 1020vi      | Viton-gasket, food quality (brown)             | 1           | 240 / -17                |

Gasket certificates:

1: FDA (21CFR 177.2600)

2: EG 1935 / 2004