# THROUGH BORE Underground fire hydrant

Type EF3 DN 80 PN 10/16

## Product characteristics and benefits

- Fire hydrant in accordance with EN 1074-6 and EN 14339
- With flange end acc. to EN 1092-2
- Sealing type guillotine
- Without maintenance no danger of damage to sealing element
- Each pipe covers depth from 0,75 to 3,00 m possible
- Completely straight-through bore diameter 70 mm
- Excellent flow characteristics Kv = 150 $m^3$/h at pipe depth = 2 m
- Observation of piping system possible via lock (for probes, cameras, microphones, etc.)
- Suitable for pipe cleaning
- Closing: clockwise, 1 3/4 dead, 6 revolutions
- Operating torque 40Nm
- Resistance to operating force: MOT = 105 Nm, MST = 210 Nm
- Drainage: volume of retained water 30 ml, drain time 4 min/m
- All non-coated materials in contact with potable water made of stainless steel or brass
- All materials resist to disinfection
- Outlet acc. to DIN 3221
- Telescopic version possible on request

## Materials

- Cast components: Ductile cast iron EN-JS 1030 (GGG-40) acc. to EN 1503-3
- Shut off plate: Stainless steel 1.4301 cold-rolled acc. to EN 1503-1
- Sealings: EPDM, approved for food handing acc. to KTW, WRAS and ACS standards
- Bolts: Stainless steel A2 EN ISO 3506
- Steam: Stainless steel 1.4021 acc. to EN 10088
- Body pipe: Stainless steel 1.4571 acc. to EN 1503-1

## Corrosion protection

- Inside and outside Epoxy coating min. 250 µm
- According to GSK quality specifications

## Tests and approvals

- Final inspection test acc. to EN 12266
- EPDM rubber in accordance with EN681 and approved acc. to KTW, W270, WRAS, ACS
- Epoxy coating approved acc. to KTW, WRAS, W270, ACS


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## Field of application

Underground installation
Chamber installation

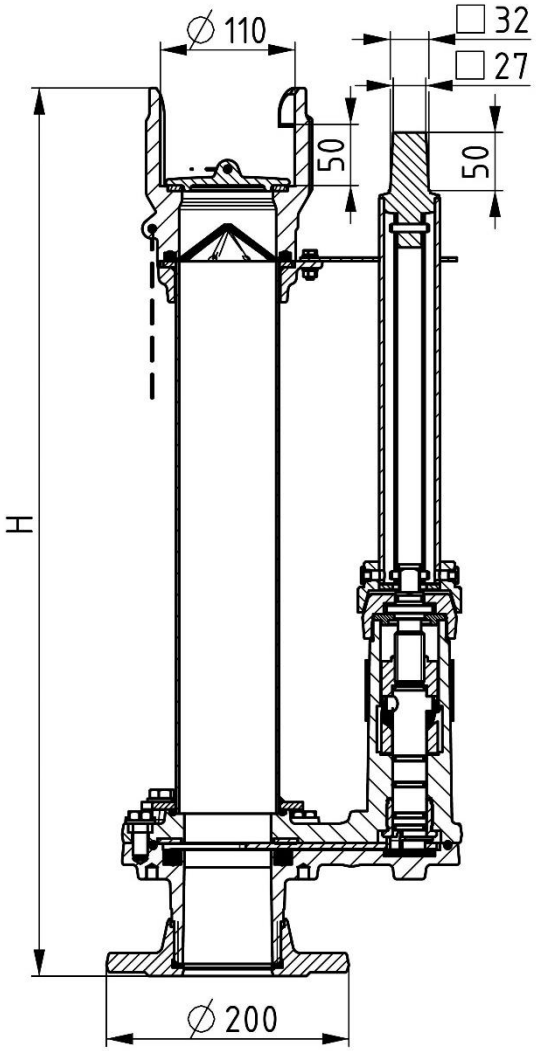
## Order code

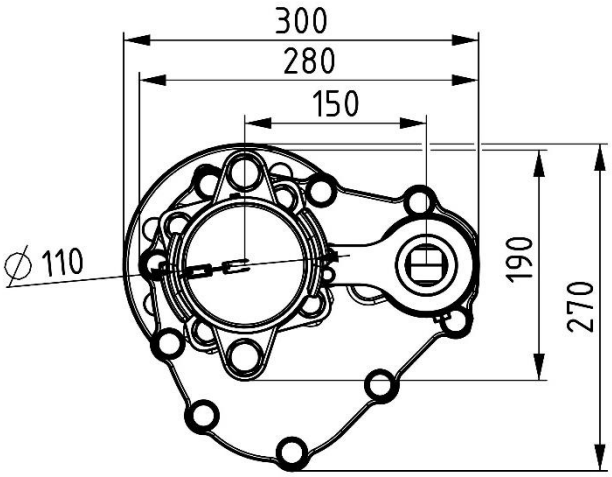
EF3 throughbore underground fire hydrant DN 80 , PN 16 □□□□

Height H

Sample: Throughbore underground fire hydrant DN 80 PN 16, height 1000

## Technical drawing




| Pipe depth [m] | H [mm] | Weight [Kg] | Kv m3/h |
|---|---|---|---|
| 0.75 | 500 | 30 | 200 |
| 1.00 | 734 | 32 | 190 |
| 1.25 | 986 | 34 | 180 |
| 1.50 | 1234 | 36 | 170 |
| 1.75 | 1484 | 38 | 160 |
| 2.00 | 1734 | 40 | 150 |
| 2.25 | 1984 | 42 | 140 |
| 2.50 | 2234 | 44 | 130 |
| 2.75 | 2484 | 46 | 120 |
| 3.00 | 2734 | 48 | 110 |
| 3.25 | 2984 | 50 | 100 |
| 3.50 | 3234 | 52 | 90 |

## Field of application

| DN | PN | Maximum operating pressure [bar] | Maximum operating temperature for neutral liquids [°C] |
|---|---|---|---|
| 80 | 16 | 16 | 60 |

## Pressure test acc. to EN 12266

| Test pressure shell with water - Rate A [bar] | Test pressure seat with water - Rate A [bar] |
|---|---|
| 25 | 17.6 |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