

Fire Protection

AVK offers a wide range of fixed and height adjustable surface boxes in various dimensions, which can be used in many fields of application. Apart from economic benefits, AVK synthetic surface boxes are lightweight, user-friendly, easy to open, noiseless and maintenance free. Most of AVK surface boxes are designed and approved according to DIN/EN standards, but can also be designed according to local standards or customer specifications. The carbon footprint (CO₂ emission) of synthetic surface boxes, measured from resource to end of life, is significantly lower compared to surface boxes made of traditional materials, making AVK surface boxes ecologically sound.

Use:

Height adjustable surface box with cast iron lid and reinforced rim, for extra large underground hydrants, standard lid inscription: HYDRANT

Features:

- Lightweight, user-friendly, silent and maintenance free
- 100% recyclable and significantly less use of resources compared to traditional materials
- Manufactured out of high grade recycled materials
- Ribs in housing ensure optimal fixation in road foundation
- Selected materials for housing and lid ensure easy opening at all times
- Heat resistant to max. 250 °C
- Suitable for low-temperature applications
- Large height range and flexible positioning of top part
- No height adjustment needed after installation, saving time and costs
- Floating top part following road settlement ensuring perfect alignment at all times
- Reinforced rim ensures better support of top part
- Strong rim makes product suitable for heavy duty application areas
- Extra large clear opening and inner space for operating extra large underground hydrants
- Largest type 4055 surface box on the market
- D400 load bearing capacity on complete surface*

Design/Test/Approval:

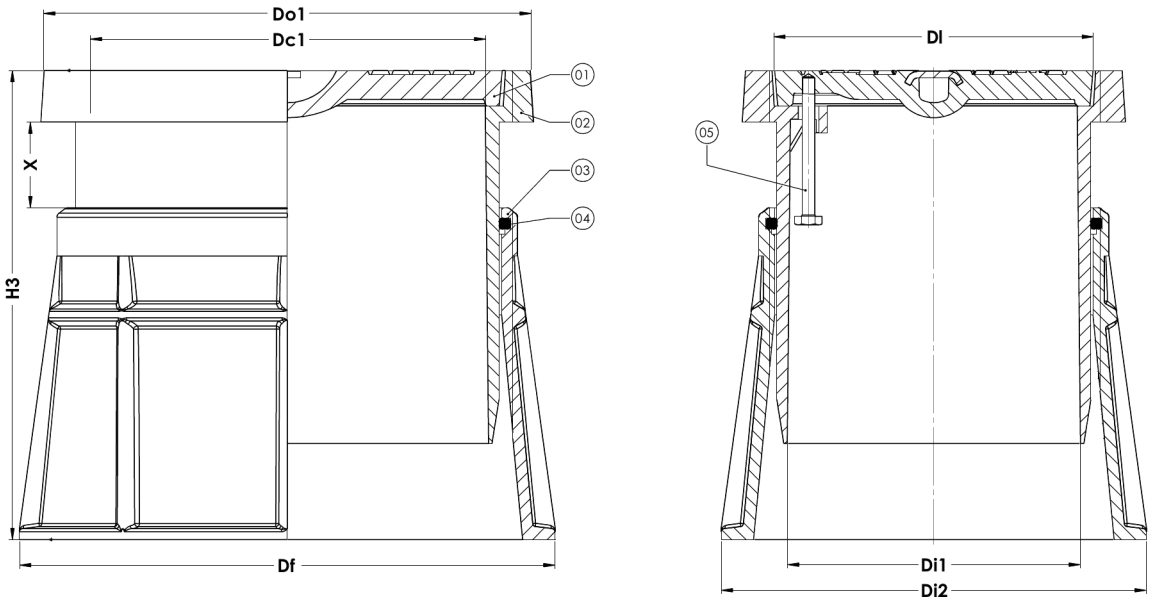
- Designed according to DIN 4055
- Tested according to DIN 3580-2
- DVGW certificate DW-6430CO0118

Optional

- Spring around bolt ensuring lid will stay in its place
- Various colours and lid inscriptions possible
- Use of a Flexdrain around the hydrant prevents dirt to block the drain pipe, ensuring optimal operation

*Results of the load-bearing capacity test on the complete surface, following the internally used load application method, and declaring the load-bearing capacity according to the corresponding class as per EN 124-1:2015, clause 7.2, table 4





Component list:

1.	Lid	Cast iron GJL-250 (GG-25)	4.	Band	Rubber
2.	Housing top part	PA GF	5.	Bolt, hexagon head	Stainless steel A2-70
3.	Housing bottom part	PA GF			

Metallic components may be substituted with equivalent or higher-grade materials without prior notice, provided that this is in compliance with the approvals.

Reference nos. and dimensions:

Reference no.	Do1 mm	DI mm	Dc1 mm	Di1 mm	Di2 mm	Df mm	H3 mm	X mm	Weight Box / kg	Weight Lid / kg	Theoretical weight/kg
80-29-4800001	455/350	405/300	376/233	376/274	440/330	500/393	340	80-220	14.3	14.3	28.6