

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 metal reinforced rim, for underground hydrants, design derived from DIN 4055, 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
- Robust glass fiber reinforced housing
- 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
- Enlarged carrying surface of rim ensures better support of top part
- Metal reinforced rim makes product suitable for heavy duty application areas
- D400 load bearing capacity on complete surface*

Design:

- Design derived from DIN 4055

Optional

- Spring around bolt ensuring lid will stay in its place
- Various colours and lid inscriptions possible
- Available as lockable version making the surface box tamperproof
- 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

Accessories:

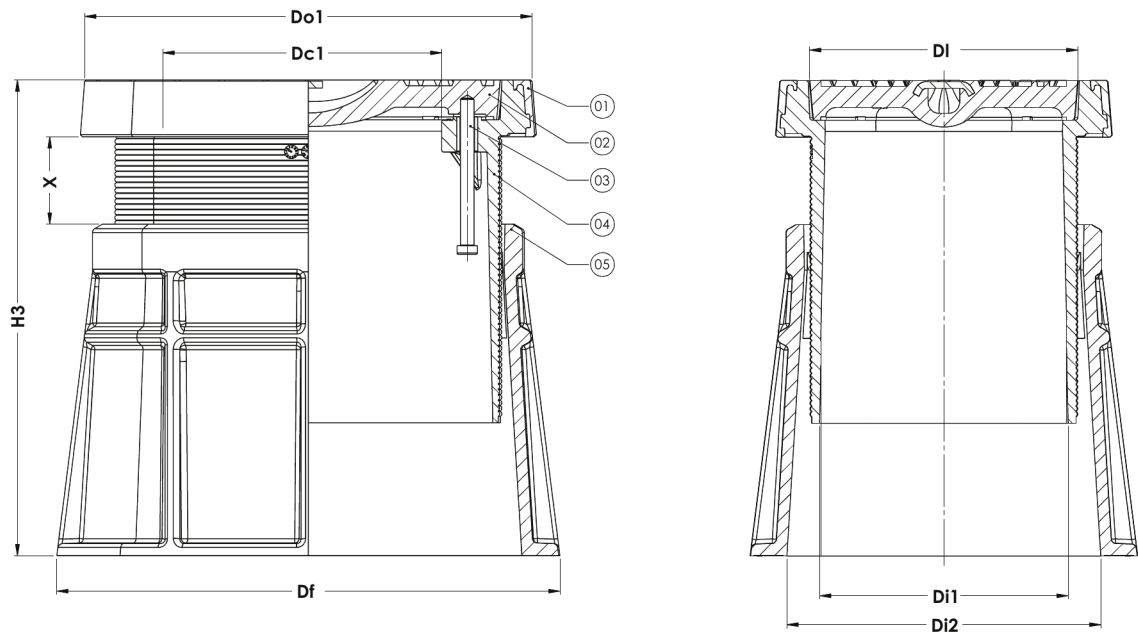
Support tile II
Support tile III



SYNTHETIC SURFACE BOX TYPE 4055

For underground hydrants, H-4055VG HD-GG, Classic

80/30-500



Component list:

1. Ring	Ductile iron GJS-400-15	4. Housing top part	PA GF
2. Lid	Cast iron GJL-200 (GG-20)	5. Housing bottom part	PA GF
3. Bolt, socket head	Stainless steel A2-70		

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
80-30-5000000	395	342 / 237	275 / 210	325 / 220	380 / 277	444 / 342	420-555	80-215	11.9	11.0	22.9