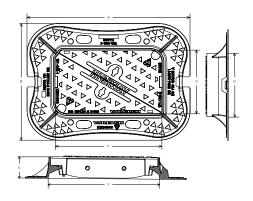


DBT0D4/4428/KH

Highway D400 surface box $445 \text{mm} \times 280 \text{mm}$ clear opening with 100 mm frame depth



| CHARACTERISTIC | VALUE |
|--------------------|-----------------|
| Range | Highway |
| Clear opening (mm) | 445 x 280 |
| Overall frame (mm) | 680 x 515 |
| Frame depth (mm) | 100 |
| Options | ► Screw locking |



SPECIFICATION

GENERAL INFORMATION

| Stock code | DBT0D4/4428/KH |
|------------------|----------------|
| Primary material | Ductile iron |
| Range | Highway |
| Category | Surface box |
| Flanges | 4 |

STANDARDS, CLASSES AND GROUPINGS

| Standards | BS EN 124-2 | |
|-----------------------|----------------|---|
| | BS750 | |
| | BS5834 DMRB | |
| | | |
| | MCHW | |
| | CD 534 v0.2.0 | |
| BS EN 124 Class | D400 | |
| BS EN 124 Group | 4 | |
| Third party certified | Kitemark | |
| BS 5834 Grade | A | |
| BS 750 Grade | A | |
| | | _ |

DIMENSIONS

| Frame shape | Rectangular |
|-----------------------|-----------------|
| Manhole shape | Rectangular |
| Overall frame (A x B) | 680 mm x 515 mm |
| Clear opening (C x D) | 445 mm x 280 mm |
| Frame depth (E) | 100mm |
| Base opening (F x G) | 465 mm x 300 mm |

EPD DATA

Total life cycle (cradle to grave) 75.61 kg CO₂ equivalent











FEATURES

- The enlarged frame corners help to dissipate loads onto the foundation, providing a longer service life and increased reliability.
- Safety keyway prevents accidental disengagement of the lifting key during the handling process.
- 70+ PSRV tested at top surface of chequer by UKAS accredited 3rd party.
- Mechanical lifting points are provided.
- Non rocking 3-point suspension design, for silent operation.
- Frame gussets are supports which reinforce the corners where the frame sections meet, distributing stress evenly, preventing damage to the frame or the access cover.
- The high seating position ensures that forces are transmitted more directly downwards, meaning conversion of traffic loads into mortar-compatible compression forces.

- Indexed corners ensure correct orientation first time, every time.
- Keyway lifting points are provided on the frame for safe handling.
- Holes in the frame flange where mortar can pass between the underside and top side, creating an interlock, providing greater strength.
- Can be installed by a single person, providing labour cost savings.
- Surface texturing above and below the flange enables better mortar engagement, reducing any lateral movement which could result in cracking.
- Meets the requirements of CD 534 v0.2.0.

AVAILABLE OPTIONS

Screw locking

Screw locking deters unauthorised access to the chamber. An extended shank socket set is required to engage the locking screw.

ACCESSORIES

| STOCK CODE | DESCRIPTION |
|--------------------|--|
| PC/UNIFORM/151076 | Uniform chamber adjustment unit 760mm x 100mm x 15mm |
| PC/UNIFORM/251076 | Uniform chamber adjustment unit 760mm x 100mm x 25mm |
| PC/UNIWEDGE/755012 | Uniform support wedge 120mm x 50mm x 75mm |
| YPCR/U6.5 | 6.5Kg Unipak® rapid curing polyester resin mortar |
| GRITBLOCKER | Anti-blockage keyway insert |
| SCREWLIFT | Simple and rapid manhole frame levelling system. Simply push the bushes into the holes in the flange and adjust the levelling screws to the required height. |
| KEY/LONG | Large cover lifting keys with a long handle (sold as a pair) |
| KEYS/L | Small cover combined lifting key |







- ▶ Wrekin Products Ltd is continually seeking to improve our products and therefore reserves the right to alter product specifications without prior notice.
- ▶ It is the responsibility of all users to satisfy themselves the above data is current.
- ► All values stated are nominal within 2.5% tolerance.
- ▶ Installation details are available in the knowledge base.
- All Wrekin products are supplied subject to our <u>Terms and Conditions of Sale.</u>

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