

DMHTOD4/9090/KH

Highway HaloHinge D400 manhole cover 900mm x 900mm clear opening with 100mm frame depth



CHARACTERISTIC	VALUE
Range	Highway
Clear opening (mm)	900 x 900
Overall frame (mm)	1,115 x 1,115
Frame depth (mm)	100
Options	 Screw locking Standard badging Flood and odour control plate Safety grille ID and comms badging Pressure relief holes

SPECIFICATION

GENERAL INFORMATION

Stock code	DMHT0D4/9090/KH
Primary material	Ductile iron
Range	Highway
Category	Manhole cover
Flanges	4

STANDARDS, CLASSES AND GROUPINGS

Standards	BS EN 124-2
	DMRB
	MCHW
	CD 534 v0.2.0
BS EN 124 Class	D400
BS EN 124 Group	4
Third party certified	Kitemark

DIMENSIONS

Frame shape	Square
Manhole shape	Square
Overall frame (A x B)	1,115 mm x 1,115 mm
Clear opening (C x D)	900 mm x 900 mm
Frame depth (E)	100mm
Base opening (F x G)	925 mm x 925 mm

EPD DATA

Total life cycle (cradle to grave) 326.58 kg CO₂ equivalent











FEATURES

- Enlarged corners spread loads evenly across the foundation, enhancing reliability and lifespan.
- Optional ID badge supports RFID, NFC and IoT connectivity for asset identification and tracking.
- Safety keyways prevent accidental lifting key disengagement during handling for safer operation.
- Independently tested by a UKAS-accredited laboratory to achieve a PSRV value of 70+ on the chequer surface.
- Strengthened corners dissipate loading stresses effectively, providing long-term durability and preventing damage to the frame and cover.
- Directs forces vertically to convert traffic loads into mortarcompatible compression forces.
- Indexed corners ensure correct orientation and alignment first time, every time.

- Integrated keyway frame lifting points provide safe and secure handling.
- Frame holes allow mortar to flow through the flange, creating a strong mechanical bond for added stability.
- Texturing above and below the flange improves mortar grip and reduces lateral movement and cracking.
- Non-rocking three-point suspension provides stable seating for silent, reliable operation.
- Concealed hinges sit within the frame, protecting them during installation and preventing debris blockage.
- Hold covers securely open to prevent accidental closure during access.
- 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.

Industry standard badging

Integral industry-standard badging e.g. SW (Storm Water) and FW (Foul Water). Details are taken at point of order.

Flood and odour control plate

The flood and odour control plate is manufactured from steel and provides resistance to flood-water ingress and the chamber-odour egress.

Safety grille

Safety grilles prevent accidental chamber falls. Available in a variety of configurations; including bars and mesh as drop-in or hinged.

ID badging and communications options

Bespoke badging and communications antennae, including NFC, RFID and IoT technology.

Pressure relief holes

Pressure relief holes provide additional airflow, with sizes permitted up to the maximum allowances specified in BS EN 124.

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/U12.5	12.5Kg Unipak® rapid curing polyester resin mortar
YPCR/U25	25Kg Unipak® rapid curing polyester resin mortar

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STOCK CODE	DESCRIPTION
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)

- ▶ 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</u> and <u>Conditions of Sale</u>.







