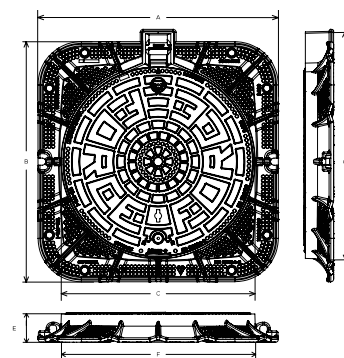


DMS1D4/60D/KUSF

Force D400 manhole cover 610mm diameter clear opening with 100mm frame depth



CHARACTERISTIC	VALUE
Range	Force
Clear opening (mm)	Ø 610
Overall frame (mm)	850 x 850
Frame depth (mm)	100
Options	<ul style="list-style-type: none"> ► Screw locking ► Safety grille ► ID and comms badging ► Pressure relief holes



SPECIFICATION

GENERAL INFORMATION

Stock code	DMS1D4/60D/KUSF
Primary material	Ductile iron
Range	Force
Category	Manhole cover
Flanges	4

STANDARDS, CLASSES AND GROUPINGS

Standards	BS EN 124-2
BS EN 124 Class	D400
BS EN 124 Group	4
Third party certified	Kitemark

DIMENSIONS

Frame shape	Square
Manhole shape	Circular
Overall frame (A x B)	850 mm x 850 mm
Clear opening (C x D)	Ø 610 mm
Frame depth (E)	100mm
Base opening (F x G)	690 mm x 690 mm

EPD DATA

Total life cycle (cradle to grave)	206.05 kg CO ₂ equivalent
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FEATURES

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- ✓ Concealed hinges prevent debris entering the hinge and limiting its movement.
- ✓ Mechanical lifting points are provided.
- ✓ A retrofittable ID badge can be fitted, also compatible with antennas and communication options (RFID, NFC, IoT)
- ✓ Safety keyway prevents accidental disengagement of the lifting key during the handling process.
- ✓ Safety-stop hinges prevent covers from falling once opened.
- ✓ Spring bar low security locking feature.
- ✓ Surface texturing above and below the flange enables better mortar engagement, reducing any lateral movement which could result in cracking.
- ✓ 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.
- ✓ Holes in the frame flange where mortar can pass between the underside and top side, creating an interlock, providing greater strength.
- ✓ Unlike sharp, square-edged frames, rounded edges reduce stress concentrations and minimise crack formation.
- ✓ Keyway lifting points are provided on the frame for safe handling.

AVAILABLE OPTIONS

- ✓ **Screw locking**
Screw locking deters unauthorised access to the chamber. An extended shank socket set is required to engage the locking screw.
- ✓ **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
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 [Terms and Conditions of Sale](#).

