

TWKIT/D6/6060

Unite D400 manhole cover 600mm x 600mm clear opening with 150mm frame depth comes with one 25kg tub of UniPak Mortar



RANGE	CLEAR OPENING (MM)	OVERALL FRAME (MM)	FRAME DEPTH (MM)	OPTIONS
Unite	600 x 600	820 x 820	150	<input type="checkbox"/> ID and comms badging <input type="checkbox"/> Safety grille <input type="checkbox"/> Screw locking <input type="checkbox"/> Pressure release holes <input type="checkbox"/> Low leak seal plate <input type="checkbox"/> No leak seal plate

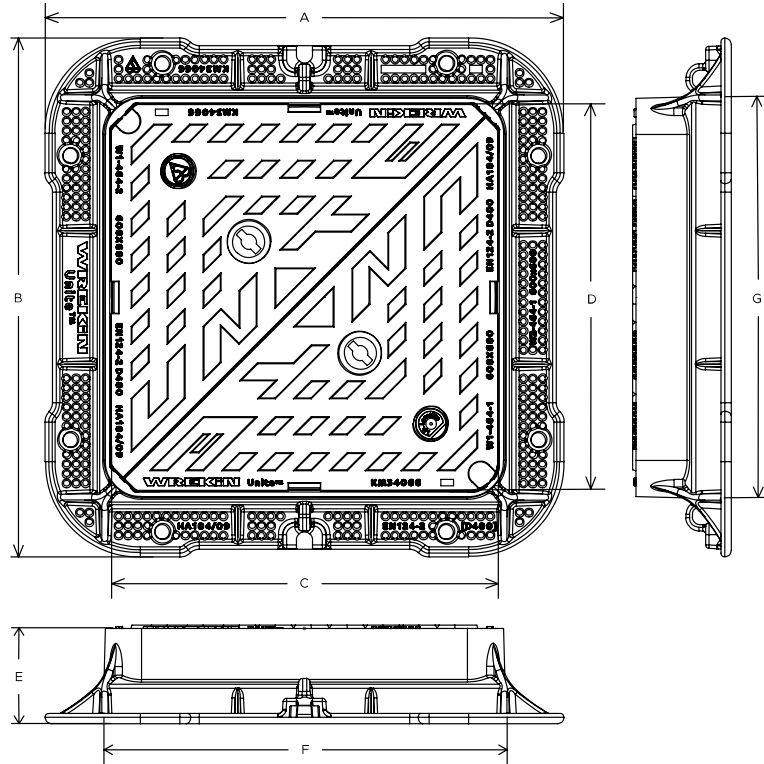
FEATURES

- ✓ GritBlocker™ anti-blockage keyway insert comes pre-installed.
- ✓ Safety keyway prevents accidental disengagement of the lifting key during the handling process.
- ✓ Unite is available with a 10 year warranty (subject to terms).
- ✓ Meets the requirements of CD 534 v0.1.0 (formerly HA 104/09).
- ✓ Surface texturing above and below the flange enables better mortar engagement, reducing any lateral movement which could result in cracking.
- ✓ Non rocking 3-point suspension design, for silent operation.
- ✓ Keyway lifting points are provided on the frame for safe handling.
- ✓ The enlarged frame corners help to dissipate loads onto the foundation, providing a longer service life and increased reliability.
- ✓ 70+ PSRV tested at top surface of chequer by UKAS accredited 3rd party.
- ✓ 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.
- ✓ The covers feature a universal beam (also known as an I beam) providing significant improvements to rigidity, reducing seat wear for an enhanced service life.
- ✓ 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.
- ✓ Holes in the frame flange where mortar can pass between the underside and top side, creating an

- ✓ A retrofittable ID badge can be fitted, also compatible with antennas and communication options (RFID, NFC, IoT)
- ✓ Unlike sharp, square-edged frames, rounded edges reduce stress concentrations and minimise crack formation.

interlock, providing greater strength.

- ✓ Compatible with our retrofittable seal plates offering a flexible low leak and no leak solution. Compliant with WIS 4-26-01



SPECIFICATION

General information

Stock code	TWKIT/D6/6060
Primary material	Ductile iron
Range	Unite
Category	Manhole cover
Flanges	4

Standards, classes and groupings

Standards

BS EN 124-2
BS7903
DMRB
MCHW
CD 534 v0.1.0

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)

820 mm x 820 mm

Clear opening (C x D)

600 mm x 600 mm

Frame depth (E)

150mm

Base opening (F x G)

655 mm x 655 mm

AVAILABLE OPTIONS

✓ ID badging and communications options

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

✓ Screw locking

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

✓ Low leak seal plate

Restricts the flow of surface water runoff into the chamber. Reducing the possibility of overwhelming the drainage system.

✓ Safety grille

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

✓ Pressure release holes

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

✓ No leak seal plate

Severely restricts the flow of surface water runoff into the chamber. Significantly reducing the possibility of overwhelming the drainage system.

ACCESSORIES

STOCK CODE	DESCRIPTION
DUESP/6060/LL	D400 600mm x 600mm low leak sealing plate with elastomeric gasket seal and drilled hole
DUESP/6060/NL	D400 600mm x 600mm no leak sealing plate with elastomeric gasket seal
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
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

NOTES

- Achieves compliance to Class 3 leak tightness performance in accordance with Table 1 of Section 2 within WIS 4-26-01 when fitted with [no leak \(/NL\) sealing plate](#).
- All seal plate variants (other than high pressure resistant version) can be retro-fitted after cover and frame installation.
- All values stated are nominal within 2.5% tolerance.

1. Wrekin Products Ltd is continually seeking to improve our products and therefore reserves the right to alter product specifications without prior notice.
2. It is the responsibility of all users to satisfy themselves the above data is current.
3. Installation details are available in the [knowledge base](#).
4. All Wrekin products are supplied subject to our [Terms and Conditions of Sale](#)

