

## DGHTOD4/4545/KHP

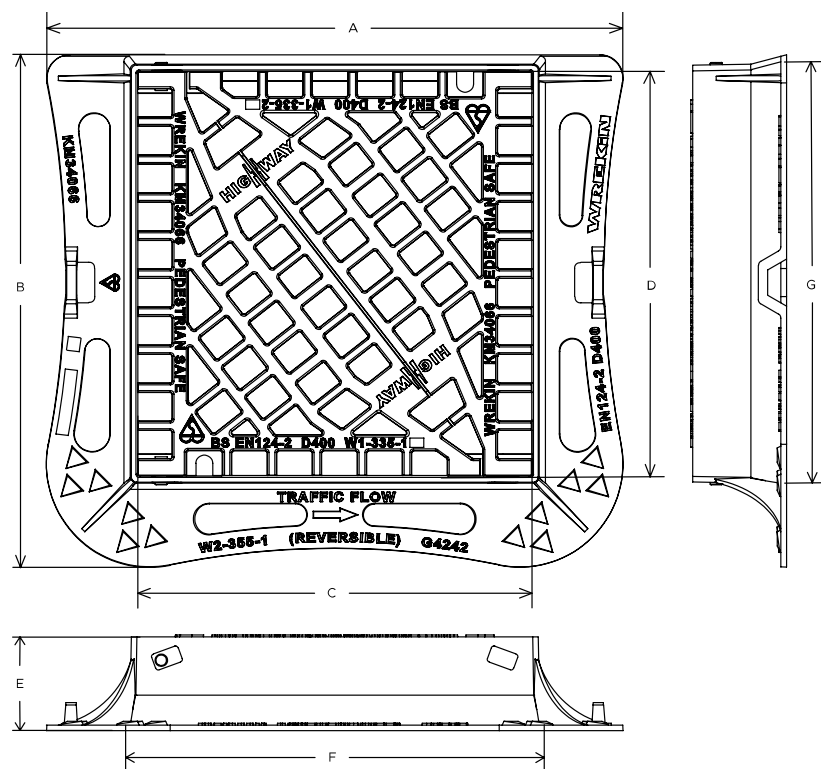
Highway D400 3 flange pedestrian friendly gully grate 425mm x 425mm clear opening with 100mm frame depth



RANGE	CLEAR OPENING (MM)	BASE OPENING (MM)	OVERALL FRAME (MM)	FRAME DEPTH (MM)	WATERWAY AREA (CM²)	OPTIONS
Highway	425 x 425	450 x 450	615 x 545	100	910	<input type="checkbox"/> Screw locking

### KEY FEATURES

- ✓ Non rocking 3-point suspension design, for silent operation.
- ✓ Captive hinges reduce theft risk whilst allowing easy lifting.
- ✓ 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.
- ✓ Keyway lifting points are provided on the frame for safe handling.
- ✓ Reversible hinge allows the grating to hinge with the direction of the traffic flow, improving safety.
- ✓ 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 v0.1.0 (formerly HA 104/09).
- ✓ The enlarged frame corners help to dissipate loads onto the foundation, providing a longer service life and increased reliability.
- ✓ Indexed corners ensure correct orientation first time, every time.
- ✓ 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.
- ✓ Reduced apertures provides increased safety for pedestrians and bicycles, over standard gratings.



## SPECIFICATION

### General information

Stock code	DGHTOD4/4545/KHP
Primary material	Ductile iron
Range	Highway
Category	Gully grate
Flanges	3

### Standards, classes and groupings

Standards	BS EN 124-2 DMRB MCHW CD 534 v0.1.0 D400
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**BS EN 124 Class**

**BS EN 124 Group**

3

4

**Third party certified**

Kitemark

**CD 526 hydraulic capacity**

R

## Dimensions

**Frame shape**

Rectangular

**Manhole shape**

Rectangular

**Overall frame (A x B)**

615 mm x 545 mm

**Clear opening (C x D)**

425 mm x 425 mm

**Frame depth (E)**

100mm

**Base opening (F x G)**

450 mm x 450 mm

**Waterway area**

910cm<sup>2</sup>

## 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

STOCK CODE	DESCRIPTION
YPCR/U12.5	12.5Kg Unipak® rapid curing polyester resin mortar
YPCR/U25	25Kg Unipak® rapid curing polyester resin mortar
SCREWLIFT	Manhole cover levelling system

## NOTES

The D400 load capability of these Group 3 products also offers the benefit of making them suitable for exposure to Group 4 traffic types. Where 3-flange D400 Gully Grate assemblies are employed, we recommend that they are installed against a kerb, not in an open highway location. 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.
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