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Manhole Cover Slabs

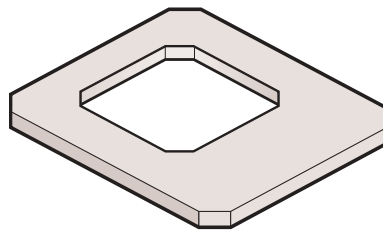
Health & Safety – New Manhole Access Sizes

New health and safety guidelines on manhole access sizes have been incorporated into the various British Standards affecting manhole specification and construction. Full details are available from our Commercial and Technical teams.

Seating Rings

- Designed to replace engineering bricks to seat a cast iron cover and frame.
- Effective thickness is 65mm i.e.the thickness of a standard brick.
- Average compressive strength similar to Class B engineering bricks.
- Type 1 (600x600 eccentric) seating ring is reinforced and weighs 140kg.

- Seating rings can be supplied with access hole sizes as in the table below.



| Seating Rings Data | | |
|--------------------|--|--|
| Manhole DN | Access Size and Position for Manhole Depth | |
| | <1.5 m | ≥1.5 m |
| 900 | 600 x 600 Central | 600 x 600 Central |
| 1050 | 750 x 750 Central | 600 x 600 Central |
| 1200 | 750 x 600 Central | 600 x 600 Central 600 x 600 Eccentric |
| 1350 – 3000 | 1200 x 675 Central | 600 x 600 Central 600 x 600 Eccentric |

| Cover Slabs Data | | | | | |
|------------------|---------------------|----------------------------|-------------------------------|-------------|-------------------|
| Manhole DN | Overall Dia. 'A' mm | Effective Thickness 'B' mm | Access size for Manhole Depth | | Approx. Weight kg |
| | | | <1.5 m | ≥1.5 m | |
| 900 | 1108 | 135 | 600x600 C | 600x600 C | 215 |
| 1050 | 1278 | 135 | 750x750 C | 600x600 E | 330 |
| 1200 | 1460 | 135 | 750 x 600 E | 750 x 600 E | 480 |
| 1350 | 1629 | 160 | 1200 x 675 C | 750 x 600 E | 740 |
| 1500 | 1789 | 160 | 1200 x 675 C | 750 x 600 E | 925 |
| 1800 | 2130 | 200 | 1200 x 675 C | 750 x 600 E | 1625 |
| 2100 | 2450 | 200 | 1200 x 675 C | 750 x 600 E | 2250 |
| 2400 | 2870 | 200 | 1200 x 675 C | 750 x 600 E | 2865 |
| 2700 | 3175 | 205 | 1200 x 675 C | 750 x 600 E | 3800 |
| 3000 | 3350 | 200 | 1200 x 675 C | 750 x 600 E | 4970 |

C denotes central. E denotes eccentric. All dimensions and weights are approximate. Customers should ensure that lifting equipment has sufficient capacity to allow for variations.

Cover Slabs

- Cover slabs are heavy duty reinforced.
- Cover slabs can be provided with the access hole sizes shown or other non-kitemarked sizes such as 675 x 675.
- Designers and users should ensure that they have taken into account the current requirements for manhole access as detailed in the Health and Safety Code of Practice, Regulations and Guidance issued by the Health and Safety Executive under the Confined Spaces Regulations 1997 and other relevant requirements.

