

Ductile iron road manhole cover with square frame h638_166

Ductile iron manhole cover. Class: KN400. Clear opening: 1200 x 1200 mm. Height: 100 mm. Weight: 207 kg. External dimensions: 1350 x 1350 mm.

The **road manhole cover h638_166** is a large-scale, high-resistance covering device, specifically engineered to ensure stability, safety, and maximum durability within infrastructural networks subject to heavy and intense vehicle traffic. Made of premium **GJS-500-7 ductile iron** in strict compliance with the EN 1563 standard, the product guarantees a breaking load exceeding 400 kN, perfectly meeting the requirements of class **KN400** (D400). The massive 135x135 cm structure features a frame equipped with a continuous external perimeter flange and slots for deep anchoring to the foundation via anchor bolts. To combine robustness with urban hygiene, the frame integrates an **internal "U" seat** which, when filled with sand or inert materials, effectively isolates the shaft by blocking the rise of bad odors. The square cover is provided with non-slip reliefs evenly distributed to maximize grip and promote rainwater runoff, including closed-bottom slots for mechanical lifting.

Technical specifications

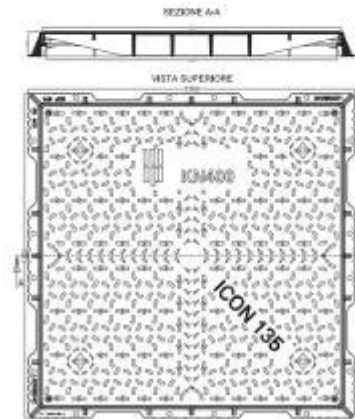
- **Material:** GJS-500-7 ductile iron compliant with EN 1563 standard
- **Load class:** KN400 / D400 (Breaking load > 400 kN / 40 Tons)
- **External frame dimensions:** 1350 x 1350 mm
- **Clear opening (Internal hole):** 1200 x 1200 mm (Extra-large passage for large technical compartments)
- **Total structural height:** 100 mm
- **Total weight:** 207 kg
- **Geometry:** Square frame and cover
- **Anchoring:** Continuous slotted perimeter flange with reinforcement ribs and rounded corners
- **Odor insulation:** Internal "U" perimeter seat for sand or grease seal
- **Installation precision:** Rounded internal corner for a guided and unique cover insertion
- **Passive safety:** Surface embossing with widespread non-slip reliefs
- **Operability:** Cover equipped with closed-bottom slots and engraved frame size indication
- **Customization:** Central space prepared for the insertion of text and/or logos
- **Quality standard:** Produced by a company with ISO 9001:2015 certification

* Image for illustrative purposes only

INFORMATION

- **Material manhole covers** ghisa
- **manhole_dimensions** 1350 x 1350 mm

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Manhole cover dimensions: 1350 x 1350 mm

Manhole cover material: ghisa