

TECHNICAL DATA SHEET



EVOTOP 500 Manhole top

According to EN 124-1
Classification: D 400

PRODUCT DESCRIPTION

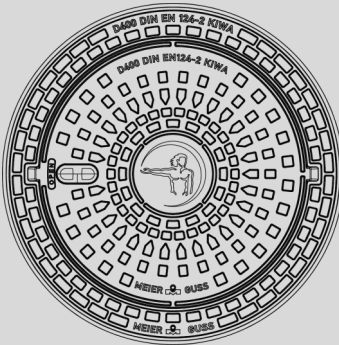
EVOTOP 500 is floating type manhole top without ventilation openings and it's offered with frame and cover made from ductile iron (GJS). Assembly has three ductile iron spring locking's. Frame is round and it's dimensions are $\text{\O}628\text{mm}$. Product is supposed to be used with DN/OD 500mm telescopic pipe (using three DIN933 M8x45 bolts in conjunction with DIN934 M8 nut and DIN125 M8 washer plate).

Material: GJS (ductile iron), vertical load bearing capacity 400kN.

Manhole top is produced according to: EN 124-2 standard specifications.

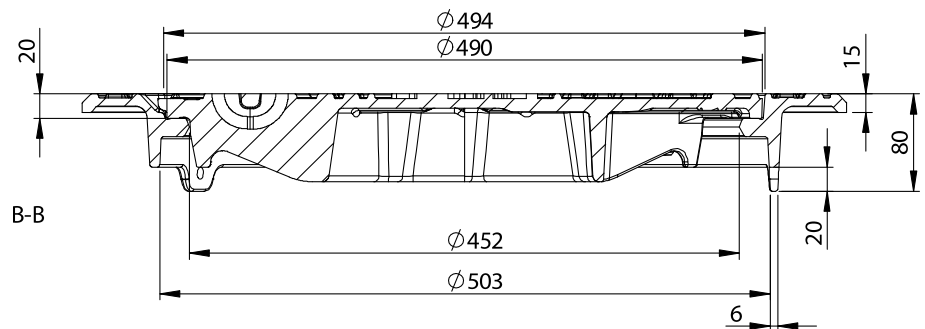
APPLICATION AREA

Application according to group 4– class D 400, which dictates that manhole top can be used for installations in carriageways of roads (including pedestrian streets), hard shoulders and parking areas for all types of road vehicles. Additionally- group 4 manhole tops can be used in areas where lower loads are applicable (from class A 15 to D 400).



PRODUCT DIMENSIONS

| | |
|---------------------------------|-----|
| Nominal size | 500 |
| Frame dimensions (diameter), mm | 628 |
| Height, mm | 80 |



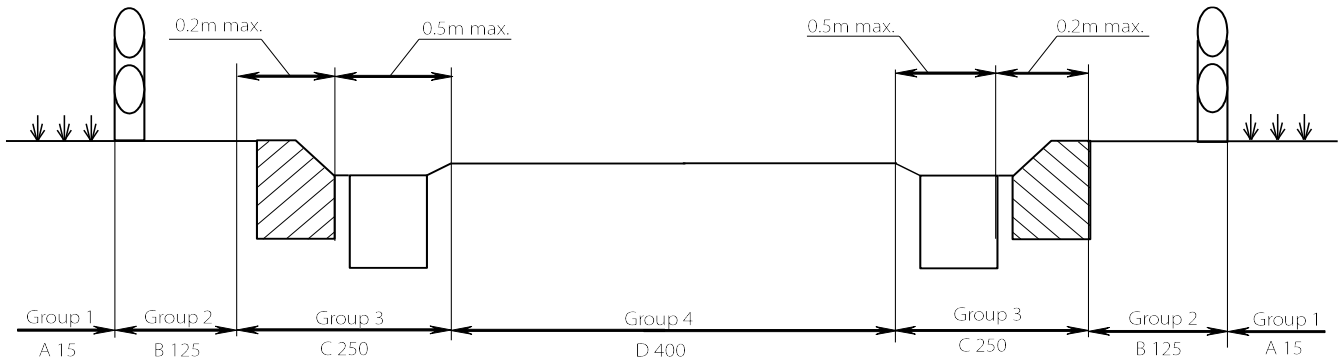
Load bearing capacity:
400kN

PRODUCT PARAMETERS

| Parameter | Value | Test method |
|---------------------------|-------|-------------|
| Material | GJS | EN 124-2 |
| Load bearing capacity, kN | 400 | EN 124-1 |
| Weight, kg | 40 | |

TECHNICAL DATA SHEET

Manhole cover choice according to installation area. According to EN 124 requirements.



Representative carriageway cross-section, split into groups according to EN 124.

| Groups | Class | Load, kN (t) | Area of installation |
|---------|-------|--------------|---|
| Group 1 | A 15 | 15 (1.5) | Areas which can only be used by pedestrians and pedal cyclists. |
| Group 2 | B 125 | 125 (12.5) | Pedestrian areas and comparable areas, car parks or car parking decks. |
| Group 3 | C 250 | 250 (25) | For gully tops, installed in the area of kerbside channels of roads which, when measured from kerb edge, extends a maximum of 0.5 m into the carriageway and a maximum of 0.2 m into the pedestrian area. |
| Group 4 | D 400 | 400 (40) | Carriageways of roads (including pedestrian streets), hard shoulders and parking areas for all types of road vehicles . |
| Group 5 | E 600 | 600 (60) | Areas imposing high wheel loads, e.g. docks, aircraft pavements. |
| Group 6 | F 900 | 900 (90) | Areas imposing particularly high wheel loads, e.g. aircraft pavements. |

APPLICABLE STANDARTS

| Number | Description |
|----------|---|
| EN 124 | Gully tops and manhole tops for vehicular and pedestrian areas- Design requirements, type testing, marking, quality |
| EN 124-1 | Gully tops and manhole tops for vehicular and pedestrian areas. Part 1: Definitions, classification , general principles of |
| EN 124-2 | Gully tops and manhole tops for vehicular and pedestrian areas. Part 2: Gully tops and manhole tops made of cast iron |
| EN 124-3 | Gully tops and manhole tops for vehicular and pedestrian areas. Part 3: Gully tops and manhole tops made of steel or |
| EN 124-4 | Gully tops and manhole tops for vehicular and pedestrian areas. Part 4: Gully tops and manhole tops made of steel |
| EN 124-5 | Gully tops and manhole tops for vehicular and pedestrian areas. Part 5: Gully tops and manhole tops made of compo- |
| EN 124-6 | Gully tops and manhole tops for vehicular and pedestrian areas. Part 6: Gully tops and manhole tops made of polypro- |