

TECHNICAL DATA SHEET



ECOTOP DN600

Self-leveling type class D400 chamber cover

Conform to EN 124-2

Class: D400

PRODUCT DESCRIPTION

Self-leveling type chamber cover is equipped with exchangeable MEIPREN cushioning inserts. On the one side cover is equipped with spring type locking mechanism (exchangeable) and on the other side with hinge. Hinge enables to leave the cover opened at two different positions. 120° at position for inspection and 77° at safety position. Chamber cover is available with and without ventilation openings. It is possible to mount debris bucket or odour filter to the frame if cover with ventilation openings is used or during the other conditions. ECOTOP cover can be ordered with the logo of servicing company. It is certified at independent institution (KIWA) according to EN 124, a certificate is available to confirm this.

Material: cast iron

Country of origin of the product: Germany

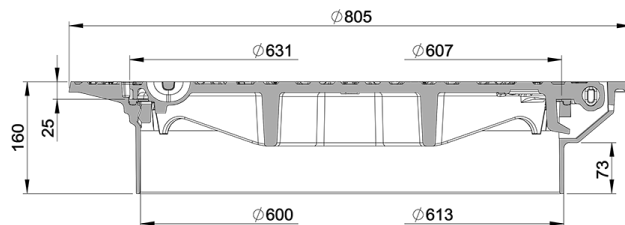

 Class:
D400

APPLICATION AREA

By the application ECOTOP cover corresponds to 4th group of EN 124 (class D400) which states that cover can be used on carriageways of roads (including pedestrian streets), hard shoulders and parking areas, for all types of road vehicles.

PRODUCT DIMENSIONS

| Parameters | Nominal size — DN600 |
|---------------------------------|----------------------|
| Outer diameter of the frame, mm | 805 |
| Opening, mm | 600 |
| Height, mm | 160 |
| Frame neck size, mm | 613 |

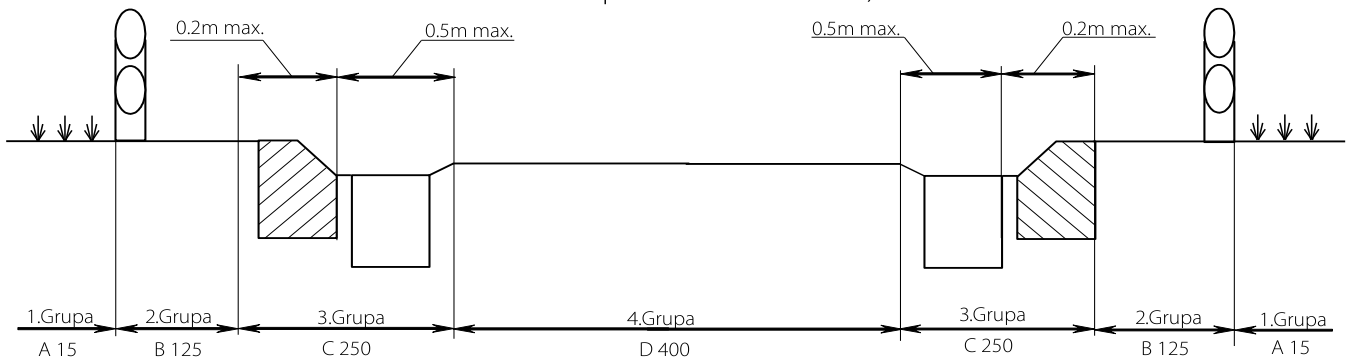


PRODUCT PARAMETERS

| Parameters | Description | Standard |
|-------------------|-------------|----------|
| Material | Cast iron | EN 124-2 |
| Load capacity, kN | 400 | EN 124-2 |
| Weight, kg | 77,5 | |

TECHNICAL DATA SHEET

Selection of chamber cover depending on the designed traffic load at the installation place (according to the requirements of EN 124).



Cross section of street where different groups of chamber covers are displayed according to EN 124.

| Group | Class | Load, kN (t) | Application area |
|-----------|-------|--------------|--|
| 1st group | A 15 | 15 (1.5) | Areas which can only be used by pedestrians and pedal cyclists. |
| 2nd group | B 125 | 125 (12.5) | Pedestrian areas and comparable areas, car parks or car parking decks. |
| 3rd group | C 250 | 250 (25) | For gully tops, installed in the area of kerbside channels of roads which, when measured from the kerb edge, extends a maximum of 0,5m into carriageway and a maximum of 0,2 m into the pedestrian area. |
| 4th group | D 400 | 400 (40) | Carriageways of roads (including pedestrian streets), hard shoulders and parking areas, for all types of road vehicles. |
| 5th group | E 600 | 600 (60) | Areas imposing high wheel loads, e.g. docks, aircraft pavements. |
| 6th group | F 900 | 900 (90) | Areas imposing particularly high wheel loads, e.g. aircraft pavements. |

Corresponding standards

| No. | Title |
|----------|---|
| EN 124 | Gully tops and manhole tops for vehicular and pedestrian areas. Design requirements, type testing, marking, quality control. |
| EN 124-1 | Gully tops and manhole tops for vehicular and pedestrian areas. Definitions, classification, general principles of design, performance requirements and test methods. |
| EN 124-2 | Gully tops and manhole tops for vehicular and pedestrian areas. Gully tops and manhole tops made of cast iron. |
| EN 124-3 | Gully tops and manhole tops for vehicular and pedestrian areas. Gully tops and manhole tops made of steel or aluminium alloys. |
| EN 124-4 | Gully tops and manhole tops for vehicular and pedestrian areas. Gully tops and manhole tops made of steel rein- |
| EN 124-5 | Gully tops and manhole tops for vehicular and pedestrian areas. Gully tops and manhole tops made of composite materials. |
| EN 124-6 | Gully tops and manhole tops for vehicular and pedestrian areas. Gully tops and manhole tops made of polypropylene (PP), polyethylene (PE) or unplasticized poly (vinyl chloride) (PVC-U). |