

TECHNICAL DATA SHEET



MEILEVEL-A PLUS

Self-leveling type class D400 chamber cover

Conform to EN 124-2
RAL-GZ692
Class: D400



PRODUCT DESCRIPTION

Top quality floating hatch cover with 610 [mm] service opening. The hatch cover is fitted with MEIPREN and MEISILENCE sealing rubbers, which ensure the damping of noise generated during operation. The hatch frame is fitted with a MEISTEP boarding tool socket to facilitate boarding. The MEIFLEX function allows the hatch cover frame to be shortened by 20 mm if necessary. The hatch cover frame is designed in such a way that the cover fits perfectly and is held in place by its own weight (according to DIN 1229).

Material: malleable cast iron.

Weight: 146 kg.

Height: 160 mm (can be reduced to 140 mm).

Standards: LVS EN 124-2, RAL-GZ692, DIN 1229.

Country of origin: Germany.



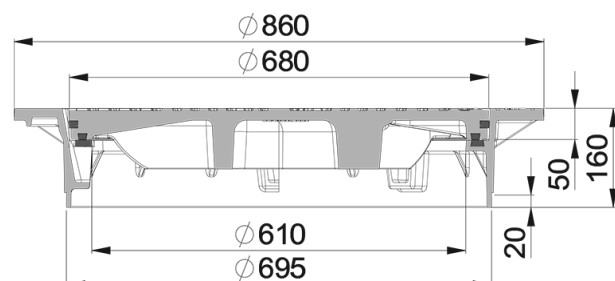
APPLICATION AREA

By the application 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

Class:
D400

Parameters	Nominal size — DN700
Outer diameter of the frame, mm	860
Opening, mm	610
Height, mm	160 (140)
Frame neck size, mm	695

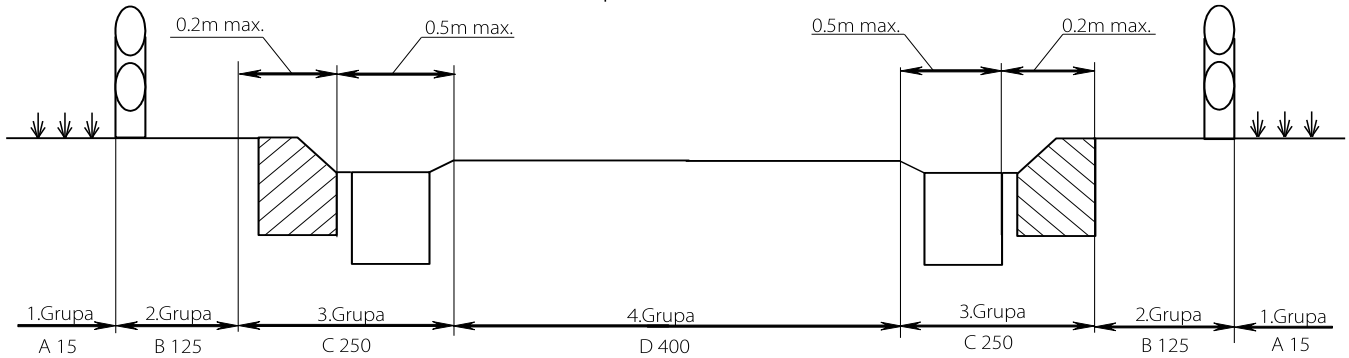


PRODUCT PARAMETERS

Parameters	Description	Standard
Material	Cast iron	EN 124-2
Load capacity, kN	400	EN 124-2, RAL-GZ692
Weight, kg		146

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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 reinforced concrete.
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).