

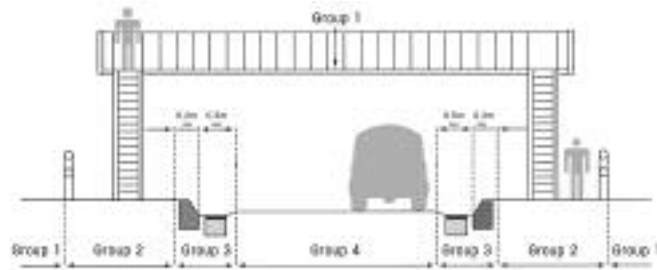
Standard

classification BS EN 124

Access covers and gully grates installed in the UK should meet the requirements of the European Standard BS EN 124. This applies to all situations, on and off-road and to all materials. Products designed to BS EN 124 are grouped and classified depending on their place of installation. It is the responsibility of the engineer to ensure that the correct product is specified. The appropriate class of manhole top or gully top to be used depends upon the place of installation. The selection of the appropriate class is the responsibility of the designer. Where there is any doubt the stronger class should be selected.

Clause 5 BS EN 124

Fig No.2 – EN 124 applications



Loading	BS 497 grade	BS 497 test load	BS EN 124 Class	BS EN 124 test load
Areas imposing particularly high wheel loads – Group 6	–	–	F900	900kN
Areas imposing high wheel loads – Group 5	–	–	E600	600kN
Carriageways of roads (heavy duty) – Group 4	D A	400kN 350kN	D400	400kN
Gully tops in kerbside channels of roads – Group 3	–	–	C250	250kN
Footways, pedestrian areas etc. – Group 2	B	150kN	B125	125kN
Areas inaccessible to motor vehicles – Group 1	C	10kN	A15	15kN

At the time of going to press BS EN 124 was in the process of being revised.

Product

selector



Class A15

Access covers and gratings capable of withstanding a 1.5 tonnes test load. For use in areas where only pedestrians have access.



Class B125

Access covers and gratings capable of withstanding a 12.5 tonnes test load. For use in car parks and pedestrian areas where occasional vehicular access is likely.



Class C250

Access covers and gratings capable of withstanding a 25 tonnes test load. For use in areas where not extending more than 500mm from the kerb face into the carriageway.



Class D400

Access covers and gratings capable of withstanding a 40 tonnes test load. For use in areas where cars and lorries have access, including carriageways, hard shoulders and pedestrian areas. All units to be either non-rock or silent in operation.



Class E600

Access covers and gratings capable of withstanding a 60 tonnes test load. For use in areas where heavy wheel loads are imposed such as loading areas, docks or aircraft pavements.



Class F900

Access covers and gratings capable of withstanding a 90 tonnes test load. For use in areas where very heavy wheel loads are imposed such as aircraft pavements.