

Load Standard DIN19580 / EN 1433

DIN19580 is the only standard written specifically for trench drains, and that is internationally recognized.

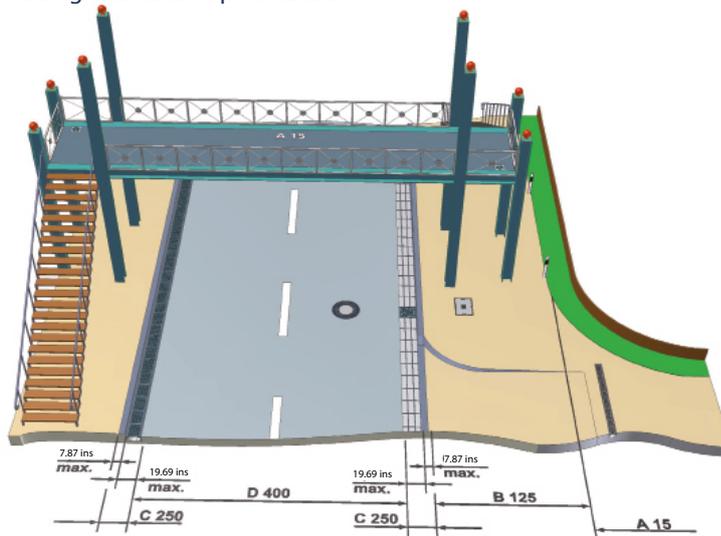
DIN 19580 accounts for different widths of grates:

- For trench drains less than 8" wide, the required test block for load testing is 10" long by 3" wide;
- For trench drains 8" and 12" wide, the test block is 10" by 6";
- For trench drains over 12", the test block is 10" diameter.

This ensures that no load is transferred to the grate supports and the full force of the test load is directed onto the grate itself.

DIN 19580 is being superseded by EN 1433. EN 1433 tests products in exactly the same method as DIN 19580 with the same load categories, up to 202,320lbs - 4,182psi.

As with DIN 19580, EN 1433 offers testing methods for both the complete trench drain and individual grates. It accounts for both proof loading and catastrophic failure.



Load Classes: A, B, C, D, E and F.

Load Standard DIN19580 / EN1433 accounts for six different load classes, from lighter to heavier load: A, B, C, D, E and F.



Class A
15 kN / 3,372 lbs.
Residential areas used by pedestrians and cyclists.



Class D
400 kN / 89,920 lbs.
Roads and highways.



Class B
125 kN / 28,100 lbs.
Sidewalks, pedestrian areas and small parking lots.



Class E
600 kN / 134,800 lbs.
Industrial areas used by vehicles with a particularly wheel load, e.g. gas stations and loading dock facilities.



Class C
250 kN / 56,200 lbs.
Parking lots and general commercial areas.



Class F
900 kN / 202,320 lbs.
Special areas with heavy wheel loads, e.g. airports and docks.

Supplied By:

**TRENCHDRAIN
SUPPLY**

877-903-7246

www.trenchdrainsupply.com

HYDROTEC Trench Drain Product Line by Load Class



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CLASS F
900 kN / 202,320 lbs

Special areas with heavy wheel loads, e.g. airports and docks.

MINI



MINI100 (4") A
Galvanized Steel Slot ADA Grate

MINI100 (4") B
Galvanized Steel Mesh Grate

TOP



TOP100 (4") LOAD CLASS A/C

Galvanized Steel Slot ADA Grate (Load Classes A & C)
Galvanized Steel Mesh Grate (Load Class C)
Ductile Iron Grate (Load Class C)

MAXI



Ductile Iron ADA Grates

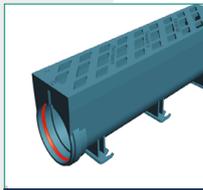
MAXI100 (4") LOAD CLASS C/D/E/F

MAXI150 (6") LOAD CLASS D/E/F

MAXI200 (8") LOAD CLASS D/E/F

MAXI 300 (12") LOAD CLASS E/F

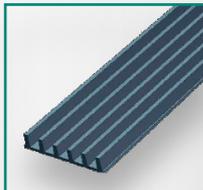
HYDROblock



One piece Ductile Iron

HYDROblock 100 (4") / 200 (8") / 300 (12") LOAD CLASS F

HYDROline



One piece Ductile Iron

HYDROline LOAD CLASS F

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