



TF-Grates

Slotted Grate

Part # 1502.14
 Load Class: 31.2
 AASHTO H-25 Rated: Yes
 Material: Ductile Iron
 Open Area: 65%
 Dim (LxWxT) : 18x13.78x1.5
 Weight: 26 lbs.



Slotted Grate (Heavy Duty)

Part # 1503.14
 Load Class: 90.0
 AASHTO H-25 Rated: Yes
 Airport Rated: Yes
 Material: Ductile Iron
 Open Area: 41%
 Dim (LxWxT) : 18x13.75x1.5
 Weight: 60.0 lbs.



Pedestrian (ADA) Grate

Part # 1504.14
 Load Class: 9.4
 AASHTO H-25 Rated: Yes
 Material: Cast Iron
 Open Area: 22%
 Dim (LxWxT) : 18x13.75x1.5
 Weight: 50.9 lbs.



Trim Banded Bar Grate

Part # 1468.14
 Load Class: 3.7
 Fed. RR-F-624E Pedestrian: Yes
 AASHTO H-25 Rated: No
 Material: Galvanized Steel
 Open Area: 88%
 Dim (LxWxT) : 24x13.75x1.5
 Weight: 18.6 lbs.



Solid Cover

Part # 1500.14
 Load Class: 16.6
 AASHTO H-25 Rated: Yes
 Material: Cast Iron
 Open Area: 0%
 Dim (LxWxT) : 18x13.75x1.5
 Weight: 55.3 lbs.



How We Test Our Grates

Test Procedure:

Grate/cover is placed in support fixture in a load testing machine. A 4 in (100 mm) diameter by 6 in (150 mm) steel rod is located longitudinally at grates/covers weakest point(column, shear or beam). Load is applied to steel rod until grate/cover fails (will not support load). Minimum failure load is used in the formula above. Load Class is based on the worst case service load carrying capacity per linear foot of grate/cover. Test assumes a line load with a minimum of contact area. Actual applications may involve a larger load contact patch, thereby increasing load carrying capacity.

