

TrafficDrain grates

All TrafficDrain grates are purpose designed to meet Australian road requirements.

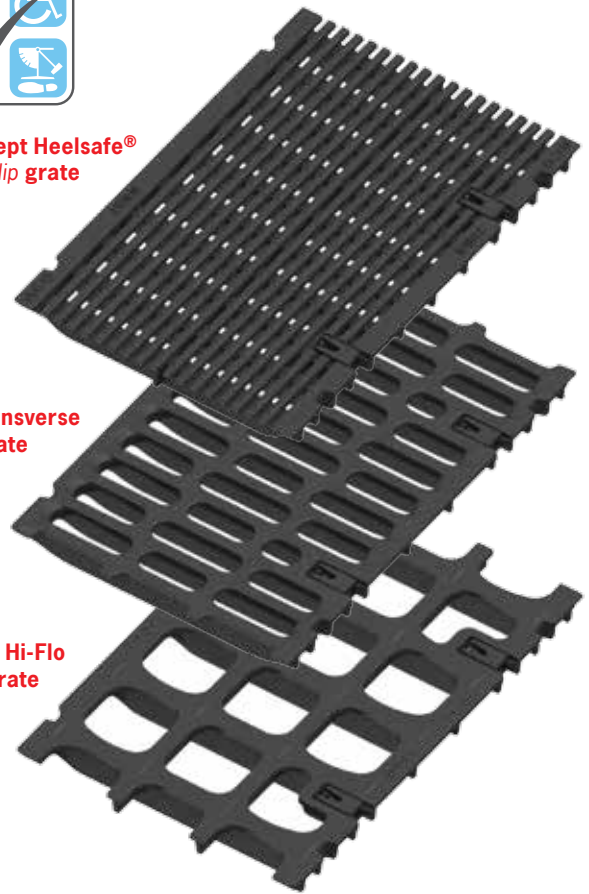
- Rated to Load Class D 210kN, AS 3996 Access Covers and Grates. NATA endorsed test reports available
- Bicycle wheel compliant in all directions, AS 3996
- Manufactured from ductile iron Grade 500/7, AS 1831 Ductile Cast Iron
- Anti-shunt provisions prevent longitudinal movements from dynamic wheel loads
- **PowerLok®** is a barless and boltless locking system that provides easy fitting and removal of grates reducing installation time and maintenance time



Iron Intercept Heelsafe®
Anti-Slip grate

Iron Transverse grate

Iron Hi-Flo grate



Pedestrian safe grate

Iron Intercept Heelsafe® Anti-Slip grate

The Iron Intercept **Heelsafe®** Anti-Slip grate is designed to be heel friendly and slip resistant for pedestrian crossings and other high pedestrian traffic areas.

The grate has 8mm slots that meet the requirements of:

- Clause 3.3.5 – Surface Openings in Pedestrian Areas, AS 3996 Access Covers and Grates
- Clause 9(c) – Ground and Floor Surfaces addressing wheelchair and walking cane safety, AS 1428.2 Design for Access and Mobility

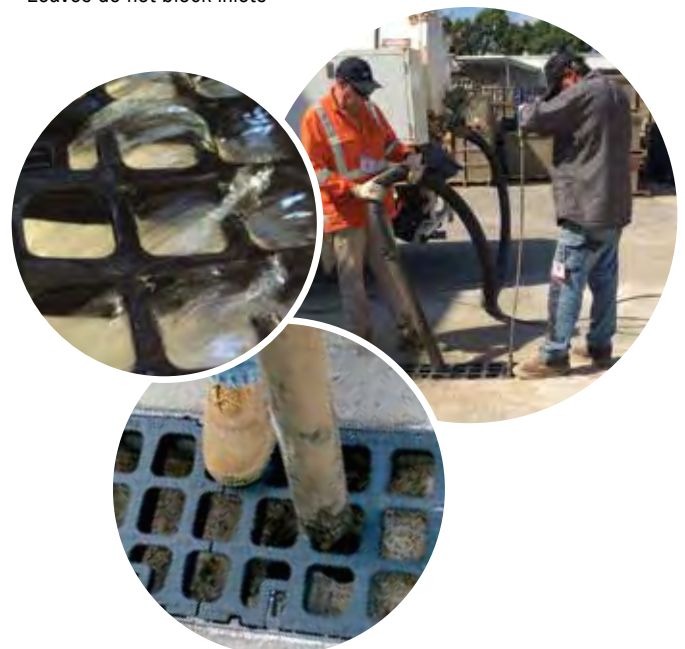
This grate is independently tested for slip resistance to P3 (wet pendulum) and R10 (oil-wet platform), AS 4586 Slip resistance classification of new pedestrian surface materials. NATA endorsed test reports are available.








High capacity grates







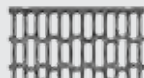
Iron Hi-Flo and Iron Transverse grate

ACO's high capacity grates are designed with large efficient inlets to ensure high water intake, resulting in quick stormwater removal from road surfaces. These features offer the following benefits:

- Easy cleaning with or without grate removal
- Channel can be inspected through the top of the grate
- Leaves do not block inlets



TD200 Grates (to suit 200mm channels)		Length mm	Part No.	Weight kg				
LOAD CLASS D 210kN – AS 3996 (approximate wheel load 8,000kg)								
	Iron Hi-Flo	500	142127	6.1	×	×	✓	×
	Iron Intercept ¹ Heelsafe [®] Anti-Slip	500	142125	8.7	✓	✓	✓	✓
	Iron Transverse	500	142145	6.8	×	×	✓	×

TD300 Grates (to suit 300mm channels)		Length mm	Part No.	Weight kg				
LOAD CLASS D 210kN – AS 3996 (approximate wheel load 8,000kg)								
	Iron Hi-Flo	500	142128	10.5	×	×	✓	×
	Iron Intercept ¹ Heelsafe [®] Anti-Slip	500	142126	14.8	✓	✓	✓	✓
	Iron Transverse	500	142146	11.2	×	×	✓	×

¹ Meets ASME A112.6.3 Section 7.12 (American high heel standard).





PowerLok[®] safety clip (optional)



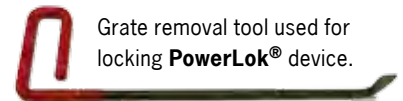
Safety clip sits flush with grate surface and grate cannot be unlocked. The red coloured safety clips provide a visual indication that the grates are locked.

Specific user requirements

ACO's grates meet some or all of the legislative requirements described below:

-  Wheelchair compliant to AS 1428.2, Clause 9(c). Slots cannot exceed 13mm (width), 150mm (length). Longitudinal grates are to be placed at right angles to the principal direction of travel.
-  Grates designed to resist the penetration of a 10mm heel.
-  Bicycle tyre penetration resistant to AS 3996. Criteria on slot length dependant on slot width.
-  Pedestrian safe grates with slip resistance, rated to AS 4586.

PowerLok[®] barless & boltless locking system (standard)



Grate removal tool used for locking **PowerLok**[®] device.



To open **PowerLok**[®], insert tool between rail and **PowerLok**[®] device.



Rotate tool 90°; **PowerLok**[®] device should push away from rail.



To close, place hook part of tool into 'V' and push towards rail.

