








This grate is part of ACO's Heelsafe® Anti-Slip range. For more information visit www.heelsafe.com.au

Product Features

-  Certified to AS 3996 Load Class D (210kN) (NATA endorsed load test reports available)
-  AS 3996 (Clause 3.3.5) compliant for surface openings in pedestrian areas
ASME A112.6.3 (Section 7.12) compliant - American high heel standard
-  AS 4586: P4 – Slip resistance classification for Wet Pendulum Test
AS 4586: R10/R10¹ - Slip resistance classification for Oil-Wet Inclining Platform Test
-  AS 1428.2 (Clause 9c) compliant for wheelchair and walking cane safety
-  AS 3996 (Clause 3.3.6) compliant for bicycle tyre penetration resistance

- Continuous wave pattern
- Recesses in the edge rail fit around 'anti-shunt' lugs on the grate to prevent longitudinal movement
- **QuickLok** boltless locking system
- Suitable for use with K200, KS200, H200K, H200KS channels
- Manufactured from ductile iron to ASTM A536-84 Grade 65-45-12 which is similar to AS 1831 Grade 400-15

¹ Test direction (perpendicular/parallel) relative to the grate's length (NATA endorsed test reports available)



Specifications

The grate shall be ACO Type 680Q Iron Wave Heelsafe® Anti-Slip grate with QuickLok boltless locking system as manufactured by ACO. This grate has an overall width of 238mm and overall length of 500mm. Slot widths measure at a maximum of 10mm.

Materials & Design

The grate shall be manufactured from ductile iron and have minimum properties and characteristics as follows:

- Continuous wave pattern
- Recesses in the edge rail fit around 'anti-shunt' lugs on the grate to prevent longitudinal movement
- Manufactured from ductile iron to ASTM A536-84 Grade 65-45-12 which is similar to AS 1831 Grade 400-15
- Certified to AS 3996 Load Class D (210kN)²
- AS 4586: P4 – Slip resistance classification for Wet Pendulum Test²
- AS 4586: R10/R10¹ – Slip resistance classification for Oil-Wet Inclining Platform Test²
- Meets AS 1428.2 (Clause 9c); AS 3996 (Clause 3.3.5 & 3.3.6); ASME A112.6.3 (Section 7.12)
- Intake area of 37,880mm² per half metre of grate

¹ Test direction (perpendicular/parallel) relative to the grate's length

² NATA endorsed test reports available

For the specification of the ACO Drain channel system selected, click: <http://www.acodrain.com.au/resources>

ACO Specification Information

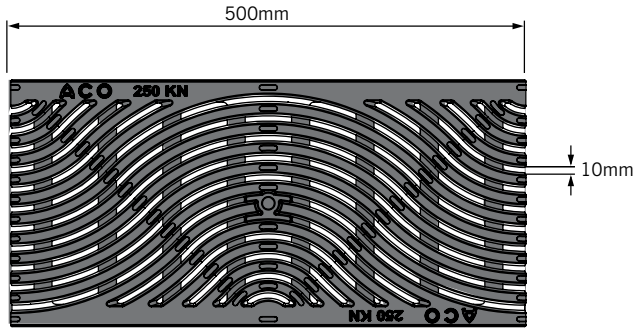


ACO DRAIN®

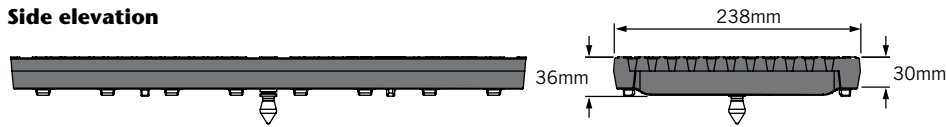
Type 680Q Iron Wave Heelsafe® Anti-Slip grate



Plan view

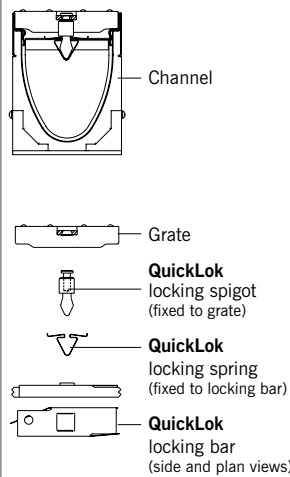


Side elevation



Description	Part No.	Length (mm)	Width (mm)	Weight (kg)
QuickLok grate Type 680Q Iron Wave Heelsafe® Anti-Slip	93955	500	238	12.7
QuickLok locking bar	10457	-	-	0.1
Grate removal tool	01318	-	-	0.1

QuickLok locking mechanism



ACO QuickLok is a patented boltless locking system, grates are removed and replaced with the minimum time and effort for ease of maintenance. The unique design provides a positive 'snap down' fit into the locking bar. A spigot is fixed to the grate which 'locks' into the spring in the locking bar.

The QuickLok spigot is manufactured from stainless steel and high density nylon, the locking bar and spring are stainless steel, for use in both general purpose and corrosive environments.

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