








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: P3 – 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
 - Recesses in the edge rail fit around 'anti-shunt' lugs on the grate to prevent longitudinal movement
 - Galvanised finish
 - **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 677Q Iron Galvanised Intercept 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 7mm.

Materials & Design

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

- Recesses in the edge rail fit around 'anti-shunt' lugs on the grate to prevent longitudinal movement
- Galvanised finish
- 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: P3 – 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 25,300mm² 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

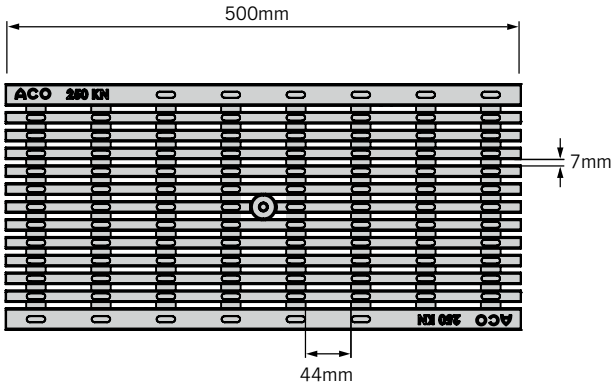


ACO DRAIN®

Type 677Q Iron Galvanised Intercept Heelsafe® Anti-Slip grate



Plan view

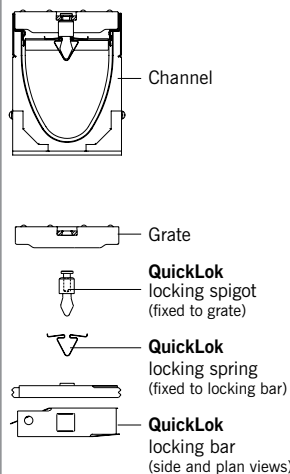


Side elevation



Description	Part No.	Length (mm)	Width (mm)	Weight (kg)
QuickLok grate Type 677Q Iron Galvanised Intercept Heelsafe® Anti-Slip	141752	500	238	10.0
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, the locking bar and spring are stainless steel, for use in both general purpose and corrosive environments.

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