








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 K300, KS300, H300K, H300KS 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 877Q Iron Galvanised Intercept Heelsafe® Anti-Slip grate with QuickLok boltless locking system as manufactured by ACO. This grate has an overall width of 338mm 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 35,100mm² 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

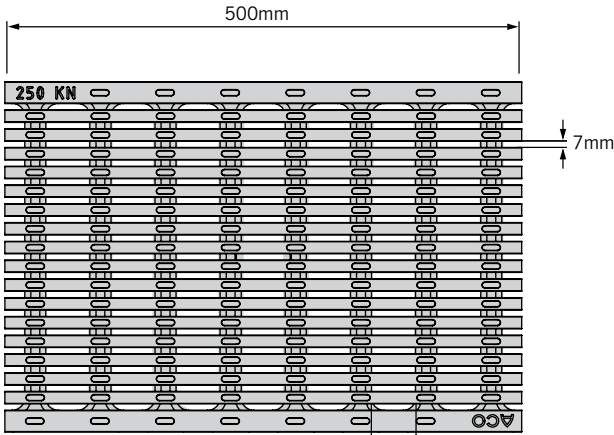


ACO DRAIN®

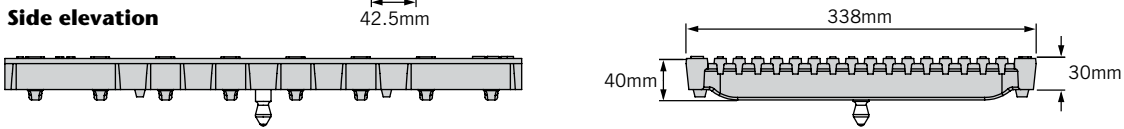
Type 877Q Iron Galvanised Intercept Heelsafe® Anti-Slip grate



Plan view

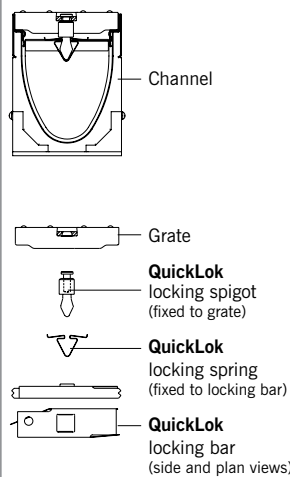


Side elevation



Description	Part No.	Length (mm)	Width (mm)	Weight (kg)
QuickLok grate Type 877Q Iron Galvanised Intercept Heelsafe® Anti-Slip	141753	500	338	15.9
QuickLok locking bar	10458	-	-	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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