




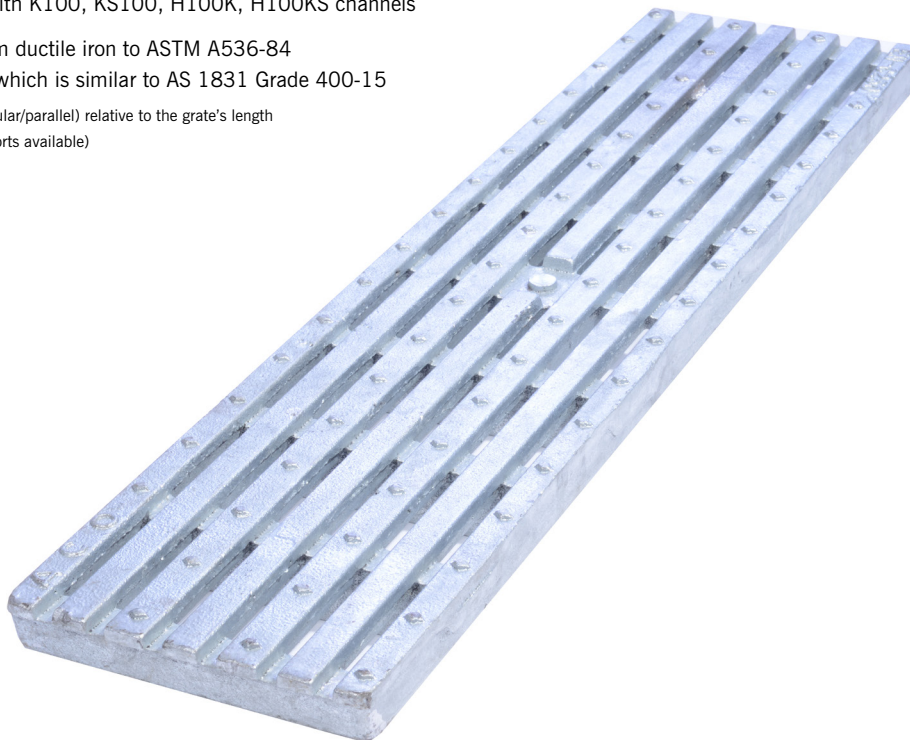




This grate is part of ACO's Heelsafe® Anti-Slip range. For more information visit [www.heelsafe.com.au](http://www.heelsafe.com.au)

**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/R10<sup>1</sup> - 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
    - Galvanised finish
    - **QuickLok** boltless locking system
    - Suitable for use with K100, KS100, H100K, H100KS channels
    - Manufactured from ductile iron to ASTM A536-84 Grade 65-45-12 which is similar to AS 1831 Grade 400-15
- <sup>1</sup> Test direction (perpendicular/parallel) relative to the grate's length (NATA endorsed test reports available)



**Specifications**

The grate shall be ACO Type 477Q Iron Galvanised Intercept Heelsafe® Anti-Slip grate with **QuickLok** boltless locking system as manufactured by ACO. This grate has an overall width of 123mm 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:

- 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)<sup>2</sup>
- AS 4586: P3 – Slip resistance classification for Wet Pendulum Test<sup>2</sup>
- AS 4586: R10/R10<sup>1</sup> – Slip resistance classification for Oil-Wet Inclining Platform Test<sup>2</sup>
- 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 14,780mm<sup>2</sup> per half metre of grate

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

<sup>2</sup> 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

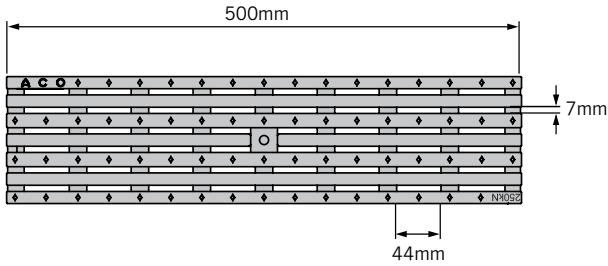


**ACO DRAIN®**

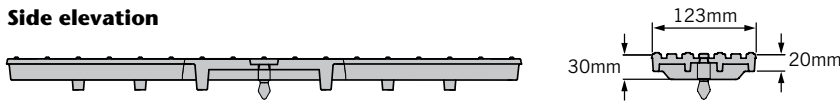
**Type 477Q Iron Galvanised Intercept Heelsafe® Anti-Slip grate**



**Plan view**

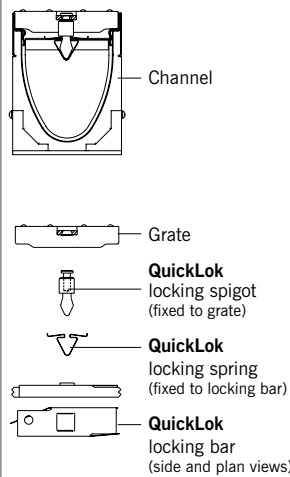


**Side elevation**



Description	Part No.	Length (mm)	Width (mm)	Weight (kg)
<b>QuickLok grate</b>				
Type 477Q Iron Galvanised Intercept Heelsafe® Anti-Slip	141751	500	123	4.7
QuickLok locking bar	02899	-	-	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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