






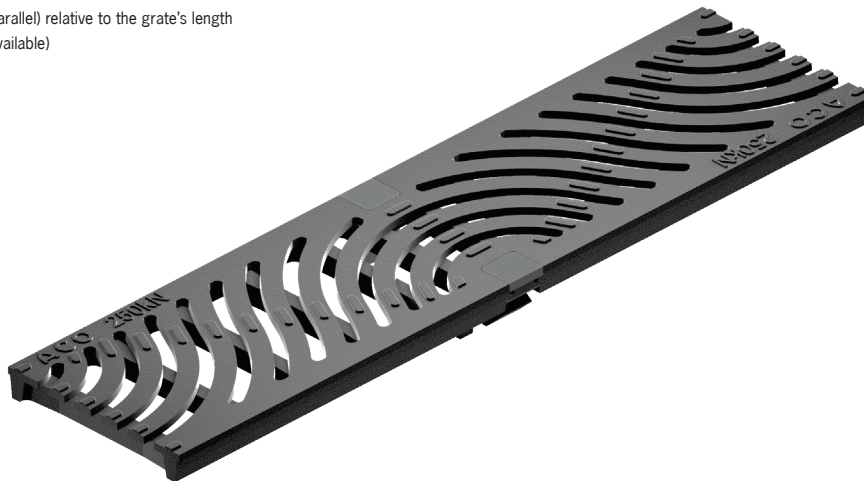


This grate is part of ACO's Heelsafe® Anti-Slip range. For more information visit [www.heelsafe.com.au](http://www.heelsafe.com.au)

**Product Features**

-  Certified to AS 3996 Load Class D (210kN) (NATA endorsed load test reports available)
-  AS 3996 (Clause 3.3.6) 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/R10<sup>1</sup> - Slip resistance classification for Oil-Wet Inclining Platform Test
-  AS 1428.1 (Clause 4.4b) compliant for wheelchair and walking cane safety
-  AS 3996 (Clause 3.3.7) 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
  - **DrainLok** barless and boltless locking system
  - Suitable for use with K100, KS100, H100K, H100KS channels
  - Manufactured from ductile iron to AS 1831 Grade 500-7

<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 480D Iron Wave Heelsafe® Anti-Slip grate with DrainLok barless and 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:

- 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 AS 1831 Grade 500-7
- Certified to AS 3996 Load Class D (210kN)<sup>2</sup>
- AS 4586: P4 – 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 1428.1 (Clause 4.4b); AS 3996 (Clause 3.3.6 & 3.3.7); ASME A112.6.3 (Section 7.12)
- Intake area of 23,210mm<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/product-support>

ACO Specification Information

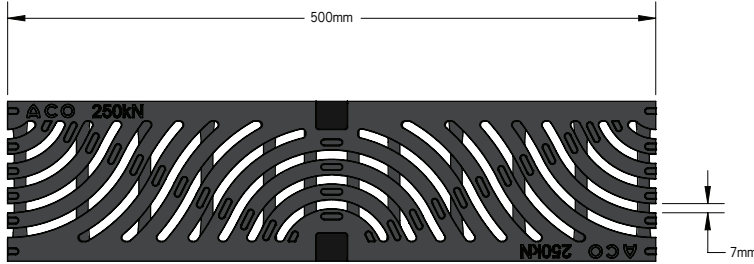


**ACO DRAIN®**

**Type 480D Iron Wave Heelsafe® Anti-Slip grate**



**Plan view**

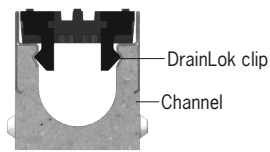


**Side elevation**



Description	Part No.	Length (mm)	Width (mm)	Weight (kg)
<b>DrainLok grate</b> Type 480D Iron Wave Heelsafe® Anti-Slip	<b>142461</b>	500	123	4.5
Grate removal tool	<b>01318</b>	-	-	0.1

**'DrainLok' locking mechanism**



ACO **DrainLok™** is a patented, boltless locking system that removes the need for bolts and bars and improves the hydraulic capacity of the channel. The **DrainLok™** mechanism simply clips into the channel edge rail for rapid installation. ACO **DrainLok™** grates are fitted with an anti-shunt mechanism that restricts unwanted grate movement when installed, improving durability and longevity of the system.

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