



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 B (80kN)
(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: C/B¹ - Slip resistance classification for Wet-Barefoot Inclining Platform Test
AS 4586: R10/R10¹ - Slip resistance classification for Oil-Wet Inclining Platform Test



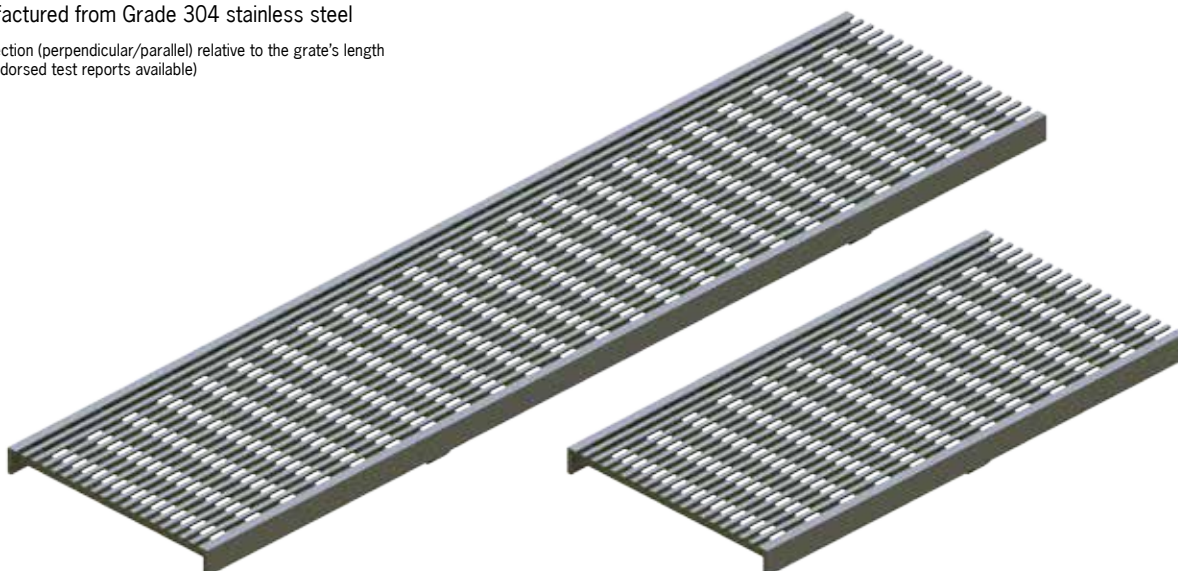
AS 1428.2 (Clause 9c) compliant for wheelchair and walking cane safety



AS 3996 (Clause 3.3.6) compliant for bicycle tyre penetration resistance

- Raised mechanical nodes for tread durability
- No end bars for visual continuity
- **DrainLok** barless and boltless locking system
- Suitable for use with K200, KS200, H200K, H200KS channels
- Manufactured from Grade 304 stainless steel

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



Specifications

The grate shall be ACO Type 647D Stainless Wedgewire **Heelsafe®** Anti-Slip grate with **DrainLok** barless and boltless locking system as manufactured by ACO. This grate has an overall width of 238mm and overall length of 1000mm (Type 647D) and 500mm (Type 648D). Slot widths measure at a maximum of 6mm.

Materials & Design

The grate shall be manufactured from stainless steel and have **minimum** properties and characteristics as follows:

- Raised mechanical nodes for tread durability
- No end bars for visual continuity
- Manufactured from Grade 304 stainless steel
- Certified to AS 3996 Load Class B (80kN)²
- AS 4586: P3 – Slip resistance classification for Wet Pendulum Test²
- AS 4586: C/B¹ - Slip resistance classification for Wet-Barefoot Inclining Platform 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 114,950mm² per metre of grate/57,475mm² per half metre of grate

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

² NATA endorsed test reports available

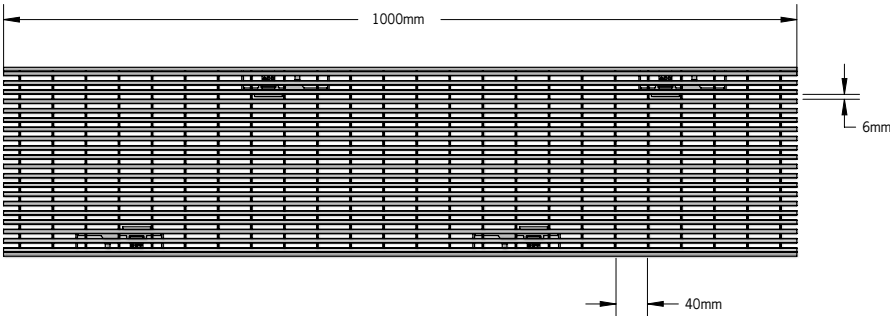
For the specification of the ACO Drain channel system selected, click: <http://www.acodrain.com.au/resources>

ACO DRAIN®

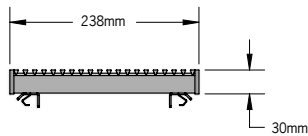
Type 647D/648D Stainless Wedgewire Heelsafe® Anti-Slip grate



Plan view

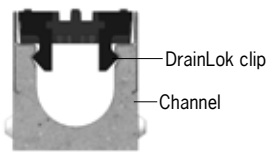


Side elevation



Description	Part No.	Length (mm)	Width (mm)	Weight (kg)
DrainLok grate				
Type 647D Stainless Wedgewire Heelsafe® Anti-Slip	142219	1000	238	7.5
Type 648D Stainless Wedgewire Heelsafe® Anti-Slip	142220	500	238	3.7
Grate removal tool	01318	-	-	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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