








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 (240kN) (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: P5 – Slip resistance classification for Wet Pendulum 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
  - Raised transverse bars for tread durability
  - No end bars for visual continuity
  - **DrainLok** barless and boltless locking system
  - Suitable for use with K100, KS100, H100K, H100KS channels
  - Manufactured from Grade 304 stainless steel



**Specifications**

The grate shall be ACO Type 416D Stainless Longitudinal 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 1000mm (Type 416D) and 500mm (Type 417D). Slot widths measure at a maximum of 7mm.

**Materials & Design**

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

- Raised transverse bars for tread durability
- No end bars for visual continuity
- Manufactured from Grade 304 stainless steel
- Certified to AS 3996 Load Class D (240kN)<sup>1</sup>
- AS 4586: P5 – Slip resistance classification for Wet Pendulum Test<sup>1</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 50,690mm<sup>2</sup> per metre of grate/25,345mm<sup>2</sup> per half metre of grate

<sup>1</sup> NATA endorsed test reports available

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

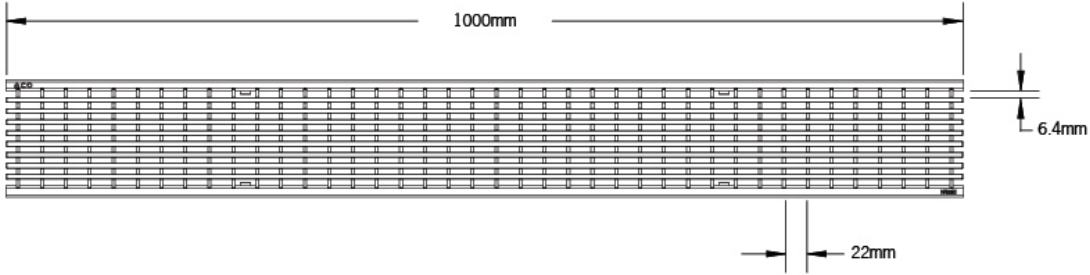
ACO Specification Information

**ACO DRAIN®**

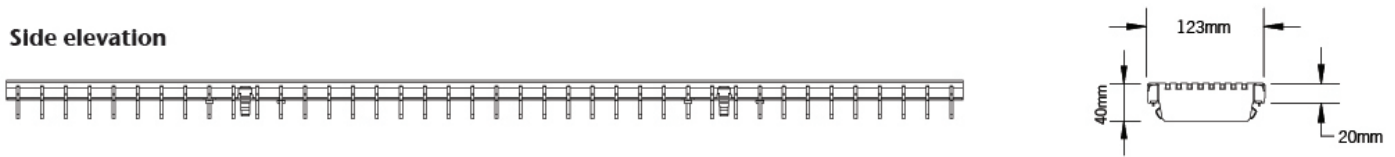
**Type 416D/417D Stainless Longitudinal Heelsafe® Anti-Slip grate**



**Plan view**

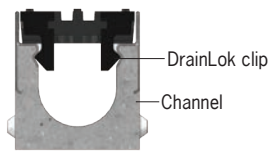


**Side elevation**



Description	Part No.	Length (mm)	Width (mm)	Weight (kg)
<b>DrainLok grate</b>				
Type 416D Stainless Longitudinal Heelsafe® Anti-Slip	<b>143135</b>	1000	123	6.2
Type 417D Stainless Longitudinal Heelsafe® Anti-Slip	<b>143134</b>	500	123	3.1
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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