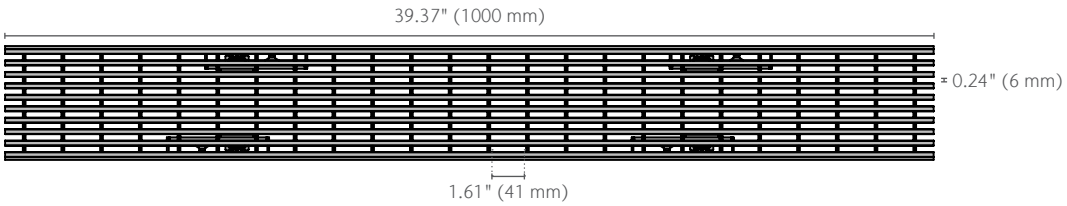
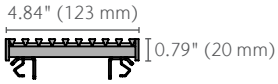
Type 447D/448D Longitudinal Stainless Steel Grate (ADA) Spec Sheet

Type 447D Longitudinal Stainless Steel Grate

part no. 142215







Product Name	Part No.	Length in (mm)	Width in (mm)	Weight lbs
Type 447D Longitudinal Stainless Steel Grate (ADA)	**142215**	39.37 (1000)	4.85 (123)	8.0
Type 448D Longitudinal Stainless Steel Grate (ADA)	**142216**	19.69 (500)	4.85 (123)	4.0

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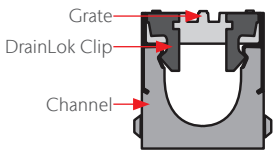
DrainLok Locking Mechanism

ACO DrainLok is a patented, boltless locking system that removes the need for bolts and bars while improving the hydraulic capacity of the channel. DrainLok Clips lock into the channel's 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.



Specification Summary

General

The surface drainage system shall be ACO Drain K100, KS100, or H100K-8 channels, complete with ACO Type 447D/448D longitudinal stainless steel grate with DrainLok locking as manufactured by ACO, Inc. or similar approved.

Installation

The trench drain system and grates shall be installed in accordance with the manufacturer's installation instructions and recommendations.

Materials

The covers shall be manufactured from stainless steel and have minimum properties as follows:

- 16 gauge, grade 304 stainless steel
- Intake area of 46.9 in^2 (305 cm^2) per half meter of grate

Type 447D has a width of 4.85" (123 mm) and length of 39.37" (1000 mm).
Type 448D has a width of 4.85" (123 mm) and length of 19.69" (500 mm).
Slots measure 1.61" (41 mm) by 0.24" (6 mm).

ADA-compliant per The Americans with Disabilities Act of 2010, Section 302.3

ASME: A112.6.3 : Section 7.12
Heel-resistant Strainers & Grates
grate hole size ≤ 0.31" (8 mm)

Australian Standard AS 3996 - 2006 Clause 3.3.6:
max slot length dependent on slot width for grates that are deemed Bicycle Tire Penetration Resistant.

Slip-resistant:
BPN > 24 based on Pendulum Test

ACO Heel-safe standard:
grate hole size ≤ 0.25" (6.5 mm)

EN1433 Load Class B
28,101 lbs – 580 psi

ACO, Inc.

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