

INSTALLATION SELECTION INFORMATION

1

Your Selection Information

Grate Description

Type 451D/453D Stainless Steel Perforated Grate

Pavement Finish

Southwest

2

Additional Information
based on your selection

Load Class

A - 3,500lbs - 70 psi

Length(s)

39.37" (1000 mm) / 19.69" (500 mm)

Channel System

KlassikDrain K100, KS100; SlabDrain H100-8, H100-10, H100K-8

Part No.

12664 / 12665

Note: The information is for grate only. Channels sold separately.

ACO Polymer Products, Inc.

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Fax: (520) 421-9899

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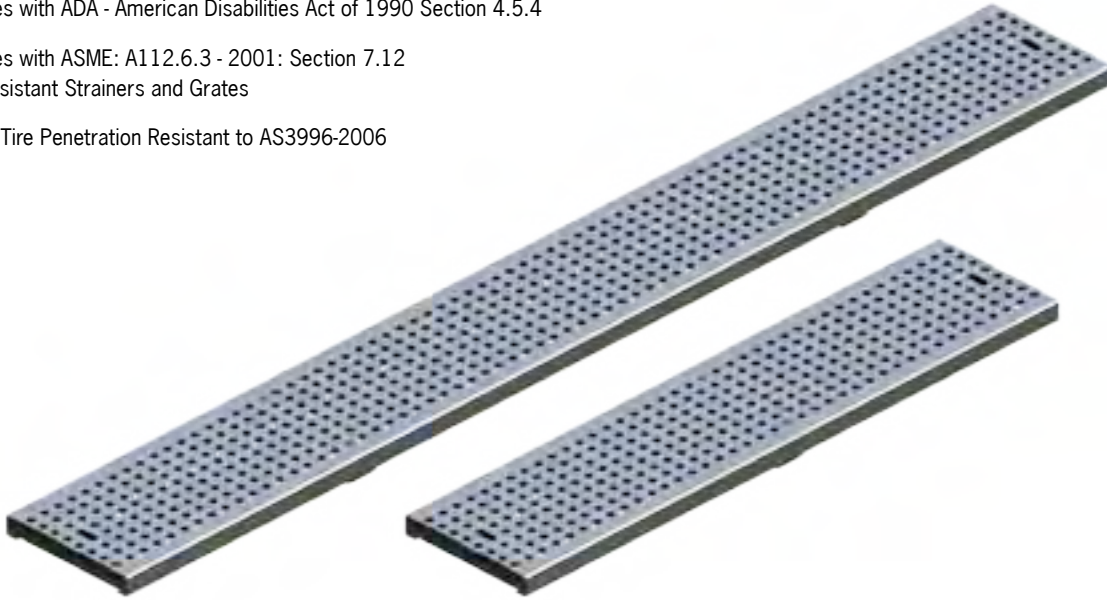
Southeast Sales Office
4211 Pleasant Road
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Toll Free: (800) 543-4764
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Type 451D/453D Perforated stainless steel grate (ADA)

Product Features

- Certified to EN 1433 Load Class A - 3,500 lbs - 70 psi
- Uses 'DrainLok' boltless locking system
- Suitable for use with K100, KS100, and H100K-8 channels
- Manufactured from 16 gauge, grade 304 stainless steel
- Patented reinforcement underneath designed to prevent bowing and collapse
- Complies with ADA - American Disabilities Act of 1990 Section 4.5.4
- Complies with ASME: A112.6.3 - 2001: Section 7.12
Heel Resistant Strainers and Grates
- Bicycle Tire Penetration Resistant to AS3996-2006



Specifications

General

The surface drainage system shall be ACO Drain K100, KS100, and H100K-8 channels*, complete with ACO Type 451D/453D Perforated stainless steel grate with 'DrainLok' locking as manufactured by ACO Polymer Products, Inc. or similar approved.

Materials

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

- **Independently certified to meet Load Class A to EN 1433 - 3,500 lbs - 70 psi**
- **16 gauge, grade 304 stainless steel**
- **Intake area of 14.1 sq. in. (91.0 cm²) per half meter of grate**

The overall width of 4.84" (123mm) and overall length of 39.37" (1000mm) (Type 451D) and 19.69" (500mm) (Type 453D). Perforations measure 0.25" (6.35mm) in diameter.

Installation

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

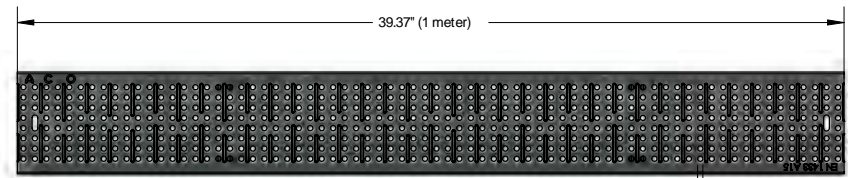
* delete as appropriate

ACO Specification Information

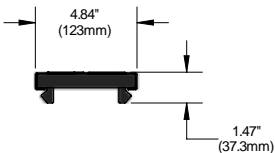
ACO DRAIN

Type 451D/453D Perforated stainless steel grate (ADA)

Plan view

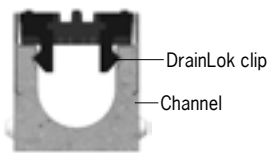


Side elevation



Description	Part No.	Length inches (mm)	Width inches (mm)	Weight lbs.
DrainLok grates				
Type 451D Perforated stainless steel grate	12664	39.37 (1000)	4.84 (123)	6.3
Type 453D Perforated stainless steel grate	12665	19.69 (500)	4.84 (123)	3.2

'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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