

# 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, 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 cm<sup>2</sup>) 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.

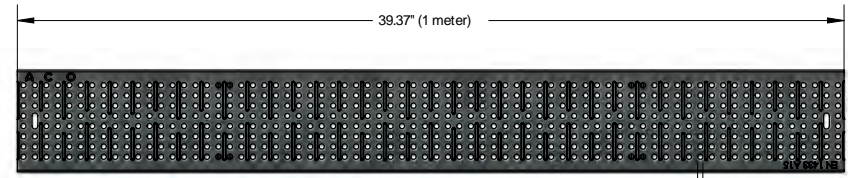
\* delete as appropriate

ACO Specification Information

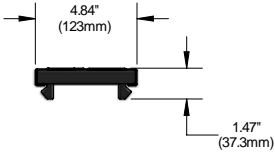
# ACO DRAIN

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Plan view

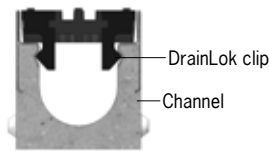


Side elevation



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

**ACO, Inc.**  
**Northeast Sales Office**  
 9470 Pinecone Drive  
 Mentor, OH 44060  
 Tel: (440) 639-7230  
 Toll free: (800) 543-4764  
 Fax: (440) 639-7235

**West Sales Office**  
 825 W. Beechcraft St.  
 Casa Grande, AZ 85122  
 Tel: (520) 421-9988  
 Toll Free: (888) 490-9552  
 Fax: (520) 421-9899

**Southeast Sales Office**  
 4211 Pleasant Road  
 Fort Mill, SC 29708  
 Toll free: (800) 543-4764  
 Fax: (803) 802-1063

**Follow us on**  
  
  
  
**Electronic Contact:**  
 info@ACODrain.us  
 www.ACODrain.us



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