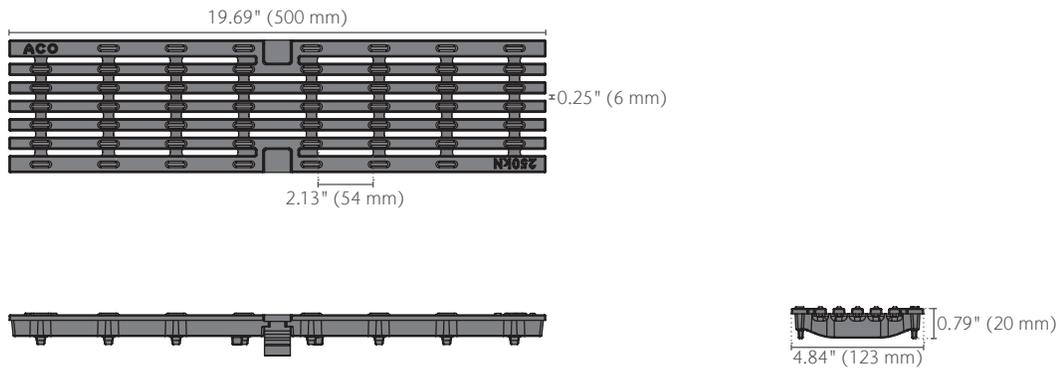


# Type 476D Longitudinal Ductile Iron Grate (ADA) Spec Sheet



## Type 476D Longitudinal Ductile Iron Grate

part no. 142171



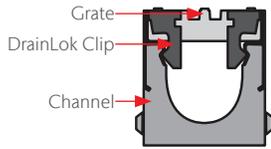
Product Name	Part No.	Length in(mm)	Width in(mm)	Weight lbs
Type 476D Longitudinal Ductile Iron Grate	<b>142171</b>	19.69 (500)	4.84 (123)	7.0

# Type 476D Longitudinal Ductile Iron Grate (ADA) Spec Sheet



## 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 476D Black Slotted Resin composite 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:

- UV stable resin composite
- Intake area of 22.6 in<sup>2</sup> (145.2 cm<sup>2</sup>) per half meter of grate

The overall width of 4.84" (123 mm) and overall length of 19.69" (0.5 m). Slots measure at 2.10" x 0.24" (54 mm x 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)



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

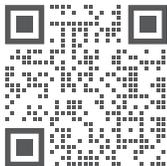


EN 1433 Load Class C  
56,202 lbs – 1,160 psi

## ACO, Inc.

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