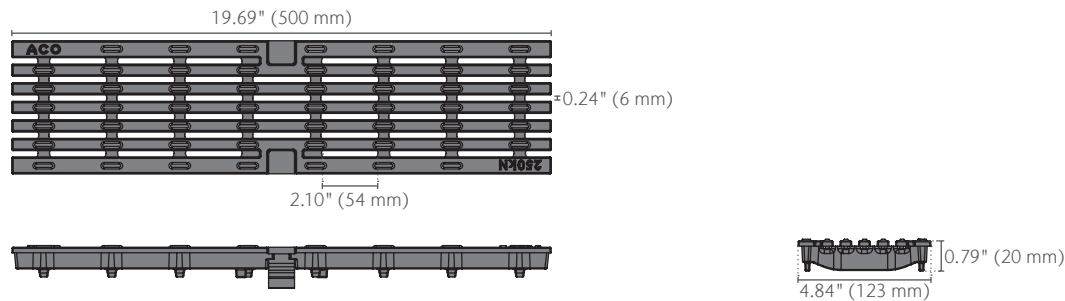


Type 476D Longitudinal Ductile Iron Grate (ADA) Spec Sheet



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	142171	19.69 (500)	4.84 (123)	8.4

Specification Summary

General

The surface drainage system shall be ACO Drain K100, KS100, or H100K-8 channels, complete with ACO Type476D Longitudinal Ductile Iron 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

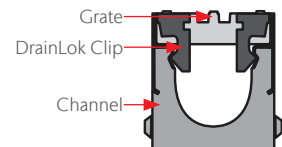
The covers shall be manufactured from ductile iron and have minimum properties as follows:

- Ductile iron to ASTM A 536-84 - Grade 65-45-12
- Intake area of 22.6 in² (145.2 cm²) 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).

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.



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



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



Slip-resistant:
BPN > 24 based on Pendulum Test



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

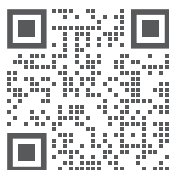


Australian Standard AS 3996 - 2006 Clause 3.3.6:
max slot length dependent on slot width for grates that are deemed Bicycle Tire Penetration Resistant.



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

ACO, Inc.



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All reasonable care has been taken in compiling the information in this document. All recommendations and suggestions on the use of ACO products are made without guarantee since the conditions of use are beyond the control of the company. It is the customer's responsibility to ensure that each product is fit for its intended purpose and that the actual conditions of use are suitable. ACO, Inc. reserves the right to change products and specifications without notice.

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