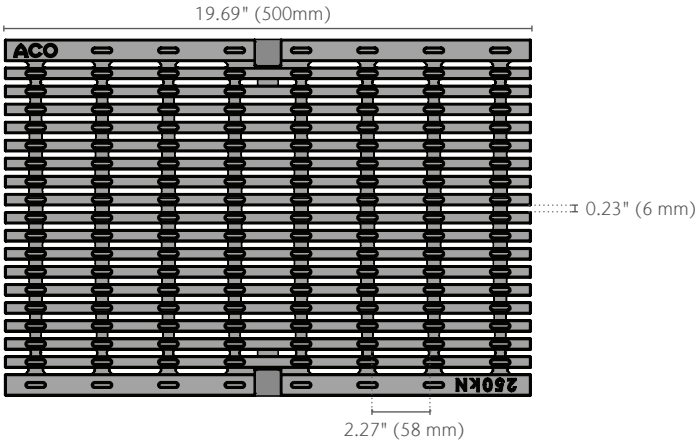
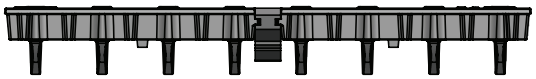
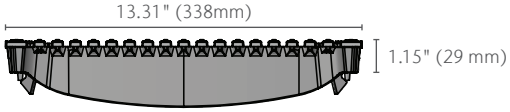
Type 876D Longitudinal Ductile Iron Grate (ADA) Spec Sheet

Type 876D Longitudinal Ductile Iron Grate

part no. 99588







Product Name	**Part No.**	Length in (mm)	Width in (mm)	Weight lbs
Type 876D Ductile Iron Longitudinal Grate	**99588**	19.69 (500)	13.31 (338)	33.6

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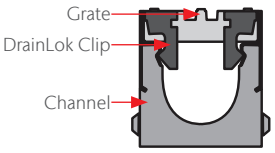
DrainLok Locking Mechanism

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 K300, KS300, and H300K-13, channels and 621G, 621S, 631G, and 631S catch basins complete with ACO Type 876D 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 80-55-06
- Intake area of 64.3 in^2 (415 cm^2) per half meter of grate

The overall width of 13.31" (338 mm) and overall length of 19.69" (500 mm).
Slots measure at 0.23" (6 mm) by 2.27" (58 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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