

Type 478Q Longitudinal ductile iron grate (ADA)



Product Features

- Certified to EN 1433 Load Class E - 135,000 lbs - 2,788 psi
- Uses 'QuickLok' boltless locking system
- Suitable for use with K100, KS100, C100, H100-8, H100-10, H100K-8, H100KS-8, and NW100 channels
- Manufactured from ductile iron to ASTM A 536-84 - Grade 65-45-12
- E- coated for improved resistance against rust
- Complies with ADA - American Disabilities Act of 1990 Section 4.5.4
- Bicycle Tire Penetration Resistant to AS 3996 - 2006



Specifications

General

The surface drainage system shall be ACO Drain K100, KS100, C100, H100-8, H100-10, H100K-8, H100KS-8, and NW100 channels* complete with ACO Type 478Q longitudinal ductile iron grate with 'QuickLok' locking as manufactured by ACO Polymer Products, Inc. or similar approved.

Materials

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

- **Independently certified to meet Load Class E to EN 1433 - 135,000 lbs - 2,788 psi**
- **Ductile iron to ASTM A 536-84 - Grade 65-45-12**
- **Intake area of 22.5 sq. in. (145.16 cm²) per half meter of grate**

The overall width of 4.85" (123.1mm) and overall length of 19.69" (500mm). Slots measure at a maximum of 0.28" (7mm).

Installation

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

* delete as appropriate

Supplied By:

**TRENCH DRAIN
SUPPLY**

877-903-7246

www.trenchdrainsupply.com

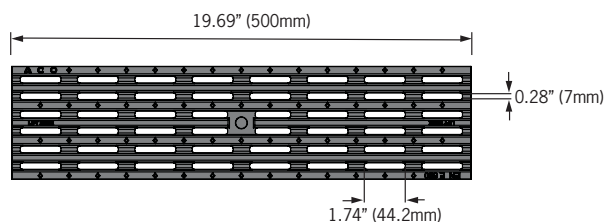
ACO Specification Information

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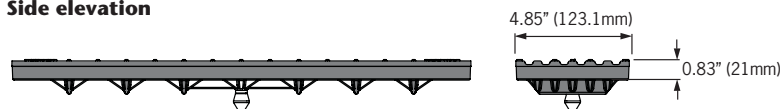
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Plan view

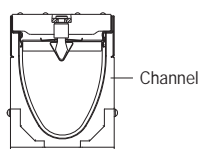


Side elevation



Description	Part No.	Length inches (mm)	Width inches (mm)	Weight lbs.
QuickLok grate				
Type 478Q Ductile iron longitudinal grate	03314	19.69 (500)	4.85 (123.7)	12.8
QuickLok locking bar	02899	-	-	0.5
QuickLok grate removal tool	01318	-	-	0.3

'QuickLok' locking mechanism



Grate

'QuickLok' locking stud (fixed to grate)

'QuickLok' locking spring (fixed to locking bar)

'QuickLok' locking bar (side and plan views)

ACO 'QuickLok' is a patented boltless locking system, grates are removed and replaced with the minimum time and effort for ease of maintenance. The unique design provides a positive 'snap down' fit into the locking bar. A stud is fixed into the grate which 'locks' into the spring clip in the locking bar.

The 'QuickLok' stud is made from stainless steel and high density nylon, the locking bar and clip are stainless steel, for use in both general purpose and corrosive environments.

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Apr 13/3

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SPEC INFO
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