

Product Features

- Certified to EN 1433 Load Class F - 200,000 lbs - 4,182 psi
- Uses 'PowerLok' boltless locking system
- Suitable for use with S200K and H200K channels
- Manufactured from ductile iron to ASTM A 536-84 - Grade 304 65-45-12
- Anti-Shunt lugs



ACO Specification Information

Specifications

General

The surface drainage system shall be ACO PowerDrain or SlabDrain, complete with ACO ductile iron slotted grate with 'PowerLok' locking as manufactured by ACO, 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 F to EN 1433 - 200,000 lbs - 4,182 psi**
- **Ductile iron to ASTM 536-84 - Grade 65-45-12**
- **Intake area of 450 sq. cm per ½ meter of grate**

The overall width of 13.25" (337mm) and overall length of 19.68" (500mm). Slots measure at a maximum of 0.75" (19mm).

Grate

Grate is slotted ductile iron. Ductile iron ASTM 536-84 - Grade 65-45-12. After removal of grates there shall be uninterrupted access to the trench to aid maintenance. Grates can be used for PowerDrain or SlabDrain.

Installation

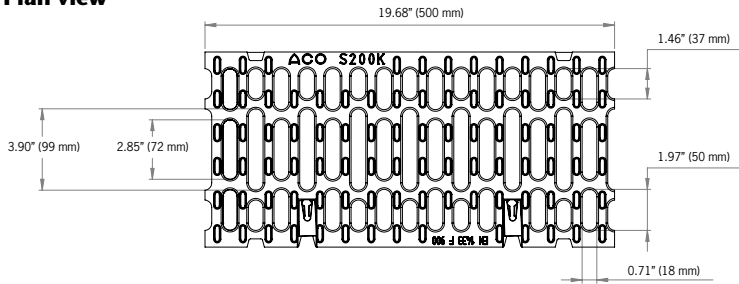
The trench drain system and grates shall be installed in accordance with the manufacturer's installation instructions and recommendations.

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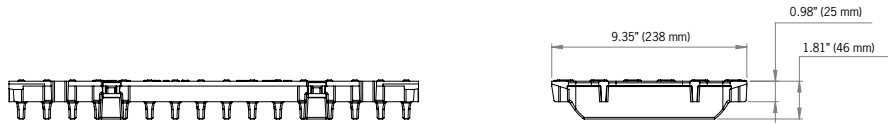
ACO DRAIN

8" width - ductile iron slotted grate

Plan view



Side elevation



Description	Part No.	Length inches (mm)	Width inches (mm)	Weight lbs.
PowerLok grate SK2 ductile iron longitudinal grate - CI E	72263	19.68 (500)	9.35 (238)	26.4

PowerLok locking mechanism

PowerLok Grate

Lug

PowerLok Device 'unlocked' position

PowerLok Rail

PowerLok Device 'locked' position

Recess in Grate

PowerLok Rail

ACO **PowerLok** is a patented boltless locking system. Grates are removed and replaced with minimum time and effort for ease of maintenance.

Lugs on the rail opposite the **PowerLok** device slots into recesses in the grate. The **PowerLok** device is used to engage the lug on the rail at two locations per grate to 'lock' the grate to the channel.

ACO, Inc.
Northeast Sales Office
 9470 Pinecone Drive
 Mentor, Ohio 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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