

**Product Features**

- Certified to EN 1433 Load Class E - 135,000 lbs - 2,323 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 longitudinal 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 E to EN 1433 - 135,000 lbs - 2,323 psi**
- **Ductile iron to ASTM 536-84 - Grade 65-45-12**
- **Intake area of 395 sq. cm per ½ meter of grate**

The overall width of 9.35" (238mm) and overall length of 19.68" (500mm). Slots measure at a maximum of 1.36" (35mm).

**Grate**

Grate is longitudinal 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.

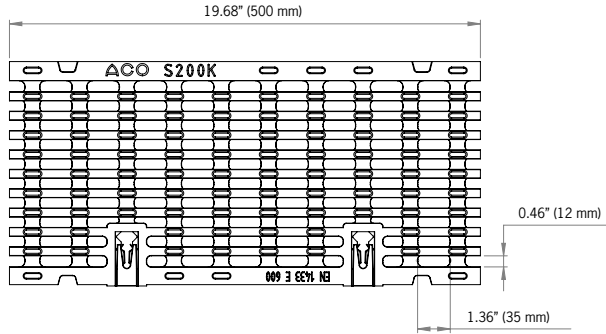
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# ACO DRAIN

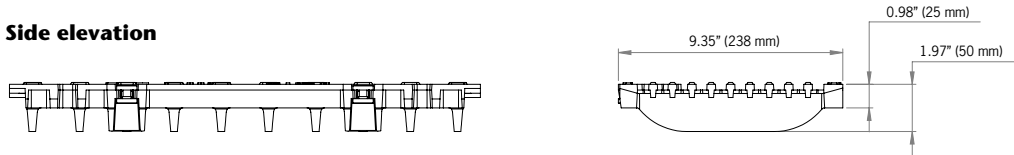
## 8" width - ductile iron longitudinal grate



Plan view

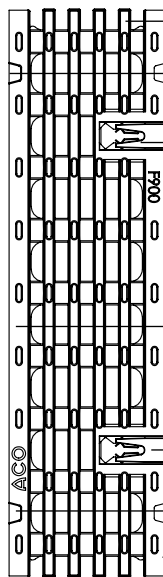


Side elevation



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

### PowerLok locking mechanism



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

**Lug**

**PowerLok Device 'unlocked' position**

**PowerLok Rail**

**PowerLok Device 'locked' position**

**Recess in Grate**

**PowerLok Rail**

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 Specification Information

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