

### Product Features

- Certified to EN 1433 Load Class F - 200,000 lbs - 4,182 psi
- Uses 'PowerLok' boltless locking system
- Suitable for use with S100K and H100K channels
- Manufactured from ductile iron to ASTM A 536-84 - Grade 304 65-45-12
- Anti-Shunt lugs



### 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 F to EN 1433 - 200,000 lbs - 4,182 psi**
- **Ductile iron to ASTM 536-84 - Grade 65-45-12**
- **Intake area of 154 sq. cm per ½ meter of grate**

The overall width of 5.43" (138mm) and overall length of 19.68" (500mm). Slots measure at a maximum of 1.35" (34mm).

#### 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.

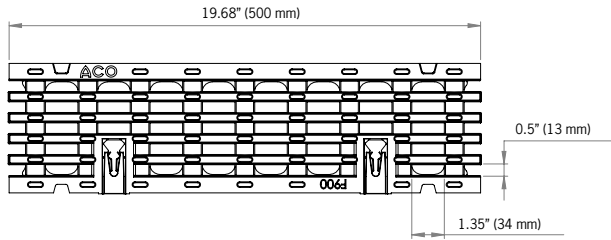
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# ACO DRAIN

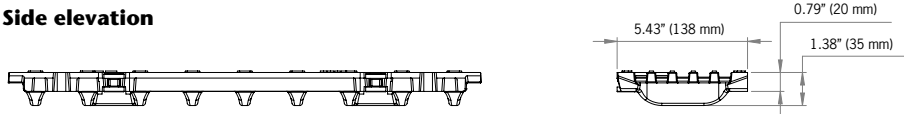
## 4" width - ductile iron longitudinal grate



### Plan view



### Side elevation



Description	Part No.	Length inches (mm)	Width inches (mm)	Weight lbs.
<b>PowerLok grate</b> SK1 ductile iron longitudinal grate - Cl F	<b>96096</b>	19.68 (500)	5.43 (138)	13.6

### 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 Specification Information

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