

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 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 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.

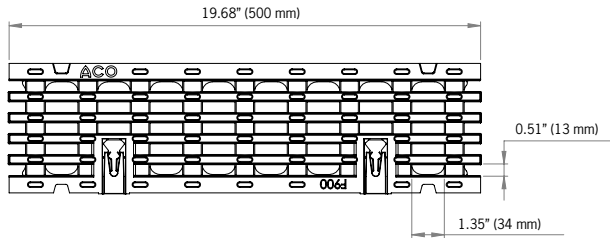
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ACO DRAIN

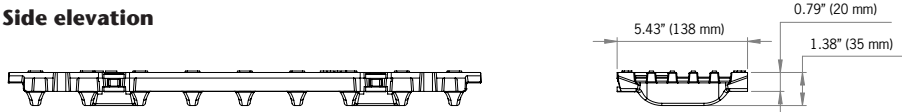
4" width - ductile iron longitudinal grate



Plan view



Side elevation



Description	Part No.	Length inches (mm)	Width inches (mm)	Weight lbs.
PowerLok grate SK1 ductile iron longitudinal grate - CI F	96096	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.

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