

Product Features

- Certified to EN 1433 Load Class F - 200,000 lbs - 4,182 psi
- Uses 'PowerLok' boltless locking system
- Suitable for use with S300K and H300K 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 S300K 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 813 sq. cm per ½ meter of grate**

The overall width of 13.25" (336mm) and overall length of 19.67" (500mm). Slots measure at a maximum of 0.74" (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.

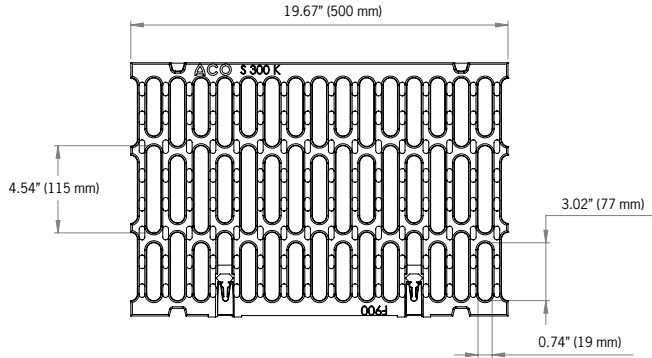
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ACO DRAIN

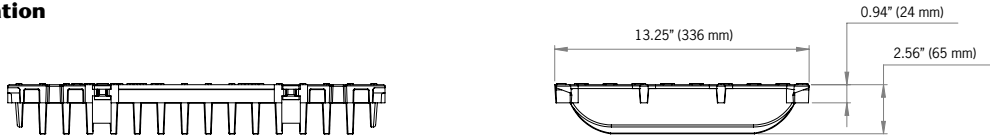
12" width - ductile iron slotted grate



Plan view

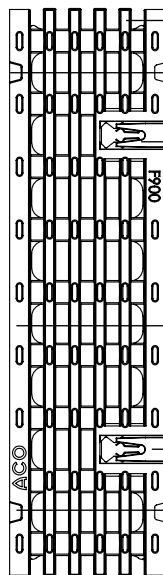


Side elevation



Description	Part No.	Length inches (mm)	Width inches (mm)	Weight lbs.
PowerLok grate SK3 ductile iron slotted steel grate - CI F	02445	19.67 (500)	13.25 (336)	50.0

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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