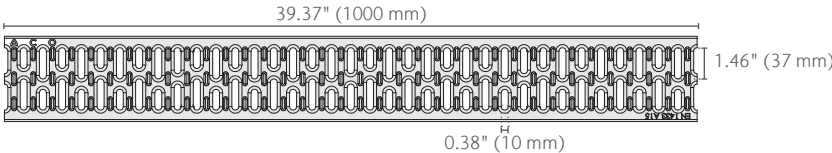


Type 420D/421D Slotted Galvanized Steel Grate Spec Sheet



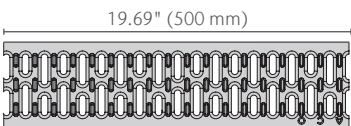
Type 420D Slotted Galvanized Steel Grate

part no. 12610



Type 421D Slotted Galvanized Steel Grate

part no. 12611



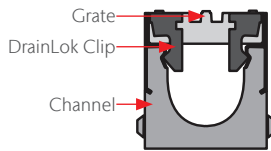
Product Name	Part No.	Length in (mm)	Width in (mm)	Weight lbs
Type 420D Slotted Galvanized Steel Grate	12610	39.37 (1000)	4.84 (123)	5.9
Type 421D Slotted Galvanized Steel Grate	12611	19.69 (500)	4.84 (123)	3.0

Type 420D/421D Slotted Galvanized Steel Grate Spec Sheet



DrainLok Locking Mechanism

ACO DrainLok is a patented, boltless locking system that removes the need for bolts and bars while improving the hydraulic capacity of the channel. DrainLok Clips lock into the channel's edge rail for rapid installation. ACO DrainLok grates are fitted with an anti-shunt mechanism that restricts unwanted grate movement when installed, improving durability and longevity of the system.



Specification Summary

General

The surface drainage system shall be ACO Drain K100, KS100, or H100K-8 channels, complete with ACO Type 420D/421D Slotted Galvanized Steel grate with DrainLok locking as manufactured by ACO, Inc. or similar approved.

Installation

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

Materials

The covers shall be manufactured from galvanized steel and have minimum properties as follows:

- 16 gauge galvanized steel
- Intake area of 17.6 in² (113.5 cm²) per half meter of grate

Type 420D has a width of 4.84" (123 mm) and length of 39.37" (1000 mm).
Type 421D has a width of 4.84" (123 mm) and length of 19.69" (500 mm).
Slots measure 1.46" (37 mm) by 0.38" (10 mm).



Slip-resistant:
BPN > 24 based on Pendulum Test



Australian Standard AS 3996 - 2006 Clause 3.3.6:
max slot length dependent on slot width for grates
that are deemed Bicycle Tire Penetration Resistant.

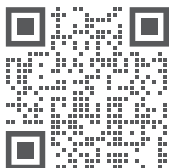


EN1433 Load Class A
3,372 lbs – 70 psi

ACO, Inc.

© July 2026 ACO, Inc.

All reasonable care has been taken in compiling the information in this document. All recommendations and suggestions on the use of ACO products are made without guarantee since the conditions of use are beyond the control of the company. It is the customer's responsibility to ensure that each product is fit for its intended purpose and that the actual conditions of use are suitable. ACO, Inc. reserves the right to change products and specifications without notice.



info@acousa.com
www.acousa.com

