

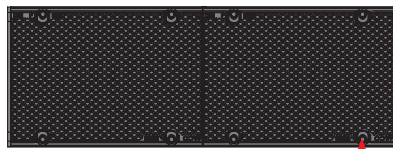
ACO UtilityDuct

DS300 with 4-bolt Solid Iron Covers

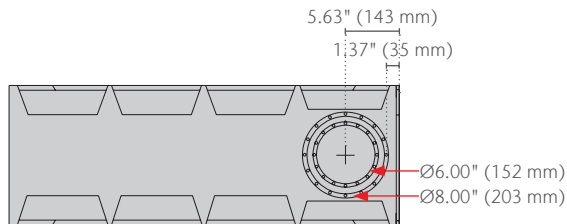
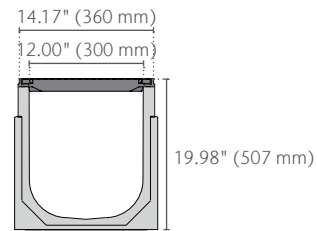
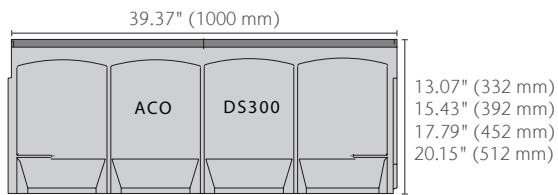


One Meter Unit

part no. 76537

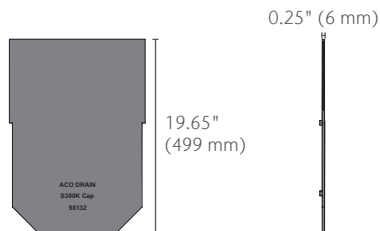


4-bolts per half meter cover



DS200 0.0 Closing End Cap

part no. 98132



DS300 with 4-bolt Solid Iron Covers



Product Name	Part No.	Invert Depth in (mm)	Overall Depth in (mm)	Weight lbs
DS3001 Polymer Concrete Duct with Ductile Iron Covers	99258	11.89 (301)	13.07 (332)	216.6
DS3010 Polymer Concrete Duct with Ductile Iron Covers	99260	14.25 (362)	15.43 (392)	229.6
DS3020 Polymer Concrete Duct with Ductile Iron Covers	99261	16.61 (422)	17.79 (452)	242.6
DS3030 Polymer Concrete Duct with Ductile Iron Covers	99262	18.98 (482)	20.15 (512)	254.6

Accessories

End Cap	98132	-	-	3.4
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1. DS300 duct is sold complete, with channel and cover.
2. Preformed drill-out for 6" and 8" pipe on underside of channel.

Specification Summary

General

The surface drainage system shall be ACO UtilityDuct DS300 complete with Class E solid ductile iron covers secured with bolted lockings (4-bolts per half meter cover) as manufactured by ACO, Inc. or equal approved.

Installation

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

Covers

Covers are manufactured from ductile iron to ASTM 536-84 - Grade 65-45-12. Covers are locked in place with 4 qty M10 high tensile steel bolts with friction grip washers per half meter (19.69") cover. Covers are load tested to meet EN 1433 Load Class E - 2,323 psi. After removal of covers there shall be uninterrupted access to the trench to aid maintenance.

Materials

Duct system bodies are manufactured from polyester polymer concrete with minimum properties as follows:

- Compressive strength: 14,000 psi
- Flexural strength: 4,000 psi
- Water absorption: 0.07%
- Frost-proof
- Salt-proof
- Dilute acid and alkali resistant
- Surface burn characteristics of the material shall comply with UL 723

The nominal clear opening shall be 12.00" (300 mm) with overall width of 14.17" (360 mm). Modular units shall be manufactured with neutral invert and have a wall thickness of at least 1.18" (30 mm). Each unit will feature a full radius in the trench bottom and a male to female interconnecting end profile. Units shall have horizontal cast in anchoring features on the outside wall to ensure maximum mechanical bond to the surrounding bedding material and pavement surface. The ductile iron edge rail will be integrally cast in by the manufacturer to ensure maximum homogeneity between polymer concrete body and edge rail.



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.



ADA-compliant per The Americans with Disabilities Act of 2010, Section 302.3

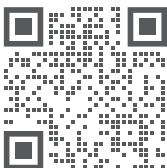


EN1433 Load Class E
134,885 lbs – 2,785 psi

ACO, Inc.

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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.



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