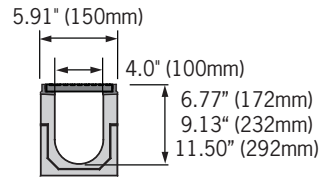
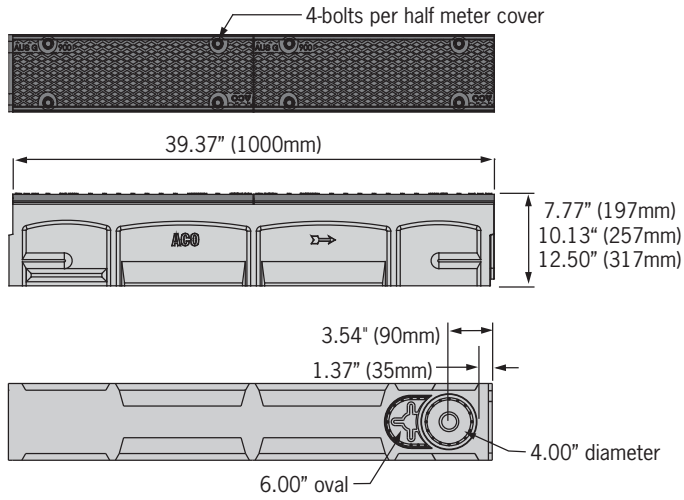


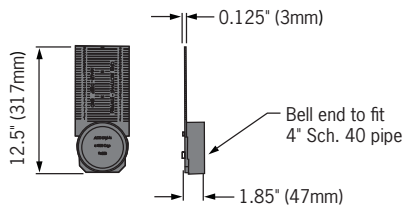
DS100 with 4 bolt solid iron covers



One meter channel



Closing end cap



ACO Specification Information



**ACO UTILITYDUCT
DS100 with 4 bolt solid iron covers**



Description	Part No	Invert (inches)	Overall (inches)	Wgt lbs
DS010 polymer concrete duct with ductile iron covers	99266	6.77	7.77	83.9
DS020 polymer concrete duct with ductile iron covers	99267	9.13	10.13	99.9
DS030 polymer concrete duct with ductile iron covers	99268	11.50	12.50	110.9
Accessories				
End cap	95063	-	-	0.4

- Notes**
 1. DS100 duct is sold complete, with channel and cover.
 2. Performed drill-out for 4" round or 6" oval to round pipe on underside of channel.

Specifications

General
 The surface drainage system shall be ACO UtilityDuct DS100 complete with Class F solid ductile iron covers secured with bolted lockings (4-bolts per half meter cover) as manufactured by ACO Polymer Products, Inc. or equal approved.

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 4" (100mm) with overall width of 6.30" (160mm). Modular units shall be manufactured with neutral invert and have a wall thickness of at least 0.67" (16mm). 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.

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 F - 4,182psi. After removal of covers there shall be uninterrupted access to the trench to aid maintenance.

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

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