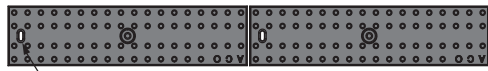
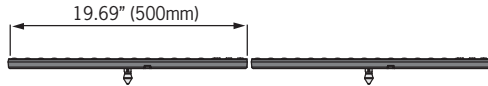




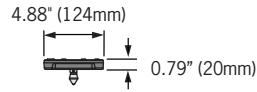
Type 456 solid cover



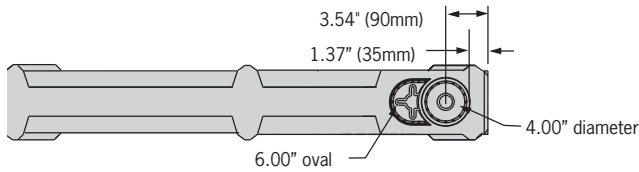
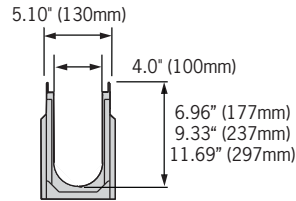
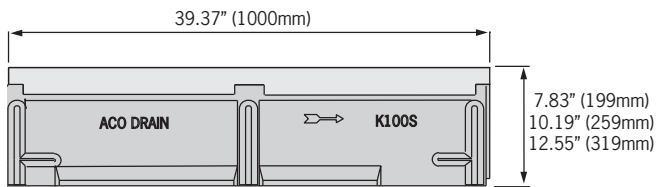
Access hole for cover removal tool



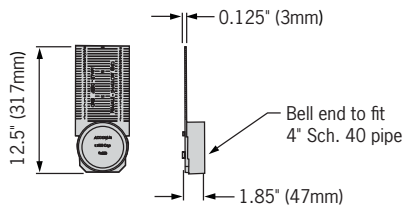
1 qty QuickLock lockings per half meter grate



One meter channel



Closing end cap



ACO UTILITYDUCT DK100 with Type 456 solid iron covers



Description	Part No	Invert (inches)	Overall (inches)	Wgt lbs
DK010 polymer concrete duct	99266	6.77	7.77	64.0
DK020 polymer concrete duct	99267	9.13	10.13	65.0
DK030 polymer concrete duct	99268	11.50	12.50	68.0
Cover				
Type 456 solid iron cover (2 per channel required)	06573	-	-	14.2
QuickLok locking bars (2 per channel required)	02899	-	-	0.1
Cover removal tool	01318	-	-	0.3
Accessories				
End cap	95063	-	-	0.4

Notes

- DK100 duct is sold as channel only, cover is ordered as a separate item (qty 2 Type 456 covers and Qty 2 Quicklok locking bars required per meter duct).
- Preformed 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 DK100 complete with Type 456 Class C solid ductile iron covers secured with QuickLok boltless lockings (2 lockings per meter unit) 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 6.10" (155mm). Modular units shall be manufactured with neutral invert and have a wall thickness of at least 0.50" (13mm). 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 galvanized steel edge rail will be integrally cast in by the manufacturer to ensure maximum homogeneity between polymer concrete body and edge rail. Each edge rail shall be at least 1/8" (3mm) thick.

Covers

Type 456 covers are manufactured from ductile iron to ASTM 536-84 - Grade 65-45-12. Covers are locked in place with 1 qty QuickLok lockings per half meter (19.69") cover. Covers are load tested to meet EN 1433 Load Class C - 1,162psi.

Installation

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

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