

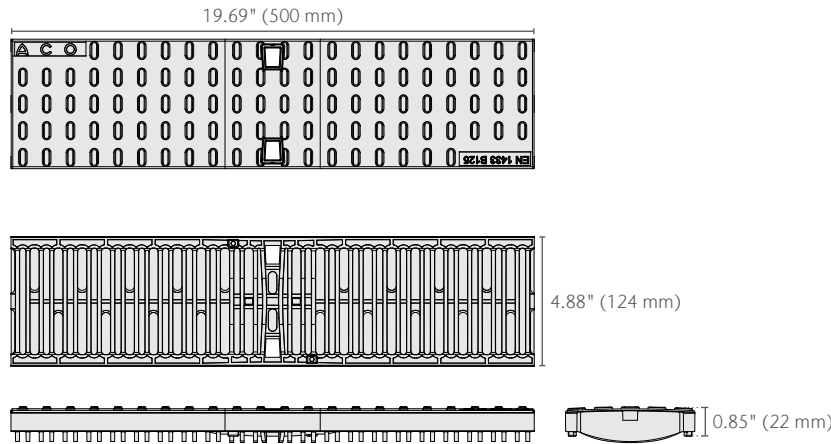
# ACO UtilityDuct

## DK100 System with Type 454D Composite Cover with Microgrip



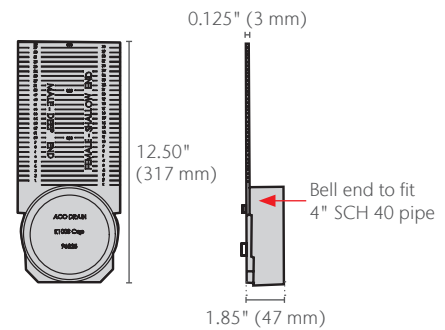
### Type 454D Composite Cover with Microgrip

part no. 132729

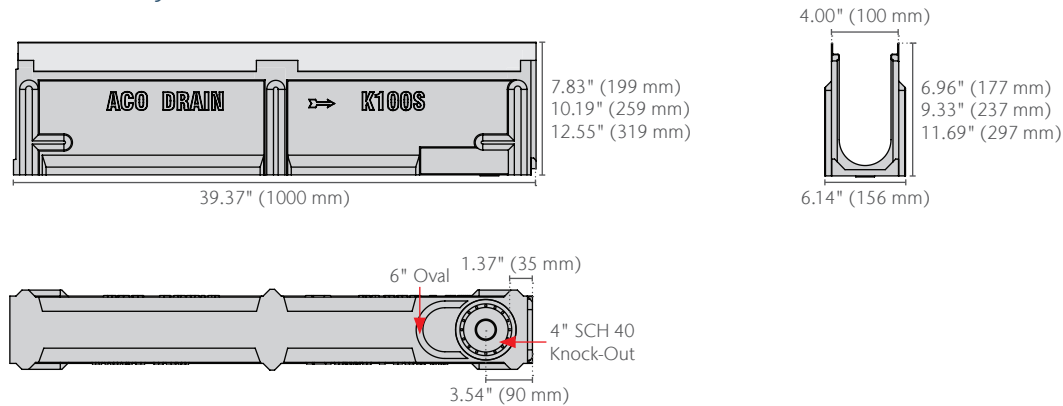


### End Cap

part no. 96825



### DK100 Polymer Concrete Duct



Product Name	Part No.	Invert Depth in (mm)	Overall Depth in (mm)	Weight lbs
DK010 Polymer Concrete Duct - 39.37" (1000 mm)	<b>99320</b>	6.96 (177)	7.83 (199)	36.8
DK020 Polymer Concrete Duct - 39.37" (1000 mm)	<b>99321</b>	9.33 (237)	10.19 (259)	46.0
DK030 Polymer Concrete Duct - 39.37" (1000 mm)	<b>99322</b>	11.69 (297)	12.55 (319)	55.8
Type 454D Composite with Microgrip (500 mm)	<b>132729</b>	-	-	1.7
DK100 End Cap	<b>96825</b>	-	-	0.4

- DK100 duct is sold as channel only, cover is ordered as a separate item (two covers required per meter duct).
- Preformed drill-out for 4" round or 6" oval to round pipe on underside of channel.

# DK100 System with Type 454D Composite Cover with Microgrip



## Specification Summary

### General

The ducting system shall be ACO UtilityDuct DK100 complete with Type 454D Composite Cover with Microgrip secured with DrainLok 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.

### Grates

Type 454D Composite Covers with Microgrip Covers are manufactured from Polypropylene and Microgrip texture. Covers are held in place with DrainLok and load tested to meet EN 1433 Load Class B - 28,000 lbs - 581 psi

### Materials

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

- Compressive strength: 13,000 psi
- Flexural strength: 3,100 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" (100 mm) with overall width of 6.10" (155 mm). Modular units shall be manufactured with neutral invert and have a wall thickness of at least 0.50" (13 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 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" (3 mm) thick.



ASME: A112.6.3 : Section 7.12  
Heel-resistant Strainers & Grates  
grate hole size ≤ 0.31" (8 mm)



ACO Heel-safe standard:  
grate hole size ≤ 0.25" (6.5 mm)



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



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.



Slip-resistant:  
BPN > 24 based on Pendulum Test

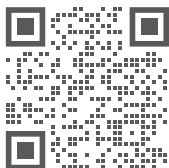


EN1433 Load Class B  
28,101 lbs – 580 psi

## ACO, Inc.

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