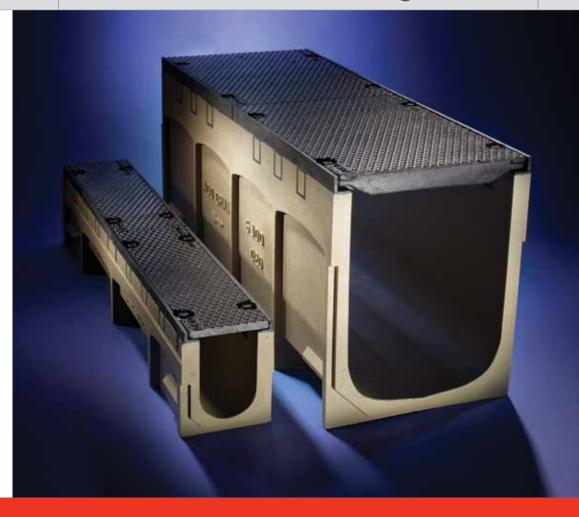
# ACO Construction & Building Products

Utility Management

System







## **Ducting System for Surface Level Utilities**

Modular ducting channels with solid covers



### **The ACO Group**

Established in 1946, the ACO Group has been a major manufacturer of products for the construction and building industry for more than 60 years.

The Group operates on a global basis and has companies in more than 40 countries with manufacturing on 4 continents.

ACO employs more than 3,500 people and has sales in excess of \$600 million.

ACO has been present in the USA since 1978 and has offices and manufacturing facilities nationwide.





### **ACO UtilityDuct**

A surface ducting system is designed to protect cables, pipes etc. against external influences. The duct also acts as a shield to prevent its potentially hazardous contents from causing damage or injury to maintenance workers, passing pedestrians and nearby property.

A duct allows continual access along a cable/pipe route via removable covers. Polymer concrete is an ideal material for electrical ducts as it offers excellent insulation properties - electrical resistivity rating of  $1x108 \Omega/sq$ .

### ACO UTILITYDUCT

### **DK100 Ducting**

### Features

- 4" (100mm) internal width
- Choice of 4 neutral depths
- Excellent material dielectric properties
- Resistant to chemicals and oils
- Cost effective and easy installation
- Light to medium duty DK system capable of withstanding up to Class C (56,200lbs/1,162psi) loading
- Choice of removable covers

Keyhole to allow removal of covers with QuickLok tool



Galvanized steel solid cover Load Class C - up to (56,200lbs/1,162psi)

Ductile iron solid cover – Load Class C - up to (56,200lbs/1,162psi)

QuickLok locking bars - allows boltless locking for quick placement and removal of covers



Plastic end cap fits all channels

1 meter (39.37") long polymer concrete modular ducting channel

Integrally cast-in galvanized steel edge rail

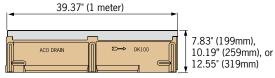
Interlocking male and female joints

### **DK100 Ducting Parts List**



|  | Invert | Part  | Weight |
|--|--------|-------|--------|
| Description  | Depth  | No.   | (lbs)  |
| DK010 polymer concrete duct  | 6.96"  | 99272 | 36.8   |
| DK020 polymer concrete duct  | 9.33"  | 99295 | 46.0   |
| DK030 polymer concrete duct  | 11.69" | 99317 | 55.8   |
| DK100 End cap  | -      | 96825 | 0.4    |
| Cover Options  |        |       |        |
| Type 416 Galvanized steel solid cover - 1 meter (39.37")                 | -      | 02590 | 10.1   |
| Type 456 Ductile iron solid cover - 0.5 meter (19.69") use 2 per channel | -      | 06573 | 14.2   |
| QuickLok locking bar (2 per channel required)                            | -      | 02899 |        |
| Notes:   |        |       |        |

1. Units are sold as channel and covers separately - add weights for total unit weight.



5.10" (130mm) 4.0" (100mm)

6.10" (155mm)

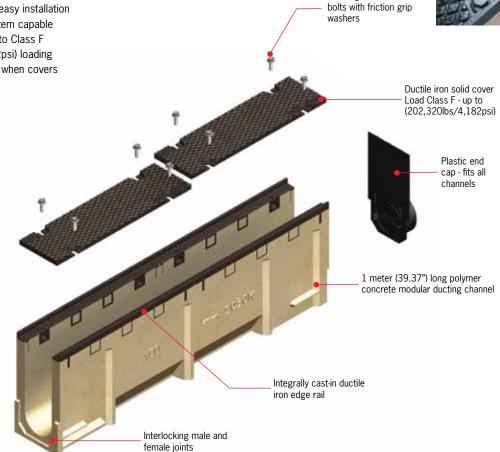
5

### **DS100 Ducting**

### Features

- 4" (100mm) internal width •
- Choice of 3 neutral depths •
- Excellent material dielectric properties
- Resistant to chemicals and oils
- Cost effective and easy installation •
- Heavy duty DS system capable of withstanding up to Class F (202,320lbs/4,182psi) loading
- Continuous access when covers removed

M10 high tensile steel



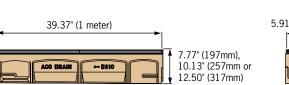
### **DS100 Ducting Parts List**

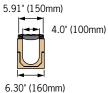


|  | Invert | Part  | Weight (lbs)       |                    |
|--|--------|-------|--------------------|--------------------|
| Description  | Depth  | No.   | Total <sup>1</sup> | Cover <sup>2</sup> |
| DS010 polymer concrete duct with ductile iron covers | 6.77"  | 99266 | 64.0               | 15.4               |
| DS020 polymer concrete duct with ductile iron covers | 9.13"  | 99267 | 65.0               | 15.4               |
| DS030 polymer concrete duct with ductile iron covers | 11.50" | 99268 | 68.0               | 15.4               |
| DS100 End cap  | -      | 95063 | 0.4                |                    |

#### Notes:

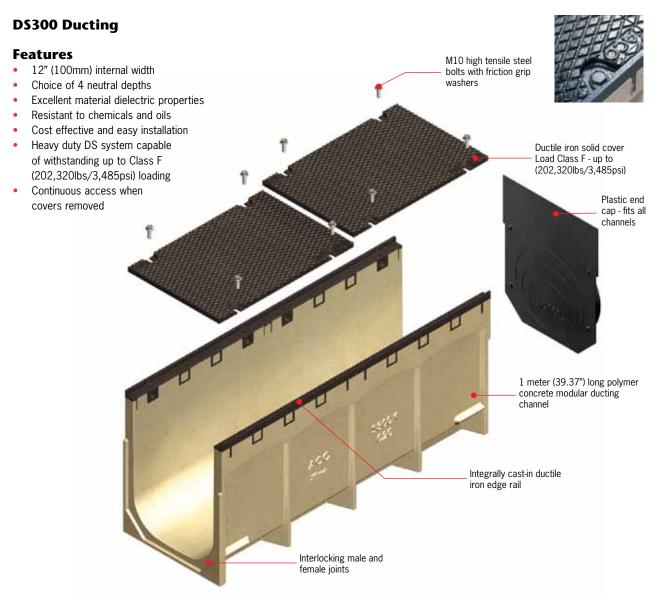
Units are sold complete (channel and 2 covers) - total weight is complete unit.
Cover weights are provided as lifting weight information (individual lids only).





www.acousa.com

### ACO UTILITYDUCT

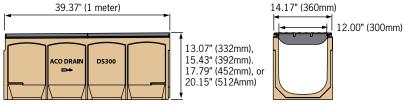


### **DS300 Ducting Parts List**



|  | Invert | Part  | Weight (lbs)       |                    |
|--|--------|-------|--------------------|--------------------|
| Description  | Depth  | No.   | Total <sup>1</sup> | Cover <sup>2</sup> |
| DS300 01 polymer concrete duct with ductile iron covers  | 11.89" | 99258 | 125.2              | 48.4               |
| DS300 010 polymer concrete duct with ductile iron covers | 14.25" | 99260 | 145.6              | 48.4               |
| DS300 020 polymer concrete duct with ductile iron covers | 16.61" | 99261 | 159.2              | 48.4               |
| DS300 030 polymer concrete duct with ductile iron covers | 18.98" | 99262 | 167.6              | 48.4               |
| DS300 End cap  | -      | 98132 | 3.4                |                    |

1. Units are sold complete (channel and 2 covers) - total weight is complete unit. 2. Cover weights are provided as lifting weight information (individual lids only).





### **Other ACO product lines**

#### ACO DRAIN

ACO Drain is the world's leading modular trench drain system for commercial, industrial and landscape applications.

### ACO SPORT

ACO Sport is a range of drainage and building accessories for track & field, used at Olympic sites since 1972.

#### ACO ROAD

ACO Road is a range of drainage products engineered for the unique design and performance demands of highways, urban roads and bridges.

#### ACO PAVE

ACO Pave is a range of polymer concrete tactile pavers for ADA compliant drop curbs and ramps.

#### AQUADUCT

Aquaduct custom designs and manufactures fiberglass trench drain systems to meet individual project requirements.

#### MARKANT BY ACO

Markant by ACO range of building products designed for the residential builder and DIY enthusiast.

### QUARTZ BY ACO

QuARTz by ACO range of stainless steel, linear shower drains for custom tiled showers.

**ACO** Polymer Products, Inc.

#### **East Sales Office**

P.O. Box 245 Chardon, OH 44024 Tel: (440) 285-7000 Toll free: (800) 543-4764 Fax: (440) 285-7005

#### West Sales Office

P.O. Box 12067 Casa Grande, AZ 85130 Tel: (520) 421-9988 Toll Free: (888) 490-9552 Fax: (520) 421-9899

Electronic Contact: info@acousa.com www.acousa.com



Follow us on



© August 2010 ACO Polymer Products, 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 Polymer Products, Inc. reserves the right to change products and specifications without notice. Reorder DT001