ACO UTILITYDUCT

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 almost 70 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 3,800 people and has sales in excess of $850 million.

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

ACO UtilityDuct

Developed from the industry leading modular surface drainage system ACO Drain, ACO Utility gives the same versatile ‘plug and play’ approach to surface ducting.

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/pipeline route via removable covers.

Polymer concrete is an ideal material for electrical ducts as it offers excellent insulation properties - electrical resistivity rating of $1 \times 10^8 \, \Omega \cdot \text{sq.}$
DK100 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
- Light to medium duty system capable of withstanding up to Class E (134,800lbs/2,788psi) loading
- Choice of removable covers provide continuous duct access to lay down, or access cables, pipes etc.

### DK100 Ducting Parts List

<table>
<thead>
<tr>
<th>Description</th>
<th>Part No.</th>
<th>Invert Depth</th>
<th>Length</th>
<th>Weight (lbs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>DK010 polymer concrete duct</td>
<td>99320</td>
<td>6.96 (177)</td>
<td>39.37 (1000)</td>
<td>36.8</td>
</tr>
<tr>
<td>DK020 polymer concrete duct</td>
<td>99321</td>
<td>9.33 (237)</td>
<td>39.37 (1000)</td>
<td>46.0</td>
</tr>
<tr>
<td>DK030 polymer concrete duct</td>
<td>99322</td>
<td>11.69 (297)</td>
<td>39.37 (1000)</td>
<td>55.8</td>
</tr>
<tr>
<td>DK100 End cap</td>
<td>96825</td>
<td>-</td>
<td>-</td>
<td>0.4</td>
</tr>
</tbody>
</table>

**Cover Options**
- Type 416 Galvanized steel solid cover 98947 - 39.37 (1000) 12.1
- Type 456 Ductile iron solid cover 12672 - 19.69 (500) 9.9

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

![Diagram of DK100 Ducting Parts List](image)
DS100 Ducting

Features
- 4” (100mm) internal width
- Choice of 3 neutral depths
- Excellent material dielectric properties
- Resistant to chemicals and oils
- Heavy duty system capable of withstanding up to Class E (134,800lbs/2,323psi) loading
- Continuous access when covers removed

Part Invert Depth Length Weight (lbs)

<table>
<thead>
<tr>
<th>Description</th>
<th>Part No.</th>
<th>Invert Depth (inches)</th>
<th>Length (inches)</th>
<th>Weight (lbs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>DS100 duct with ductile iron covers</td>
<td>99264</td>
<td>6.77 (172)</td>
<td>39.37 (1000)</td>
<td>83.9</td>
</tr>
<tr>
<td>DS100 duct with ductile iron covers</td>
<td>99265</td>
<td>9.13 (232)</td>
<td>39.37 (1000)</td>
<td>99.9</td>
</tr>
<tr>
<td>DS100 duct with ductile iron covers</td>
<td>99266</td>
<td>11.50 (292)</td>
<td>39.37 (1000)</td>
<td>110.9</td>
</tr>
<tr>
<td>DS100 End cap</td>
<td>99257</td>
<td>-</td>
<td>-</td>
<td>0.7</td>
</tr>
</tbody>
</table>

Notes:
1. Units are sold complete (polymer concrete channel and 2 ductile iron covers) - total weight is complete unit.
2. Cover weights are provided as lifting weight information (individual covers only).

M10 high tensile steel bolts w/ friction grip washers

Plastic end cap - fits all channels

Interlocking male and female joints

Polymer concrete modular ducting channel offers excellent dielectric properties and is resistant to chemicals and oils

Integrally cast ductile iron edge rail

DS100 Ducting Parts List

49.37” (1 meter)

7.7” (197mm), 10.24” (260mm), 12.5” (317mm)

7.87” (200mm)

6.30” (160mm)

7.7” (197mm), 10.13” (257mm)

5.91” (150mm)

6.01” (153mm)

DS200 Ducting

Features
- 8” (200mm) internal width
- 1 neutral depth
- Excellent material dielectric properties
- Resistant to chemicals and oils
- Heavy duty system capable of withstanding up to Class E (134,800lbs/2,323psi) loading
- Continuous access when covers removed

Part Invert Depth Length Weight (lbs)

<table>
<thead>
<tr>
<th>Description</th>
<th>Part No.</th>
<th>Invert Depth (inches)</th>
<th>Length (inches)</th>
<th>Weight (lbs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>DS200 duct with ductile iron covers</td>
<td>74517</td>
<td>10.24 (260)</td>
<td>39.37 (1000)</td>
<td>180.0</td>
</tr>
<tr>
<td>DS200 End cap</td>
<td>99256</td>
<td>-</td>
<td>-</td>
<td>0.7</td>
</tr>
</tbody>
</table>

Notes:
1. Units are sold complete (polymer concrete channel and 2 ductile iron covers) - total weight is complete unit.
2. Cover weights are provided as lifting weight information (individual covers only).

M10 high tensile steel bolts w/ friction grip washers

Plastic end cap - fits all channels

Interlocking male and female joints

Polymer concrete modular ducting channel offers excellent dielectric properties and is resistant to chemicals and oils

Integrally cast ductile iron edge rail

DS200 Ducting Parts List

49.37” (1 meter)

10.24” (260mm)

14.17” (360mm)

17.79” (452mm), 20.15” (512mm)

39.37” (1 meter)

11.42” (290mm)

13.07” (332mm), 15.43” (392mm)

12.00” (300mm)

39.37” (1 meter)

DS300 Ducting

Features
- 12” (300mm) internal width
- Choice of 4 neutral depths
- Excellent material dielectric properties
- Resistant to chemicals and oils
- Heavy duty system capable of withstanding up to Class E (134,800lbs/2,323psi) loading
- Continuous access when covers removed

Part Invert Depth Length Weight (lbs)

<table>
<thead>
<tr>
<th>Description</th>
<th>Part No.</th>
<th>Invert Depth (inches)</th>
<th>Length (inches)</th>
<th>Weight (lbs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>DS300 duct with ductile iron covers</td>
<td>99258</td>
<td>11.89 (302)</td>
<td>39.37 (1000)</td>
<td>216.6</td>
</tr>
<tr>
<td>DS300 duct with ductile iron covers</td>
<td>99260</td>
<td>14.25 (362)</td>
<td>39.37 (1000)</td>
<td>229.6</td>
</tr>
<tr>
<td>DS300 duct with ductile iron covers</td>
<td>99261</td>
<td>16.61 (422)</td>
<td>39.37 (1000)</td>
<td>242.6</td>
</tr>
<tr>
<td>DS300 duct with ductile iron covers</td>
<td>99262</td>
<td>18.98 (482)</td>
<td>39.37 (1000)</td>
<td>254.6</td>
</tr>
<tr>
<td>DS300 End cap</td>
<td>99257</td>
<td>-</td>
<td>-</td>
<td>3.4</td>
</tr>
</tbody>
</table>

Notes:
1. Units are sold complete (polymer concrete channel and 2 ductile iron covers) - total weight is complete unit.
2. Cover weights are provided as lifting weight information (individual covers only).

M10 high tensile steel bolts w/ friction grip washers

Plastic end cap - fits all channels

Interlocking male and female joints

Polymer concrete modular ducting channel offers excellent dielectric properties and is resistant to chemicals and oils

Integrally cast ductile iron edge rail

DS300 Ducting Parts List

49.37” (1 meter)

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

14.17” (360mm)

13.07” (332mm), 15.43” (392mm), 17.79” (452mm), or 20.15” (512mm)

39.37” (1 meter)
Other ACO product lines

- **ACO DRAIN**
  World's leading modular trench drain system for commercial, industrial and landscape applications.

- **ACO SPORT**
  A range of drainage and building accessories for track & field, used at Olympic sites since 1972.

- **ACO INFRASTRUCTURE**
  Surface drainage for highways, urban roads and bridges.

- **ACO STORMBRIXX**
  A unique, patented plastic geocellular stormwater management system.

- **ACO ENVIRONMENT**
  Oil water separator and spill containment systems.

- **ACO WILDLIFE**
  Tunnel and fence system designed to guide amphibians and other small creatures safely across roads.

- **ACO MARKANT**
  Simple plastic and polymer concrete trench units for use around the home, garden and office.

- **QUARTZ BY ACO**
  Stainless steel shower drains and accessories for tiled showers.