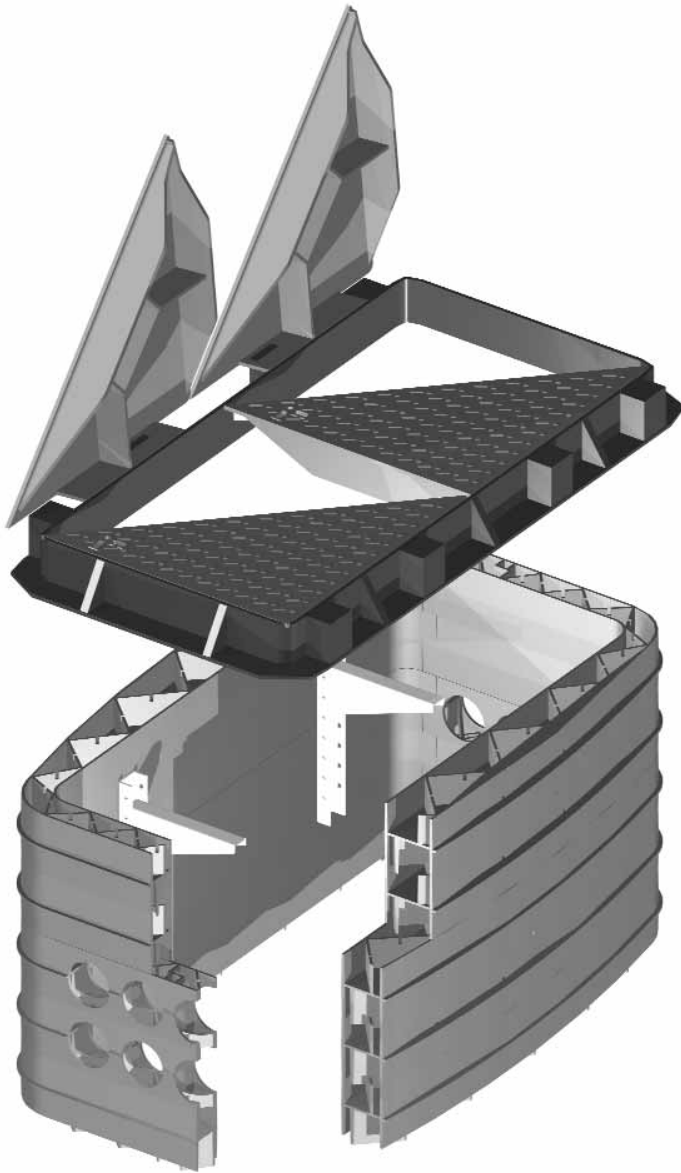




Fortress Carriageway



Cover Options

See reverse for details of various cover and frame options.

Box Options

Product Box
1310 x 610

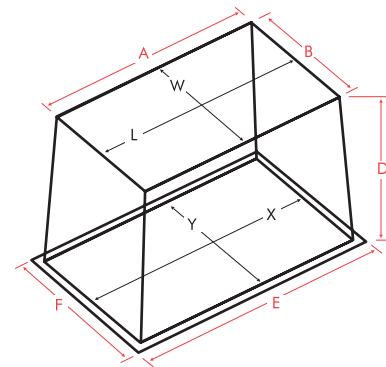
Dimensions:

Inside Outside
L/W 1310/610 A/B 1480/900 D 750 ± 150
X/Y 1310/610 E/F 1480/900

Bottom Plates/Floors

See reverse for details of bottom plates/floors and grate options.

- Positive interlock between sections.
- Traffic proven at Transport Research Laboratory.
- Patented Design.
- Over 60T vertical strength.
- Suitable for building around installed apparatus.



Application Notes: Carson boxes are suitable for a wide range of applications, from grass verge (A15) to car park & footpath applications (B125). It is important to select the correct cover and frame and installation method to suit the loading and local conditions. Technical advice is available from Carson. These products are not designed for carriageway use. *All dimensions to nearest 5mm.* Due to our policy of continuous improvement, we reserve the right to change specifications without notice.



IDA Business & Technology Park,
Racecourse Road, Roscommon, Ireland.
Tel: +353 (0)9066 25922
Fax: +353 (0)9066 25921
email: sales@carson europe.com
www.carson europe.com www.multiduc.com



Glendora, California

www.carsonind.com



Material Data

(Specification available on request)

Structural Foam – High Density Polyethylene

HDPE has excellent chemical resistance to ethanol, acetone, diesel etc. and is unaffected by sulfate ground conditions.

- Recyclable
- Robust – no breakage waste
- Completely impervious to water
- Nitrogen injection creates cellular core (CFC free)
- High strength to weight ratio
- High stiffness to weight ratio
- Easy to cut for duct entries

Properties of unfoamed resin	Test Method	HDPE
Tensile Strength	ISO 1926	21.37 - 37.92 N/mm ²
Flexural Modulus	ISO 1290 - 2	1103 - 1447 N/mm ²
Notched Izod Impact Strength	ISO 180 - 1A	270 - 800 J/M
Deflection Temperature	ISO 75 - 1	73 - 82°
Density	ISO 8962	0.955 g/cm ³
Chemical Resistance	–	Excellent
Water Absorption	–	None

Vertical Load Rating

Over 60 Tonnes free standing test.
Suitable for installation in fast moving traffic when properly installed and used with approved covers and frames.

Other Depth Options

Depth can be increased as required.

Cover and Frame Options

- Ductile Iron and Concrete Infill Cover & Galvanised Steel Frame (EN124 Class B125)
- Carriageway Cover D400/E600
Ductile Iron or Cast Iron 150mm or 100 mm deep frame
- Hinged Locking D400/E600

Only suitable for use with approved covers and frames.

Base Options

- Duct and pipe entries can be provided to suit customer applications
- Bottom plates/floors and grates to protect or locate internal equipment can be provided.

Application Notes: Carson boxes are suitable for a wide range of applications, from grass verge (A15) to car park & footpath applications (B125). It is important to select the correct cover and frame and installation method to suit the loading and local conditions. Technical advice is available from Carson. These products are not designed for carriageway use. *All dimensions to nearest 5mm.* Due to our policy of continuous improvement, we reserve the right to change specifications without notice.



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