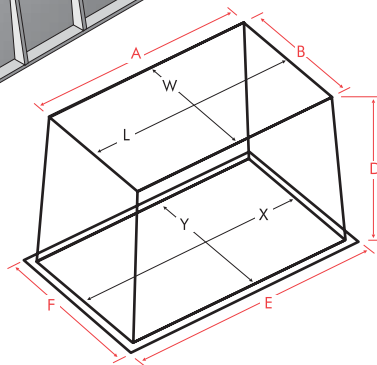
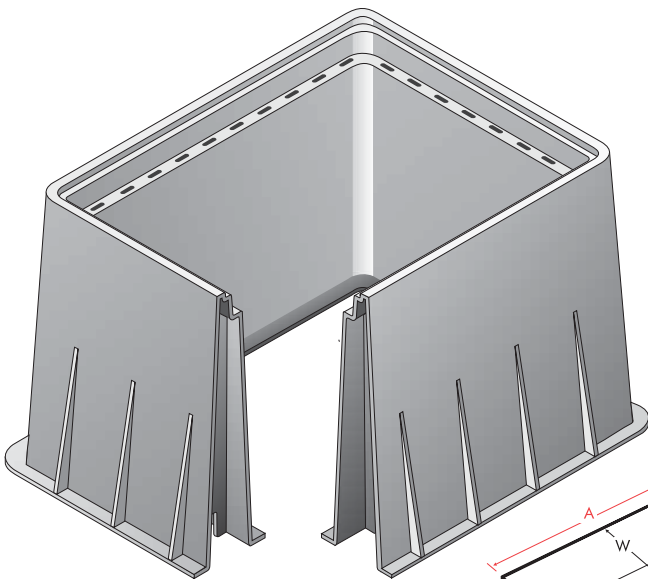
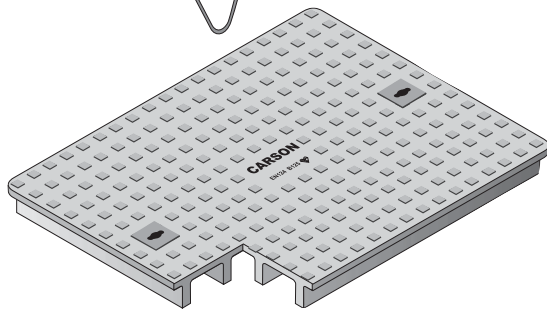
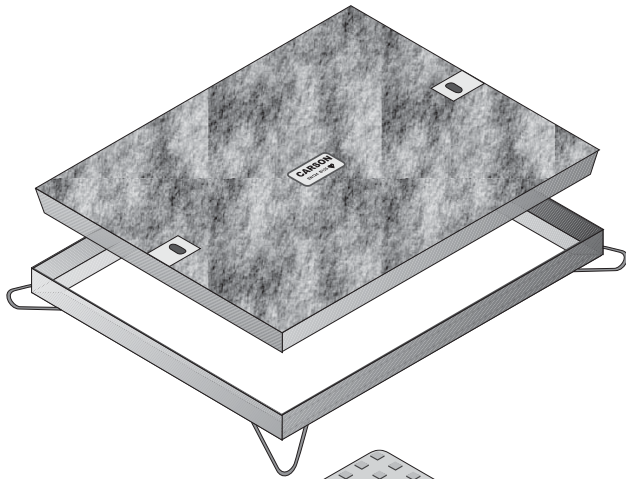




Twinwall Box Series TW1-TW5



Cover Options

See reverse for details of various cover and frame options.

Box Options

Product **Twinwall Chamber TW1/2**

Dimensions:

Inside	Outside	
L/W 560/260	A/B 640/340	D 365
X/Y 540/240	E/F 700/400	

Product **Twinwall Chamber TW1/ED**

Dimensions:

Inside	Outside	
L/W 560/260	A/B 640/340	D 605
X/Y 575/210	E/F 770/470	

Product **Twinwall Chamber TW2**

Dimensions:

Inside	Outside	
L/W 600/450	A/B 710/560	D 500
X/Y 570/420	E/F 800/645	

Product **Twinwall Chamber TW3**

Dimensions:

Inside	Outside	
L/W 600/450	A/B 710/560	D 700
X/Y 555/405	E/F 825/675	

Product **Twinwall Chamber TW4**

Dimensions:

Inside	Outside	
L/W 750/600	A/B 860/710	D 500
X/Y 715/565	E/F 950/800	

Product **Twinwall Chamber TW5**

Dimensions:

Inside	Outside	
L/W 750/600	A/B 860/710	D 700
X/Y 705/555	E/F 975/825	

Bottom Plates/Floors

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

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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Twinwall Box Series TW1-TW5

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

TW1/2, 1/ED: Meets the loading requirements of EN124 Class B125 i.e. 125kN (~12.5T) test load when tested in free standing load tests – independent of backfill. Suitable for areas accessible to all slow moving traffic.

TW2-5: Meets the loading requirements of EN124 Class C250 i.e. 250kN (~25T) test load when tested in free standing load tests – independent of backfill. Can be used close to fast moving traffic.

Strength

The unique, patented design enables Twinwall chambers to offer unparalleled strength – 125kN and 250kN vertical strength, completely independent of backfill:

- Excellent sideload strength
- Smooth walls for reliable backfill compaction

The immense strength of these chambers derives from the very efficient use of material. Carson use:

- double wall technology
- structural foam moulding, to create four loadbearing surfaces.

Cover and Frame Options

- Drop in Ductile Cover
- Concrete Infill Cover & Galvanised Steel Frame (EN124 Class B125)
- Ductile Iron Cover & Ductile Iron Frame

Other options available on request.

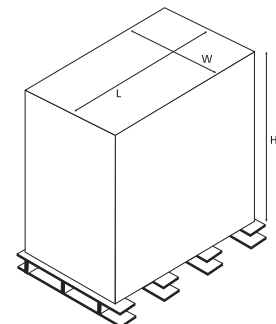
Base Options

- 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.

Standard Shipping Configuration

	TW1/2	TW1/ED	TW2	TW3	TW4	TW5
#/pallet	28		10	6	5	3
L	1400		1295	1295	965	965
W	800		815	815	825	825
H	2515		2440	2440	2440	2440

(The configuration shown can change to optimise transport utilisation.)



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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