





Electric Utility Applications

The Right Enclosure • The Right Location • The Right Application




HDPE plastic enclosures are easy to install and provide strong, durable, chemical, and water resistant performance.
Load Categories:  Pedestrian




The R-Series is an extremely economical, high compression strength concrete material, which prevents lid and body chipping or cracking with a patented protective polypropylene ring guard on the lid and body.
Load Categories:  Pedestrian





Carson Hybrids are specially designed to interchange various lid materials with a HDPE body to maximize load ratings and interior volume at a great overall installed value.
Load Categories:  Non Deliberate Vehicular Traffic





Fibrelyte is a proprietary composite material designed to be lightweight, highly durable, and strong. Fibrelyte will not absorb moisture and degrade when holes are drilled through.
Load Categories:  Non Deliberate Vehicular Traffic




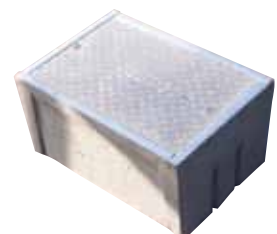
Synertech is engineered to combine the exceptional strength of High Density Polymer Concrete with the lightweight properties of Sheet Molding Compound to produce a tough, durable enclosure. Synertech is the strongest, lightest composite enclosure making it easier and safer to install.
Load Categories:   Non Deliberate Heavy Vehicular Traffic



H-Series Polymer Concrete is produced using a precise dry mix of select aggregate, which is bound with resin and fiberglass fabric. Our new polymer concrete manufacturing process results in enclosures with high flexural and tensile strength, yet lower weight than traditional concrete.
Load Categories:   Non Deliberate Heavy Vehicular Traffic



Christy concrete is reliable and cost effective. With a galvanized steel cover and frame in place, these boxes are traffic rated.
Load Categories:  Deliberate Roadway Traffic





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1



Pedestrian / Greenbelt
Medium Duty
Pad: Polymer Concrete

WUC Guide 2.15
Single Phase
Transformer Pads



2



Pedestrian / Greenbelt
Light Duty
Body: HDPE Plastic
Cover: HDPE Plastic

3000# Vert. Test Load
ASTM 857
Telcordia GR-902



3



Right of Way / Sidewalk
Medium Duty
Body: Fibrelyte
Cover: Fibrelyte

12,000# Vert. Test Load
ANSI/SCTE 77 - 2010
TIER 5, 8



4



Right of Way / Sidewalk
Light Duty
Body: 2" Concrete
Cover: Concrete

Exceeds ASTM C 857
A-0.3 Pedestrian Traffic
Requirements



5



Pedestrian / Greenbelt
Light Duty
Body: HDPE Plastic
Cover: HDPE Plastic

To 3000# Vert. Test Load
ASTM 857
ANSI/SCTE 77 - 2010
Telcordia GR-902



6



Right of Way / Sidewalk
Heavy Duty
Body: Polymer
Composite SMC
Ring & Cover: Polymer Concrete

WUC 3.16 Category 3
ANSI/SCTE 77 - 2010
TIER 15, 22



7

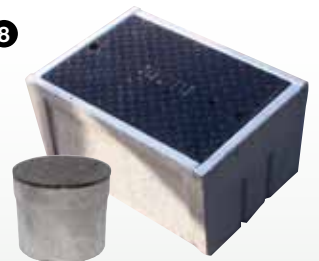


Right of Way / Sidewalk
Heavy Duty
Body: Polymer Concrete
Cover: Polymer Concrete

WUC 3.16 Category 3
ANSI/SCTE 77 - 2010
TIER 15, 22



8



Roadway or Parking Lot
Traffic Rated
Body: 1 3/4" - 3 1/2" Concrete
Cover: 1/2" Steel Checker Plate

ASTM C 857
A-16





Body: HDPE
Cover: HDPE



A. HDPE T-Cover

- Hardware free Drop-N-Lock™ system.
- No nuts or bolts required!

B. HDPE T-Cover

- EZ Lock self cleaning hardware.
- Eliminates seizing bolts.

C. HDPE T-Cover

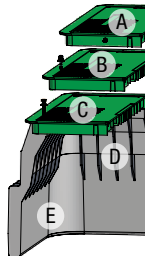
- Standard Hex or Penta head hardware.
- T-cover lid seal prevents material from entering body.

D. Reinforced Sidewall Design

- Number of bridge truss' added to sections as required to maximize strength.
- Eliminates sidewall flex to ensure cover/body integrity. Available loop brace.

E. Flared Side Wall Design

- Maximizes internal volume.
- Up to 40% more work or storage space versus straight wall designs. Accommodates larger cable bend radius. More space for passive and active component placement.



Body: HDPE
Cover: Polymer Concrete (PC) or Steel



H. Polymer Concrete "Ring & Cover"

- Standard Hex, Penta, or Vandal Proof hardware.
- "Hard Top" PC cover design handles non-deliberate tire traffic. Heavy duty PC cover rated for 20,000# vertical load.

I. Diamond Plate Steel T-Covers

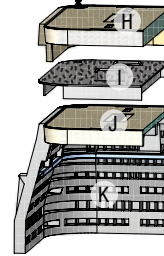
- With standard or padlock anchor hardware.
- Maximum strength and cover durability.

J. Drop-in "Light Weight" Polymer Concrete

- Standard Hex, Penta, or Vandal Proof hardware.
- Light weight polymer concrete for reduced cover weight.
- Meets OSHA lifting standard (<50#) on 1730 and smaller units. Provides 12,000# vertical load rating.

K. HDPE Body

- Provides easy conduit access and component mounting flexibility.
- Uses standard hole saw blade (no diamond tipped carbide blades required). Easily mounted component/slack cable racking hardware.



Body: Concrete
Cover: Concrete



F. R-Series & F-Series Composite Lid

- High performance composite lid with patented reinforced polypropylene ring combined with concrete.
- Prevents chipping, cracking, and ensures cover fit and longevity.
- Features recessed 3/8 or 5/8" Hex, Penta, or Vandal Proof bolts.

G. Pedestrian Rated Concrete Body

- 2" thick rounded corner concrete body with permanently molded polypropylene lid seat cap ring.



Body: Concrete
Cover: Steel



T. Galvanized or Finished Black 1/2" Checker Plate Steel Cover

- Required for AASHTO H20-44 & HS20-44 "TRAFFIC" rated service.
- Features recessed 3/8 x 3/4 Hex head, 3/8 x 1 Hex head.

U. Traffic Rated Concrete Body

- Thick concrete body with galvanized steel lid seat cap ring (ring is permanently molded into concrete body).



Body: Polymer Composite
Cover: Polymer Composite



L. Polymer Composite Cover

- Lightweight, durable Fibrelyte composite material features durable slip resistant cover design.
- Polymer concrete and steel cover options are available.
- Flush style covers are available with S. Steel Hex, Penta, or Vandal Proof hardware

M. Polymer Composite Body

- Light weight, impact resistant, sloped wall body design provides increased internal volume for cabling and component placement.
- Fibrelyte body provides easy conduit access and component mounting flexibility.
- Uses standard hole saw blade (no diamond tipped carbide blades required). Easily mounted component/slack cable racking hardware.



Body: Polymer Composite with PC Ring
Cover: Polymer Concrete (PC)



N. Polymer Concrete (PC) Cover

- Cover weight meets OSHA handling weight up to size 17x30.
- Increased coefficient of friction suitable for location in sidewalks or walkways (.50 per W.U.C. Guide 3.6).
- Covers available with S. Steel Hex, Penta, or Vandal Proof hardware.

O. Polymer Concrete (PC) Ring

- PC cover support ring is fused with SMC body providing a rigid, straight wall, stackable design.
- PC ring and cover are both UV and chemical resistant.

P. Polymer Composite Body

- Straight wall design allows unit stacking for depth adjustment.
- Easy conduit access and component mounting flexibility. USES STANDARD HOLE SAW BLADE (NO DIAMOND TIPPED CARBIDE BLADES REQUIRED).
- Uses standard hole saw blade (no diamond tipped carbide blades required). Easily mounted component/slack cable racking hardware.
- Light weight SMC body reduces units weight for ease of field transportation and installation.



Body: Polymer Concrete (PC)
Cover: Polymer Concrete (PC)



Q. Heavy Duty 1/4" Diamond Plate Steel Cover

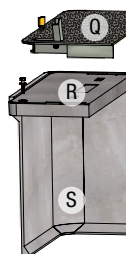
- Standard Hex/Penta cover anchor hardware.
- Custom padlock available on sizes 13"x24" and above.

R. Solid Polymer Concrete Cover

- With Hex, Penta, Coil or Vandal Proof Bolt Anchor hardware.
- Cover rated to multiple industry specifications including SCTE, WUC, and AASHTO.

S. Polymer Concrete Body

- Polymer Concrete units are 30% lighter in weight than similar concrete sizes.
- Polymer Concrete material reduces shipping costs and provides longer product life.
- Polymer Concrete provides strong compressive and flexural strength resulting in a more durable chip and crack resistant unit.
- Polymer Concrete models provide greater protection than concrete for resistance to alkaline, acid, weathering, and other forms of deterioration.










Products are rated by the lowest component rating.

A tier 15 cover with a tier 22 body is rated tier 15.

A tier 22 cover with a tier 22 body is rated tier 22.

$$\begin{array}{ccccc} \text{Cover} & + & \text{Body} & = & \text{Rating} \end{array}$$


Brand	Material	Model	Size (LxW)	Shape	Wall Type	Depths	Design Load	Rating
	HDPE	809	6" Dia	○	Flared ▤	9"	300 lb/ft²	Ped
		910	9" Dia	○		10" 18" 20" 36"		
		1015	10" x 15"	□		6" 12"		
		1419	14" x 19"	□		6" 12" 24"		
		1520	15" x 20"	□		18" 36"		
		1220	12" x 20"	□		6" 12" 18" 24"		
		1324	13" x 24"	□		12" 15" 24" 30"		
		1730	17" x 30"	□		12" 15" 18" 24" 36" 48"		
		2200	12" Dia	○		15" 18" 21" 30" 36"		
		2424	24" x 24"	□		18" 24" 30" 36" 42" 48" *		
		2436	24" x 36"	□		18" 24" 30" 36" 42" 48" *		
		2448	24" x 48"	□		18" 24" 30" 36" 42" 48" *		
		2460	24" x 60"	□		18" 24" 30" 36" 42" 48" *		
		3636	36" x 36"	□		18" 24" 30" 36" 42" 48" *		
		3648	36" x 48"	□		18" 24" 30" 36" 42" 48" *		
		3660	36" x 60"	□		18" 24" 30" 36" 42" 48" *		
	Concrete	N09R	10" x 17"	□	Straight	12" 24" 36" 48" 60"	300 lb/ft²	Ped
		N16R	11" x 22"	□		12" 24" 36" 48" 60"		
		N30R	13" x 24"	□		12" 24" 36" 48" 60"		
		N36R	17" x 30"	□		12" 24" 36" 48" 60"		
		N40	24" x 36"	□		14" 24" 36" 48" 60"		
		N48	30" x 48"	□		14" 24" 36" 48" 60"		
		N52	30" x 60"	□		14" 24" 36" 48" 60"		
		F08	8" Dia	○		12"		
	Hybrid	1324	13" x 24"	□	Flared ▤	15" 18" 30" 36"	8,000 lbf	Tier 8
		1730	17" x 30"	□		12" 15" 18" 24" 36" 48"		
		2424	24" x 24"	□		18" 24" 30" 36" 42" 48" *		
		2436	24" x 36"	□		18" 24" 30" 36" 42" 48" *		
		2448	24" x 48"	□		18" 24" 30" 36" 42" 48" *		
		2460	24" x 60"	□		18" 24" 30" 36" 42" 48" *		
		3636	36" x 36"	□		18" 24" 30" 36" 42" 48" *		
		3648	36" x 48"	□		18" 24" 30" 36" 42" 48" *		
		3660	36" x 60"	□		18" 24" 30" 36" 42" 48" *		
	Composite	FL08	9" Dia	○	Flared ▤	12"	8,000 lbf	Tier 8
		FL09	10" x 15"	□		12" 24"		
		FL12	12" x 20"	□		12" 24"		
		FL30	13" x 24"	□		12" 18" 24"		
		FL36	17" x 30"	□		12" 18" 24"		
	Composite	Duo 11x18	11" x 18"	□	Straight	12" 18" 24" 30" 36"	15,000 lbf	Tier 15
		Duo 12x12	12" x 12"	□		12" 18" 24" 30" 36"		
		Duo 13x24	13" x 24"	□		12" 18" 24" 30" 36" 42"		
		Duo 17x30	17" x 30"	□		12" 18" 24" 30" 36" 42"		
		Duo 24x36	24" x 36"	□		18" 24" 36" 42" 48" 60"	22,500 lbf	Tier 22
		Duo 30x48	30" x 48"	□		18" 24" 36" 42" 48" 60"		
		Duo 36x60	36" x 60"	□		24" 36" 48" 60" 72"		
	Polymer	910	9" Dia	○	Flared ▤	10"	**	Tier
		1118	11" x 18"	□	Straight	12" 18" 24"	8,000	15 / 22
		1212	12" x 12"	□		12" 24" 36"	**	T8
		1324	13" x 24"	□		12" 15" 18" 24" 30"	**	T15 / 22
		1324	13" x 24"	□	Flared ▤	18"	15,000 lbf	T15
		1730	17" x 30"	□	Straight	12" 18" 24" 30" 36"	**	T15 / 22
		1730	17" x 30"	□	Flared ▤	18"	15,000 lbf	T15
		2424	24" x 24"	□	Straight	24" 36" 48" 60"	**	Tier
		2436	24" x 36"	□		18" 24" 36" 42"		
		3048	30" x 48"	□		18" 24" 36" 42" 48"		
		3060	36" x 60"	□		24" 30" 36" 48"		
		3636	36" x 36"	□		36" 48" 72" 84" 96"		
		4848	48" x 48"	□		36" 48" 72" 84" 96"		
	Concrete	B1017	10" x 17"	□	Straight	12" 24" 36"	36,400 lbf	N/A
		B1324	13" x 24"	□		12" 24" 36"		
		B1730	17" x 30"	□		12" 24" 36"		
		B2436	24" x 36"	□		12" 24" 36"		
		B3048	30" x 48"	□		12" 24" 36"		

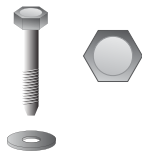
* Models can be increased by 6" to a height you desire. **Tier 15 Design Load: 15,000 lbf Tier 22 Design Load: 22,500 lbf Blue - Stacked Body Units Orange - Extension Units



HARDWARE & SECURITY OPTIONS

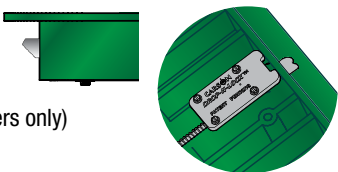
Enclosures come equipped with standard lid fastening hardware (varies per box type). Standard assembly is shown below.





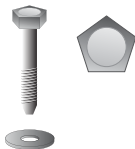
 **STANDARD HEX HEAD:**
3/8 - 1/2 Stainless Steel Hex
Head Bolt with Washer






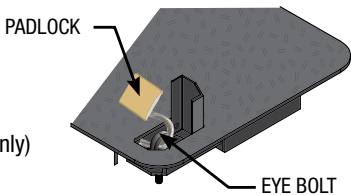
 **DROP-N-LOCK™:**
Automatic locking system
(available on select HDPE covers only)






 **STANDARD PENTA HEAD:**
3/8 - 1/2 Stainless Penta Head
Bolt with Washer



 **PADLOCK & EYE:**
 Eye bolt and padlock
(available on steel covers only)



 **VANDAL PROOF:**
 Oldcastle Enclosures Vandal Proof
bolt with specialty key.



Security Level

Typical Tool



Low

Fingers, Car Key, Pen Knife



Medium

Screwdriver, Hammer, Hacksaw, Pliers



High

Power Tools, Crowbar, Wedge, Hammer

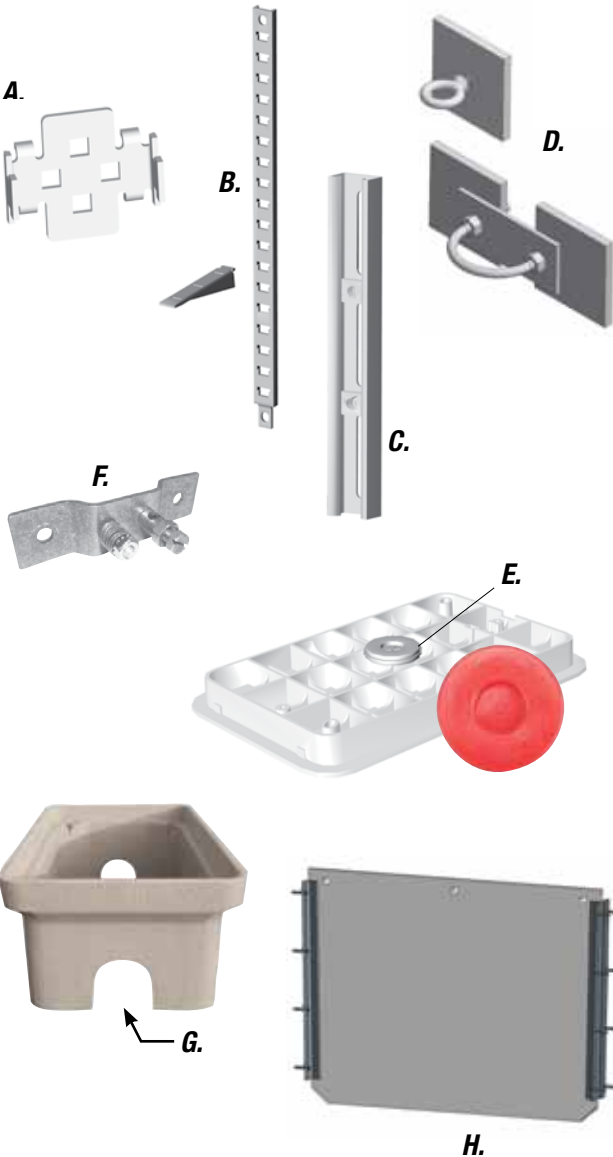


Extreme

Sledge Hammer, Disc Grinder, Bolt Cutter

ENCLOSURE OPTIONS

- A. Rack Mount
- B. Cable Racks/ Cable Arms
- C. Unistrut
- D. Pulling Eye - 1,000 lb. and 3,000 lb
- E. Electronic Marker
- F. Ground Buss
- G. Mouseholes / Circular Holes
- H. Dividers
- I. Solid Bottom (H-Series and Synertech)
- J. Gaskets (H-Series and Synertech)



SPECIALTY MARKET PRODUCTS

OEM Designs



Pedestal Base Vaults



High Security Vaults







Distribution Cabinet Base Vaults & Pads



Non Conductive Traffic and Signal Hybrids



LOAD RATINGS

	Class Vehicle	GVW (lb)	Max Wheel Load (lb)	Design Load	Test Load	Specification	Load Category
Pedestrian/Greenbelt Light Duty 	Pedestrian	-	-	300 lb/ft²	-	ASTM C 857	A-0.3
	Pedestrian	-	-	-	3000 lbf	ANSI/SCTE 77	Light Duty, Pedestrian
	Pedestrian	-	-	850 lb	2200 lb	Telcordia GR-902	Greenway
	Passenger Vehicle	6000	2400	2000 lbf	4340 lbf	WUC, Guide 3.6	Ped.Greenway Category 1
Non-deliberate Traffic Medium Duty 	Light Duty Truck, up to Class 3	14000	5600	5000	7500	ANSI/SCTE 77	Tier 5
				8000	12000		Tier 8
				3900	10400	Telcordia GR-902	Pedestrian/Light Duty Incidental
	Medium Duty Truck, up to class 5	19500	7800	7800	20800	Telcordia GR-902	Non-Continuous Traffic
				8000	17360	ASTM C 857	A-8
	Medium Duty Truck, up to Class 7	33000	13200	8000	17360	WUC, Guide 3.6	Non-Continuous Traffic, Category 2
Non-deliberate Heavy Traffic Heavy Duty 	Heavy Duty Truck, up to Class 8	40000	16000	15000	22500	ANSI/SCTE 77	Tier 15
				16000	34720	ASTM C 857	A-16
				22500	33750	ANSI/SCTE 77	Tier 22
Continuous Roadway Traffic Traffic Rated 	Vehicles up to Class 8	40000	16000	16000	34720	WUC, Guide 3.6	In shoulder or parking area outside traffic lane, Category 3
				16000	45136		A-16

LOAD RATING ARE DETERMINED BY THE LOWEST COMPONENT RATING

Traffic Rated products require steel covers to meet Traffic Rating Standards. Other cover options will meet Heavy Duty Standards.

The Rural Utility Service (RUS) is a department of the US Department of Agriculture organized to facilitate rural developments. You will find Oldcastle Enclosure Solutions brand enclosures listed by the RUS. Please reference brand specific product data sheets for additional clarifications. All Oldcastle Enclosure Solutions brand enclosures conform to the RUS "Tamper Resistant" fastener design for buried pedestals found listed by code and group.

¹ The "Test Load" term is used in ANSI/ SCTE 77-2010 to designate the minimum load that an enclosure must be able to sustain to qualify for a particular performance rating. The term is synonymous with (minimum) Failure Load. It should be noted that within the ANSI/ SCTE 77-2010 specification, the "Test Load is 1.5 x the Design Load. Some specifications and Operating Companies select a higher multiple or Safety Factor for Proof of Design Load.