Tier Rated Underground Enclosures for Driveway / Parking Lot / Off-Roadway Applications

Charles' Tier Rated Underground Enclosures™ (TRUE) are crafted from an advanced composite using a unique molding and gelcoat process, resulting in enclosures that are both lightweight and durable. These enclosures offer superior ease of handling and installation, with a tapered wall design that maximizes usable volume compared to similar polymer concrete models.

TRUE 15 and 22 series provide additional volume and can be stacked for efficient shipping and storage, reducing freight and handling costs significantly. Despite being up to 75% lighter than polymer concrete alternatives, TRUE enclosures maintain a durable gelcoat finish that resists UV damage andhydrolysis.

They are available in Utility Green or Graystone, with customizable colors upon request. Both TRUE 15 and 22 series meet and exceed the SCTE ANSI/SCTE-77 2013 standards for underground enclosure integrity, ensuring reliable performance under specific load conditions.

MARKETS SERVED:

- ■ Telecom / FTTX
- ■ Utility
- ■ Wireless
- ■ Broadband Cable

TRUE

FEATURES

- BEAD/BABAA compliant product
- Designed to meet or exceed ANSI/SCTE-77 Tier 15 ratings (TRUE 15 Series) or Tier 22 ratings (TRUE 22 Series) for various traffic applications
- Structurally rugged, non-metallic advanced composite material construction produces enclosures that are durable, lightweight, easy to install, and resistant to chemicals and water
- Tapered wall sides create maximum usable interior space
- Interior walls can support splice case and other mounting brackets using epoxy adhesive kits
- Deep well bottom edges provide long-term stability in grade level placements
- Units are available in two standard molded-in colors: Utility (Munsell) Green and Graystone, with many other special-order colors available
- Stainless steel hardware, including hex-head or penta head bolts
- Integrated EMS detection available

APPLICATIONS

- Fiber optic, copper and coaxial slack cable coiling and storage
- Access to sealed cases (splice cases, repeaters, load coils, SmartCoils™, etc.)
- Meter boxes / junction boxes
- Irrigation system and other waterway control valves
- Traffic and railway signal controls
- Ground rods

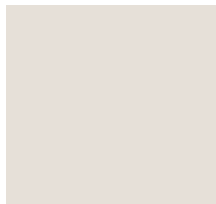| Cover Size	17" x 30"				24" x 36"				30" x 48"				30" x 60"			
Depth	18"	24"	30"	36"	18"	24"	30"	36"	18"	24"	30"	36"	18"	24"	30"	36"
Volume		7.8ft³			9ft³	12ft³	15.1ft³	18.3ft³		20ft³		30.2ft³				20 lbs.
Cover Wgt. (T15)	N/A	26 lbs.	N/A	N/A	50 lbs.	50 lbs.	50 lbs.	50 lbs.	N/A	82 lbs.	N/A	82 lbs.	N/A	N/A	N/A	94 lbs. (47x2)
Base Wgt. (T15)		52 lbs.			44 lbs.	66 lbs.	71 lbs.	79 lbs.		87 lbs.		120 lbs.				161 lbs.
Total Wgt. (T15)		78 lbs.			94 lbs.	116 lbs.	121 lbs.	129 lbs.		169 lbs.		202 lbs.				255 lbs.
Cover Wgt. (T22)		26 lbs.			50 lbs.	50 lbs.	50 lbs.	50 lbs.		82 lbs.		82 lbs.				100 lbs. (50x2)
Base Wgt. (T22)	N/A	58 lbs.	N/A	N/A	48 lbs.	72 lbs.	82 lbs.	89 lbs.	N/A	94 lbs.	N/A	130 lbs.	N/A	N/A	N/A	161 lbs.
Total Wgt. (T22)		84 lbs.			98 lbs.	122 lbs.	132 lbs.	149 lbs.		176 lbs.		212 lbs.				261 lbs.
Pallet Qty.		8/pallet			8/pallet		6/pallet		8/pallet		6/pallet					4/pallet
Split Cover	Not Available				Available				Available				Split Cover Only			

Cover Options

Cover Size	Tier 15	Tier 22	One-Piece Split Cover	Two-Piece Split Cover	6" Sq. Ped Cut-Out	8" Sq. Ped Cut-Out	10" Sq. Ped Cut-Out	12" Sq. Ped Cut-Out
17"x30"	X	X	X					
24"x36"	X	X	X	X	X	X	X	
30"x48"	X	X	X	X	X	X	X	X
30"x60"	X	X		X				

Standard Colors

Utility Green

Graystone

Looking for other BABA compliant products for BEAD funded projects? Please inquire with us for more information.

The TRUE Advantage!

- **Strength and Durability** TRUE 15 Series meets ANSI/SCTE-77 Tier 15 Rated Loadings specifications, TRUE 22 Series meets ANSI/SCTE-77 Tier 22 Rated Loadings specifications

- **Significantly Lighter Weight** Ease of handling and placement, less risk of worker injury
- **Stackability** Lowers transportation cost and reduces storage space in warehouse or garage
- **Mobility** Heavy machinery is not required to move units around at the warehouse or the job-site

- **Space** Comparable or more useable volume under a given industry standard cover size

- **Improved Ergonomics** Covers can be removed with little physical effort, and useable volume is closer to the surface for easier and safer access and retrieval of internal equipment; meets 2010 ADA Standards for Accessible Design

Usable Volume Comparison (Charles Tier 15 Series vs. Competitors)

Amphenol Charles TRUE-15					Competitive Polymer Concrete T-15*				
Cover Size	Depth (in)	Weight (lbs)	Cover Weight (lbs)	Useable Space	Useable Space	Cover Weight (lbs)	Weight (lbs)	Depth (in)	Cover Size
17"x30"	24	78	26	7.8 ft³	5.4 ft³	83	190	24	17"x30"
24"x36"	18	94	50	9.7 ft³	6.4 ft³	115	270	18	24"x36"
24"x36"	24	116	50	12.0 ft³	8.1 ft³	115	310	24	24"x36"
24"x36"	30	134	50	15.4 ft³	11.2 ft³	115	320	30	24"x36"
24"x36"	36	129	50	18.6 ft³	14.4 ft³	115	370	36	24"x36"
30"x48"	24	174	80	20.2 ft³	18.5 ft³	206	444	24	30"x48"
30"x48"	36	212	80	30.2 ft³	24.5 ft³	206	600	36	30"x48"
30"x60"	36	253	94 (47x2)	41.4 ft³	34.9 ft³	346	911	36	30"x60"

*Average findings from competitive offerings of OldCastle® H-Series, Quazite® and NewBasis PC (2013 study).

Optional split lid covers facilitate lid removal, access, and technician safety

Stability flange keeps enclosure firmly planted in ground and level

Recessed bolt locks with multiple stainless steel bolt types

Vault mount pedestal lid cover option accommodates Charles' vault mount square base 6", 8", 10" and 12" diameter pedestals
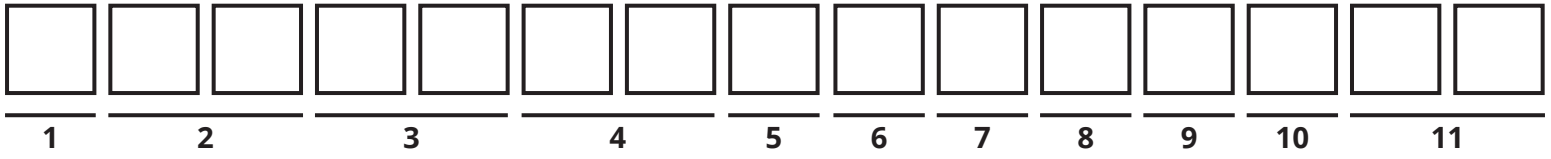

Lift pins aid in safe and quick cover removal

Optional nameplate/ customer ID insets

D-OSP153-I24

TRUE 15 Series and TRUE 22 Series Part # Nomenclature

1	2	3	4	5	6	7	8	9	10	11

1 – Product

C	= C-Series (Tier 15)
T	= T-Series (Tier 22)

2 – Size - Width*

17	= 17 inches
24	= 24 inches
30	= 30 inches

3 – Size - Length*

30	= 30 inches
36	= 36 inches
48	= 48 inches
60	= 60 inches

4 – Size - Depth*

18	= 18 inches
24	= 24 inches
30	= 30 inches
36	= 36 inches
XX	= Cover Only

For #2-#5, see Page 2 "Features and Specifications" for valid size combinations, and "Cover Options" for valid covers per enclosure size.

5 – Type*

A	= Base/1-Piece Cover
S	= Base/2-Piece Split Cover
H	= Base/2-Piece Split Cover with OHC-288/432 cut-out
J	= Base/2-Piece Split Cover with CFITH-144 cut-out
X	= Base/2-Piece Split Cover & 6" Sq. Base Cut-Out
Q	= Base/2-Piece Split Cover & 8" Sq. Base Cut-Out
P	= Base/2-Piece Split Cover & 10" Sq. Base Cut-Out
T	= Base/2-Piece Split Cover & 12" Sq. Base Cut-Out
B	= Base Only
C	= Cover Only

6 – Base Color

E	= Graystone
G	= Green
X	= No Base

7 – Cover Color

E	= Graystone
G	= Utility Green
X	= No Cover

8 – Option

T	= Tapered (std.)
M	= Mouse Hole
X	= No Base
Z	= Custom Configuration

9 – Bolt Type

H	= Hex-head
R	= 7/8" Penta-head
X	= No Hardware

10 – EMS Detection

T	= Telephone
P	= Power
X	= None

11 – Name Plate/Customer ID**

CA	= CATV
CU	= COMMUNICATIONS
EL	= ELECTRIC
FO	= FIBER OPTIC
TE	= TELEPHONE
XX	= Blank (Filler)

***Nameplate codes may not be available on all product types. Nameplates can be molded directly into cover upon request.*

Additional sizes/configurations available per custom order. Please call (847) 806-6300 for sales assistance and additional product information; including availability of custom lid colors, pedestal mount lids, interior mounting brackets and other options and accessories.
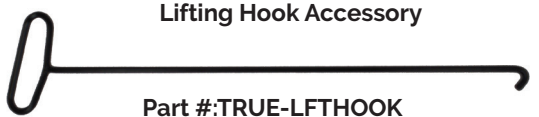
Lifting Hook Accessory

Part #:TRUE-LFTHOOK
Used to safely grab onto lid lift pin for easy cover removal.
31" length, steel construction.