

## Molded Polyethylene Handholes for Telecommunications, Utility, Broadband Cable and Municipality Placements



Charles Below Grade Enclosure (CBGE) are lightweight, molded polyethylene handholes available in eight tapered rectangular and two round sizes. Designed for light duty placements (parkway/greenbelt applications), these sturdy below grade enclosures serve a variety of purposes in telecommunications, wireless, utility, CATV and municipality networks.

Constructed from high-density polyethylene (HDPE), Charles Below Grade Enclosures are built to provide years of maintenance-free service and superior shelter for buried network components. CBGE allow technicians easy handhole access to splice cases, control valves, slack cable, and other equipment at network junctions. Molded-in or applied nameplates offer convenient identification, and several security bolt patterns are available.

### MARKETS SERVED:

- Telecom / FTTX
- Utility
- Wireless
- Broadband Cable



Below Grade Enclosures

### FEATURES

- BEAD/BABAA compliant product
- Structurally rugged, non-metallic molded polyethylene material composition produces enclosures that are durable, lightweight, easy to install, and resistant to chemicals and water
- Tapered sides create maximum usable interior space, and allow both rectangular and round enclosures to be nested for compact shipping and storage
- Deep well bottom edges provide long-term stability in below grade placements
- Variety of drop-in or molded-in nameplates are available, with custom nameplates available via special order
- Multiple molded-in colors available - green, gray, and black
- Skid resistant covers improve safety
- Stainless steel bolts
- Integrated EMS detection available

### APPLICATIONS

CBGE are designed to meet or exceed ANSI/SCTE-77 load rating for light duty (3000 lbs.) to meet the following applications:

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

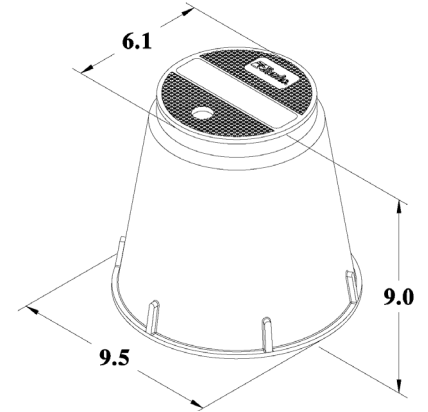
## P060010



**Appx. Dimensions:**  
06"W x 00"L x 10"D

**Cover Weight  
(Overlapping Cover):**  
0.25 lb.  
**Box Weight:**  
1.0 lbs.  
**Assembly Weight:**  
1.25 lbs.

**Pallet Quantity:**  
500  
**Loaded Pallet Weight:**  
675 lbs.



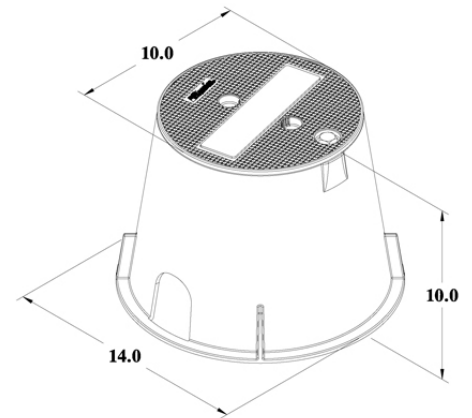
## P100010



**Appx. Dimensions:**  
10"W x 00"L x 10"D

**Cover Weight  
(Overlapping Cover):**  
1 lb.  
**Box Weight:**  
3 lbs.  
**Assembly Weight:**  
4 lbs.

**Pallet Quantity:**  
180  
**Loaded Pallet Weight:**  
770 lbs.



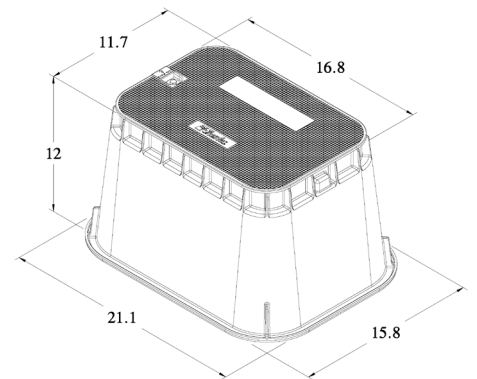
## P141912



**Appx. Dimensions:**  
14"W x 19"L x 12"D

**Cover Weight  
(Overlapping Cover):**  
2 lbs.  
**Box Weight:**  
6 lbs.  
**Assembly Weight:**  
8 lbs.

**Pallet Quantity:**  
78  
**Loaded Pallet Weight:**  
635 lbs.



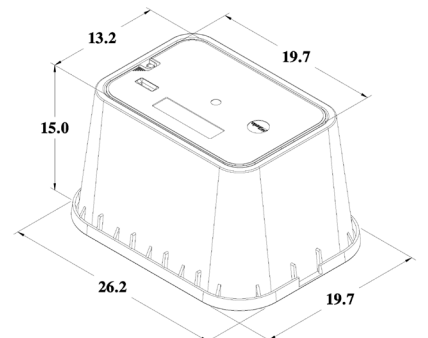
## P142015



**Appx. Dimensions:**  
14"W x 20"L x 15"D

**Cover Weight  
(Overlapping Cover):**  
6 lbs.  
**Box Weight:**  
12 lbs.  
**Assembly Weight:**  
18 lbs.

**Pallet Quantity:**  
100  
**Loaded Pallet Weight:**  
1850 lbs.



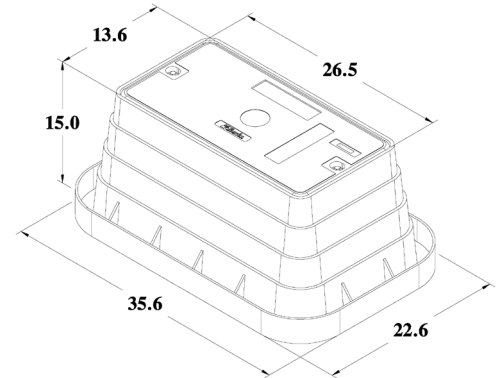
## P132415



**Appx. Dimensions:**  
13"W x 24"L x 15"D

**Cover Weight (Overlapping Cover):**  
5 lbs.  
**Box Weight:**  
19 lbs.  
**Assembly Weight:**  
25 lbs.

**Pallet Quantity:**  
30  
**Loaded Pallet Weight:**  
800 lbs.



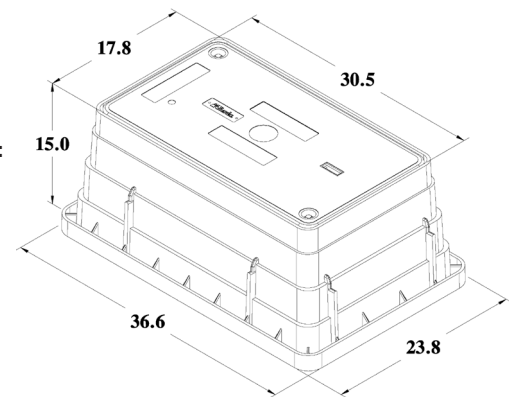
## P173015



**Appx. Dimensions:**  
17"W x 30"L x 15"D

**Cover Weight (Overlapping Cover):**  
11 lb.  
**Box Weight:**  
20 lbs.  
**Assembly Weight:**  
31 lbs.

**Pallet Quantity:**  
20  
**Loaded Pallet Weight:**  
670 lbs.



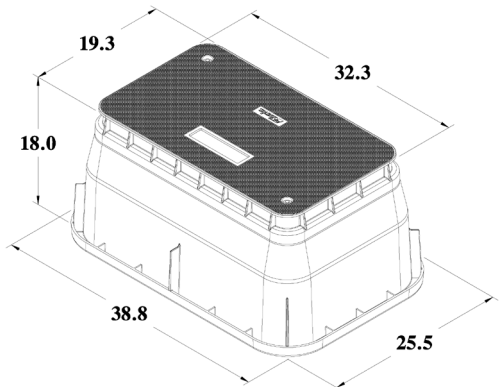
## P173018



**Appx. Dimensions:**  
17"W x 30"L x 18"D

**Cover Weight (Overlapping Cover):**  
11 lbs.  
**Box Weight:**  
21 lbs.  
**Assembly Weight:**  
32 lbs.

**Pallet Quantity:**  
10  
**Loaded Pallet Weight:**  
370 lbs.



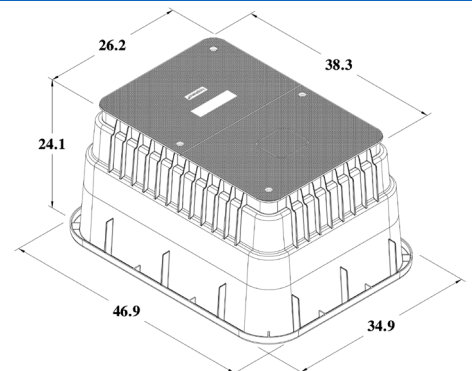
## P243624



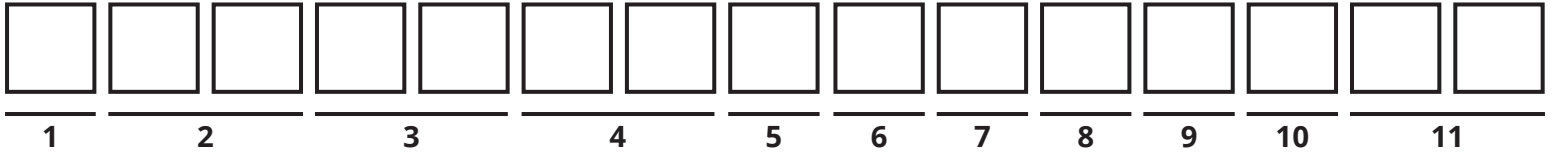
**Appx. Dimensions:**  
24"W x 36"L x 24"D

**Cover Weight (Overlapping Cover):**  
20 lbs.  
**Box Weight:**  
47 lbs.  
**Assembly Weight:**  
67 lbs.

**Pallet Quantity:**  
6  
**Loaded Pallet Weight:**  
402 lbs.



# Charles Below Grade Enclosures Part # Nomenclature



## 1 – Product

P = P-Series

## 2 – Size - Width\*

06 = 6 inches  
 10 = 10 inches  
 13 = 13 inches  
 14 = 14 inches  
 17 = 17 inches  
 24 = 24 inches

## 3 – Size - Length\*

19 = 19 inches  
 20 = 20 inches  
 24 = 24 inches  
 30 = 30 inches  
 36 = 36 inches  
 00 = Round

## 4 – Size - Depth\*

10 = 10 inches  
 12 = 12 inches  
 15 = 15 inches  
 18 = 18 inches  
 24 = 24 inches

\*For #2-#4, see inside pages for 8 valid size combinations

## 5 – Type

A = Base/Cover  
 S\*\*\* = Base/2-Piece Split Cover  
 Y\*\* = Base/2-Piece Split Cover with Pedestal Cut-Out 5.75" x 6.25"

\*\*Y is only available on 17"x30"x18" & 24"x36"x24"  
 \*\*\*S is only available on 24"x36"x24"

## 6 – Base Color\*\*\*\*

B = Black  
 G = Green  
 E = Gray

\*\*\*\*Models with Overlapping Covers are available with Black (B) Base Color option only.

## 7 – Cover Color

G = Green  
 E = Gray

## 8 – Option\*\*\*\*\*

M = Tapered w/Mouse Hole  
 T = Tapered (std.)

\*\*\*\*\*Mouse hole option is only available on 6" and 10" round, and 14"x19"x12" and 14"x20"x15" rectangle sizes.

## 9 – Bolt Type

E = Edison Penta-head  
 H = Hex-head  
 R = REA Penta-head  
 X = None

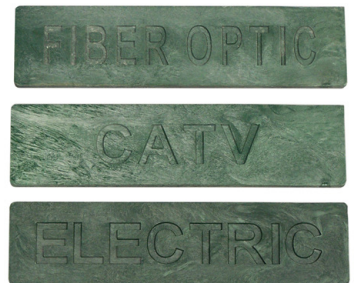
## 10 – EMS Detection

T = Telephone  
 P = Power  
 X = None

## 11 – Name Plate/Customer

CA = CATV  
 CU = COMMUNICATIONS  
 EL = ELECTRIC  
 FO = FIBER OPTIC  
 GA = GAS  
 GD = GROUND  
 LT = LIGHTING  
 PW = POWER  
 TE = TELEPHONE  
 XX = Blank (Filler)  
 -- = Empty

Name Plate Examples:



Charles CBGE are for use in non-vehicular traffic placements only (parkway/greenbelt placements). We do not recommend installation in concrete or asphalt. Dimensions may vary marginally.

Looking for other BABA compliant products for BEAD funded projects? Please call (847) 806-6300 for sales assistance and additional product information, including availability of custom options.

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