

# Charles Plinth Kit

## 97-002116-A

### General Description and Installation

#### 1. GENERAL INTRODUCTION

##### 1.1. Document Purpose

This document provides general information for the 97-002116-A plinth mounting kit for use with the Charles CUBE-RL series of enclosures. Figure 1 shows the plinth. Mounting hardware is not shown. Plinth dimensions are shown in Figure 2.

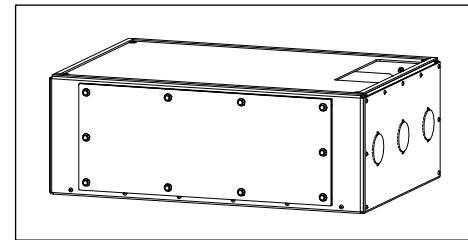


Figure 1 Plinth

-NOTE-

Hereafter, the Charles Universal Broadband Enclosure CUBE-RL series will be referred to as the "CUBE." The 97-002116-A mounting plinth kit will be referred to as the "kit."

#### 2. INSTALLATION

##### 2.1. Obtaining Tools and Equipment

Obtain the following recommended or needed items for installing the kit.

- Protective and/or insulated work gloves
- Safety glasses
- Tape measure
- Marking utensil
- 9/16" wrench
- Four sets of 1/2-13" customer supplied anchor bolts
- Slotted, hex, and Phillips screwdrivers
- Torque wrench
- Can wrench (216 type tool)
- Mounting gasket (included with CUBE)

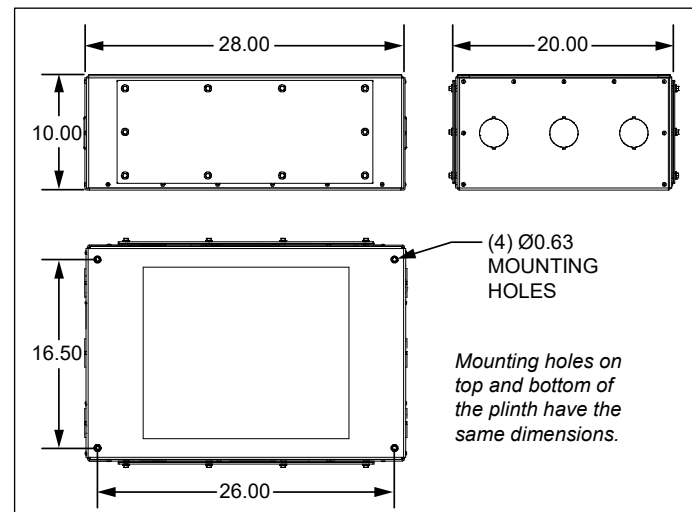


Figure 2 Plinth Dimensions (in inches)

##### 2.2. Mounting the Kit

###### 2.2.1. Torque Requirements

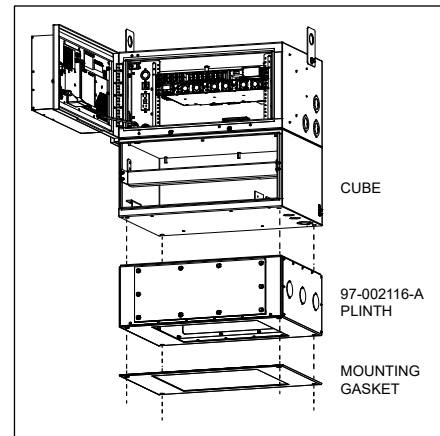
Torque all hardware as shown below (unless otherwise noted). These values apply to SAE Grade 1 & 2 Low Carbon Steel, ASTM A307 Low Carbon Steel, and Stainless Steel Grade 18-8.

Thread Size	In-lbs	Ft-lbs
4-40	4±10%	
6-32	8±10%	
8-32	16±10%	
10-32	26±10%	
12-24	50±10%	
1/4-20/M6	60±5%	5±5%
5/16-18	125±5%	10.4±5%
3/8-16	180±5%	15.0±5%
1/2-13	500±2%	41.7±2%
5/8-11	1000±1%	83.3±1%

**2.2.2. Mounting the CUBE and Kit on a Pad**

Four customer supplied, corrosion resistant, 1/2"-13 hex head bolts with anchors are required for mounting the plinth to the concrete pad. Use the following steps to mount the kit and CUBE.

1. Layout, drill, and set the 1/2" anchors per manufacturer's recommendations. The embedment depth is not to exceed 3.5". Use the gasket as a mounting hole location template.
2. Clean any debris from the concrete pad.
3. Install the gasket by positioning it on the pad so that it is underneath the bottom of the plinth when the plinth is installed. Line up the gasket so that the cutouts are in proper position around the conduit opening and the bolt holes as shown in Figure 3.
4. Place the plinth on the pad, aligning the mounting holes on the bottom of the plinth with the holes in the gasket and the concrete pad. Secure the plinth to the pad using the 1/2"-13 hex head bolts. Tighten all bolts securely.
5. Open the CUBE to allow access to mounting holes.
6. Ensure that the CUBE is parallel to the plinth and pad surfaces as it is placed onto the plinth and that it aligns with the holes on top of the plinth. Dress the cable/conduit so that it aligns with the CUBE openings as it is lowered onto the plinth.
7. Place the CUBE on the plinth. Loosen the slings so that all the weight is on the plinth. Check that the CUBE is properly aligned.
8. Secure the CUBE to the plinth using hardware that ships with the kit.
9. Once the CUBE is secured, remove the slings and tagline. Close the CUBE.



**Figure 3 Gasket Installation**

**3. TECHNICAL ASSISTANCE AND REPAIR SERVICE**

For questions on product repair or if technical assistance is required, contact Charles Technical Support.

847-806-8500  
[techserv@charlesindustries.com](mailto:techserv@charlesindustries.com) (email)  
<http://www.charlesindustries.com/techserv.htm>

**4. WARRANTY & CUSTOMER SERVICE**

Charles Industries LLC offers a one-year warranty on the CUBE product. The Charles warranty is limited to the operation of the CUBE hardware as described in this documentation and does not cover equipment which may be integrated by a third party. The terms and conditions applicable to any specific sale of product shall be defined in the resulting sales contract. For questions on warranty or other customer service assistance, contact your Charles Customer Service Representative.

847-806-6300  
[mktserv@charlesindustries.com](mailto:mktserv@charlesindustries.com) (email)  
[http://www.charlesindustries.com/main/telecom\\_sales\\_support.htm](http://www.charlesindustries.com/main/telecom_sales_support.htm)

**5. SPECIFICATIONS**

Physical	
Dimensions	10"Hx28"Wx20"D
Weight	Approx. 14 lbs. as shipped
Materials	0.125" aluminum
Color	Off-white
Touch-up Paint	02-000290-0
216 Type Security Tool	07-002070-0
Shim Kit for Leveling (Pad Mounting Only)	97-000010-0

**Table 1 CUBE Specifications**