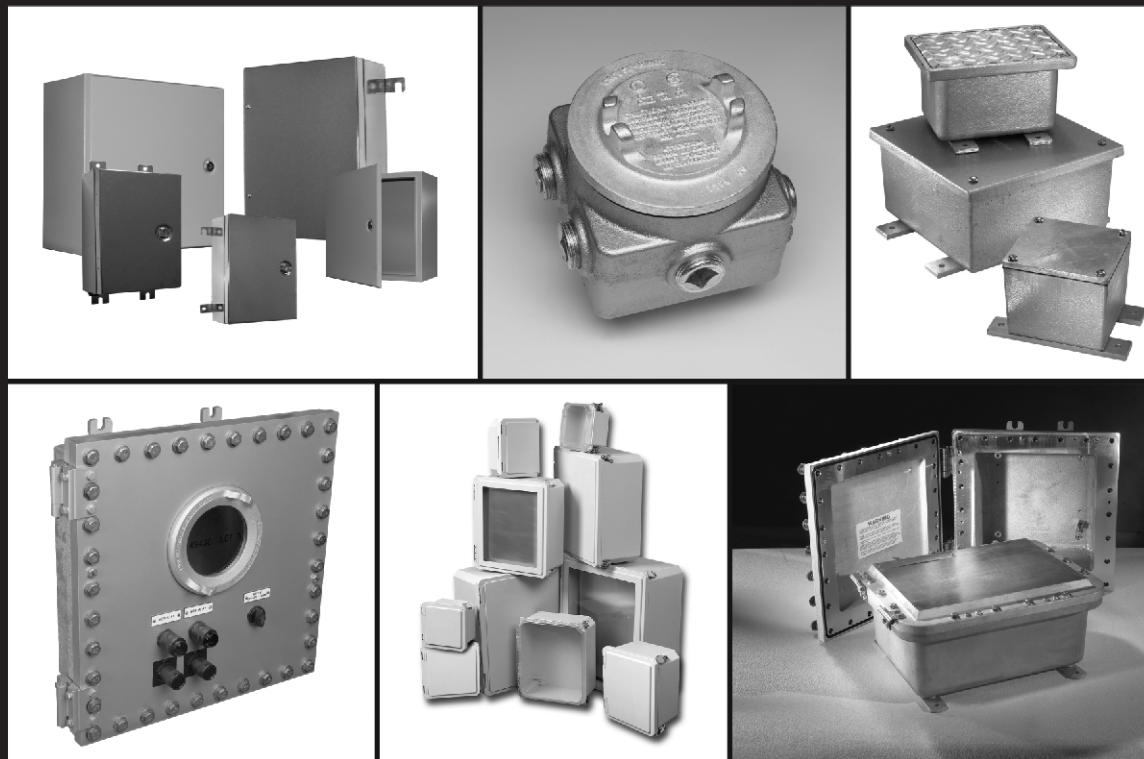


Enclosures

Section E

Enclosures and junction boxes built and configured to meet the requirements of the most demanding hazardous areas and industrial environmental applications across the globe.



New Products in the Enclosures Product Line

- IEC Style GUB Junction Boxes
- GUBA Exd Junction Boxes
- IEC Style EJB/EJW Enclosures
- EJBA Exd Enclosures
- KBX Die Cast Aluminum Enclosures
- PTB/PTC Series Pull Boxes (Pencil Boxes)
- Fiberglass Enclosures

Section

1E
1E
1E
1E
2E
4E
5E

Notable changes to the Enclosures section of this catalog

The Enclosures Product Line is new to the Cooper Crouse-Hinds catalog. In addition to a number of new products, this section consists of products previously found in 6F (Junction Boxes) and the Corrosion Resistant Products Section.

E Enclosures

Table of Contents

Section E of the Cooper Crouse-Hinds Product Catalog lists metallic and nonmetallic enclosures for hazardous and industrial applications. Information on application, features, standard materials, standard finishes, size ranges, compliances, options, and accessories are presented for ease of product selection.

Information relating to product families in Section E is grouped as follows:

Section 1E

Metallic Enclosures

For explosionproof or flameproof hazardous applications

GUE, GUB EIH, EIHT
GUA EGJ
GUP GHG64
EJB

Section 2E

Metallic Enclosures

For increased safety hazardous applications or non-hazardous applications

Ex-CELL
NXT
STB
HVB
KBX

Section 3E

Nonmetallic Enclosures

For Hazardous Applications

GHG74
Kestrel
TBF/TBP

Section 4E

Metallic Enclosures

For Non-hazardous Applications

QBX
PTB/PTC
W-Series
RS, RSM, RSS

Section 5E

Nonmetallic Enclosures

For Non-hazardous Applications

Fiberglass
NJB, NCE, NCS, NCD
NJBW

Section 6E

Enclosure Accessories

Hubs
Grounding Plates
Grounding Bushings
Drains and Breathers
CID 101 Corrosion Inhibitor
LNR Conduit Liner

Explosionproof or Flameproof Hazardous Applications

Description	Page No.
Explosionproof Enclosures	
GUE / GUB Series	see pages 712–715
EJB Series	see page 720
GUA Series	see page 742
GUP Series	see page 743
EGJ Series	see page 744
Flameproof Enclosures	
GUBA Series	see page 749
EJB Series	see page 740
GHG64 Series	see page 741
Instrument Housings	
EIH / EIHT Series	see pages 745–746
GUB Series	see pages 747–748
GUBA Series	see page 749
EMH Series	see page 750

Cl. I, Div. 1 & 2, Groups B, C, D
 Cl. II, Div. 1, Groups E, F, G
 Cl. II, Div. 2, Groups F, G
 Cl. III
 NEMA 4*, 7BCD, 9EFG
 Ex d IIC T6, IP66†
 Ex d IIC, IP66, ATEX certified

Explosionproof
 Dust-Ignitionproof
 Raintight
 Wet Locations
 Watertight

Applications:

GUE, GUB series junction boxes are used in threaded rigid conduit systems in hazardous areas:

- To function as a splice box, pull box or equipment and device enclosure
- To house wiring
- Indoors and outdoors

Features:

- Threaded construction throughout permits use in hazardous areas
- Bodies have thick walls so they can be factory or field drilled and tapped to meet NEC/CEC requirements for Class I hazardous areas
- Covers are provided with a neoprene "O" ring gasket to meet NEMA/EEMAC 4 requirements for a watertight seal§
- Internal grounding lug provides a means to ground enclosed equipment
- Boxes are machined for field installed mounting plates
- GUB boxes are ATEX certified when ordered with Suffix SA ATEX (not available for GU and GUE)

Certifications and Compliances:

- NEC/CEC:
 - Class I, Division 1 & 2, Groups B, C, D
 - Class II, Division 1, Groups E, F, G
 - Class II, Division 2, Groups F, G
 - Class III
- UL Standard: 1203
- CSA Standard: C22.2 No. 30
- ATEX: Ex d IIC, IP66† ATEX Certificate: PTB 01 ATEX 1019 U
- Ex d IIC, IP66, ATEX certified

Standard Materials:

- Bodies – *Feraloy*® iron alloy
- Covers – copper-free aluminum

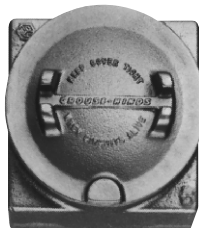
Standard Finishes:

- *Feraloy* iron alloy – GU, GUE, GUB01, GUB02 – electrogalvanized and aluminum acrylic paint. All other boxes – zinc chromate primer and aluminum acrylic paint
- Copper-free aluminum – natural

Options:

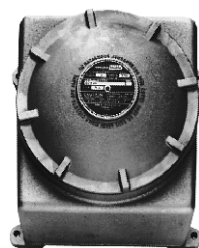
Description	Suffix
• Bodies and covers furnished in copper-free aluminum (not available for GU, GUE, GUB04, or GUB08)	SA
• Copper-free aluminum boxes and covers with ATEX certification (not available for GU, GUE, GUB04, or GUB08)	SA ATEX
• Factory installed mounting plate for relays, terminal blocks, electrical devices, etc	MP
• Factory installed terminal blocks. Information on terminal	

Junction Boxes Without Hubs‡



GU
 4¹⁵/₁₆" x 4¹⁵/₁₆" x 4¹/₈"
 3⁵/₈" cover opening

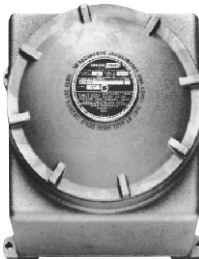
GUE
 5⁵/₁₆" x 5⁵/₁₆" x 5³/₈"
 3⁵/₈" cover opening



GUB01
 6¹/₂" x 7" x 5³/₄"
 5³/₈" cover opening

GUB02
 8" x 10" x 5⁷/₈"
 7" cover opening

GUB06
 8¹/₂" x 10" x 6⁷/₈"
 7" cover opening



GUB03
 11" x 12" x 8¹³/₁₆"
 9⁵/₈" cover opening

GUB01110*
 14" x 18" x 13¹/₂"
 12¹/₄" cover opening

GUB15151
 19" x 21" x 16⁵/₈"
 16³/₄" cover opening



GUB04
 11" x 12" x 8¹¹/₁₆"
 9⁵/₈" cover opening

GUB08
 8¹/₂" x 10" x 6¹³/₁₆"
 7" cover opening

Ordering Information:

Junction boxes listed can be furnished with drilled and tapped conduit openings, subject to the limitations of maximum opening, number and spacing shown in Tables 1, 2 and 4.

To Order:

Step 1

Select the box required from photos at left and dimensional drawings on next page.

Step 2

Select standard conduit arrangement from Table 1.

Step 3

Determine maximum size conduit opening required from Table 2 (consider conduit opening spacing from Table 4).

Step 4

Select appropriate symbol for required drilled and tapped holes from Table 3.

Example:

Step 1 – box required GUB06
 Step 2 – arrangement 108
 Step 3 – openings – 1¹/₂" at "a" and "c"; 1" at "b" and "d".
 Step 4 – symbols are substituted and written in **clockwise order starting with location "a"**. For this example: FCFC Complete Cat. No. is made up of three parts: Part 1 – box number; Part 2 – arrangement number; Part 3 – symbols for conduit openings. For this example: GUB06-108-FCFC. When no opening is required at a particular location, use symbol "0" (zero).

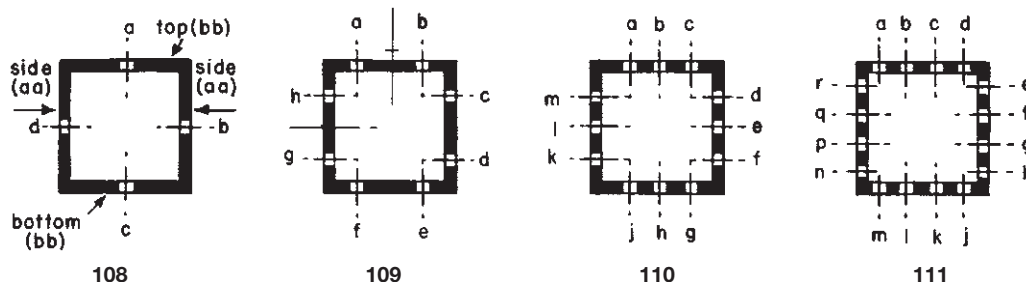
If none of the standard arrangements meet requirements, send a sketch showing junction box number with size and location of each opening desired.

For conduit liner ordering information, see page 850.
 * NEMA 4 not available on GUB01110 and GUB15151.
 † Order suffix SA ATEX. GUB01110 and GUB15151 are rated IP54.
 ‡ Dimensions provided are external.
 § GUB01110 listed for Class I, Div. 1, Groups C & D only in Canada (CSA).

Ordering Information

Table 1

Arrangements of Drilled and Tapped Conduit Openings – For other arrangements, send sketch and complete description



Conduit opening arrangements shown in the illustration should meet the majority of requirements. These GUB junction boxes will be supplied with drilled and tapped openings up to the maximum size and number shown in Table 2.

Table 2

Maximum Size & No. of Drilled & Tapped Holes

Cat. #	Top & Bottom (bb)†				Each Side (aa)†				Back‡			
	1	2	3	4	1	2	3	4	1	2	3	4
Group D*												
GU	1	1			1	1			3	1	3/4	3/4
GUE	2	1			2	1			2	1	3/4	3/4
GUB01	2	1 1/2	3/4		2	1 1/2	1	1/2	1	3/4	3/4	3/4
GUB02	2	2	1	3/4	2	2	1 1/2	1	3/4	3/4	3/4	3/4
GUB06	2	2	1	3/4	2	2	1 1/2	1	2	2	2	2
GUB08	2	2	1	3/4	2	2	1 1/2	1	2	2	2	2
GUB03	2	2	1 1/2	1	2	2	2	1 1/4	4	4	3 1/2	3
GUB04	2	2	1 1/2	1	2	2	2	1 1/4	4	4	3 1/2	3
GUB01110	2	2	2	1 1/2	2	2	2	2	6	6	4	3 1/2
GUB15151	5	4	3 1/2	2 1/2	5	4	4	3	6	6	6	6
Group C▲												
GU	1	1			1	1			3	1	3/4	3/4
GUE	2	1			2	1			2	1	3/4	3/4
GUB01	2	1 1/4	1/2		2	1 1/4	1/2		3/4	3/4	3/4	3/4
GUB02	2	1 1/2	3/4		2	2	1 1/4	1/2	3/4	3/4	3/4	3/4
GUB06	2	1 1/2	3/4		2	2	1 1/4	1/2	2	2	2	1 1/2
GUB08	2	1 1/2	3/4		2	2	1 1/4	1/2	2	2	2	1 1/2
GUB03	2	2	1 1/4	3/4	2	2	1 1/2	1	4	3 1/2	2 1/2	2 1/2
GUB04	2	2	1 1/4	3/4	2	2	1 1/2	1	4	3 1/2	2 1/2	2 1/2
GUB01110	2	2	2	1 1/4	2	2	2	2	6	6	4	3 1/2
GUB15151	5	4	3	2	5	4	3 1/2	2 1/2	6	6	6	5
Group B■												
GU	1	1			1	1			3	1	3/4	3/4
GUE	2	1			2	1			2	1	3/4	3/4
GUB01	2	1 1/4	1/2		2	1 1/4	1/2		3/4	3/4	3/4	3/4
GUB02	2	1 1/2	3/4		2	2	1 1/4	1/2	3/4	3/4	3/4	3/4
GUB06	2	1 1/2	3/4		2	2	1 1/4	1/2	2	2	2	1 1/2
GUB08	2	1 1/2	3/4		2	2	1 1/4	1/2	2	2	2	1 1/2
GUB03	2	2	1 1/4	3/4	2	2	1 1/2	1	4	3 1/2	2 1/2	2 1/2
GUB04	2	2	1 1/4	3/4	2	2	1 1/2	1	4	3 1/2	2 1/2	2 1/2
GUB01110	2	2	2	1 1/4	2	2	2	2	4	4	4	4
GUB15151	4	4	3 1/2	2 1/2	4	4	3 1/2	2 1/2	4	4	4	4

Table 3

Drilled & Tapped Holes

Size	Symbol
1/2	A
3/4	B
1	C
1 1/4	E
1 1/2	F
2	G
2 1/2	H
3	J
3 1/2	K
4	L
none	0

*Group D chart is based on use of staggered unions. If adjacent unions are desired, additional spacing may be necessary.

†Sidewall and top and bottom sizes are based on all openings being in line.

‡Backwall sizes are based on: two per side – diagonal corners; four per side – one in each corner; three per side – triangular pattern with two on adjacent corners on long wall and third in center of opposite long wall.

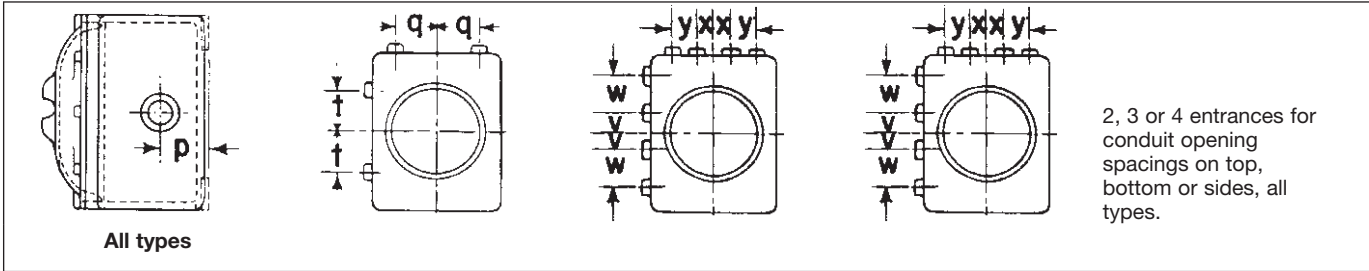
▲ Conduit seals are required within 1 1/2" of all conduit entrances for Class I, Group C hazardous locations.

■ Conduit seals are required within 1 1/2" of all conduit entrances for Class I, Group B hazardous locations.

For conduit liner ordering information, see page 850.

Dimensions

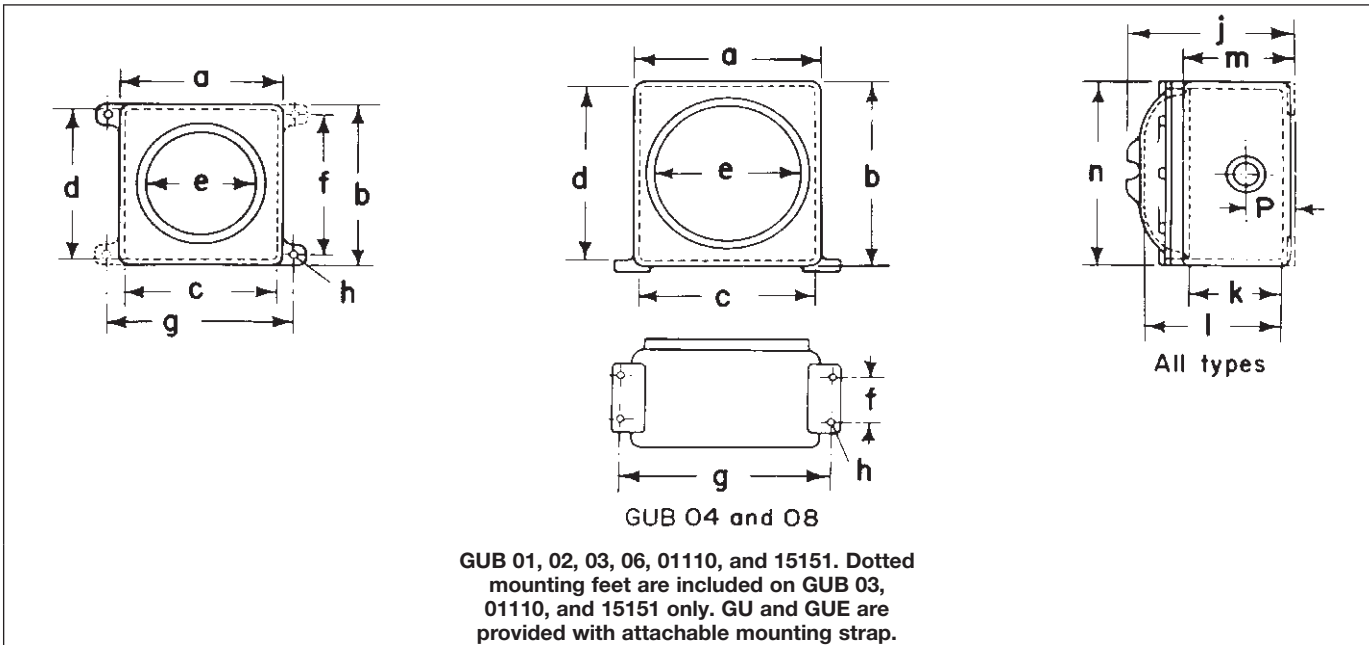
Table 4
Conduit Spacings



2, 3 or 4 entrances for conduit opening spacings on top, bottom or sides, all types.

Type	p	q	r	s	t	v	w	x	y
GU	1 ³ / ₈	1	—	—	1	—	—	—	—
GUE	1 ⁷ / ₈	1 ¹ / ₈	1 ¹ / ₈	—	1 ¹ / ₈	—	—	—	—
GUB01	2 ¹ / ₁₆	1 ⁵ / ₈	2 ¹ / ₈	2 ¹ / ₈	1 ⁵ / ₈	7 ¹ / ₈	1 ³ / ₄	2 ⁵ / ₃₂	1 ⁹ / ₁₆
GUB02	2 ¹ / ₁₆	1 ²¹ / ₃₂	2 ¹ / ₁₆	2 ⁵ / ₁₆	1 ²¹ / ₃₂	1 ¹ / ₃₂	2 ¹ / ₁₆	7 ¹ / ₈	1 ³ / ₄
GUB06	2 ¹ / ₁₆	1 ²¹ / ₃₂	2 ⁵ / ₁₆	2 ⁵ / ₁₆	1 ²¹ / ₃₂	1 ¹ / ₃₂	2 ¹ / ₁₆	7 ¹ / ₈	1 ³ / ₄
GUB08	2 ¹ / ₁₆	1 ²¹ / ₃₂	2 ¹ / ₁₆	2 ¹ / ₁₆	1 ²¹ / ₃₂	1 ¹ / ₃₂	2 ¹ / ₁₆	7 ¹ / ₈	1 ³ / ₄
GUB03	3 ³ / ₈	2 ¹ / ₂	3 ⁵ / ₁₆	3 ⁵ / ₁₆	3	1 ¹ / ₃₂	2 ⁵ / ₁₆	1 ¹ / ₃₂	2 ⁵ / ₁₆
GUB04	3 ³ / ₈	1 ²¹ / ₃₂	3 ⁵ / ₁₆	3 ⁵ / ₁₆	3	1 ⁵ / ₃₂	2 ⁵ / ₁₆	1 ¹ / ₃₂	2 ⁵ / ₁₆
GUB01110	4 ³ / ₄	3	4	6	4	2	4	1 ²¹ / ₃₂	3 ⁵ / ₁₆
GUB15151	6	4	5 ¹ / ₄	5 ⁷ / ₈	4	2	4	2	4

Dimensions
In Inches:



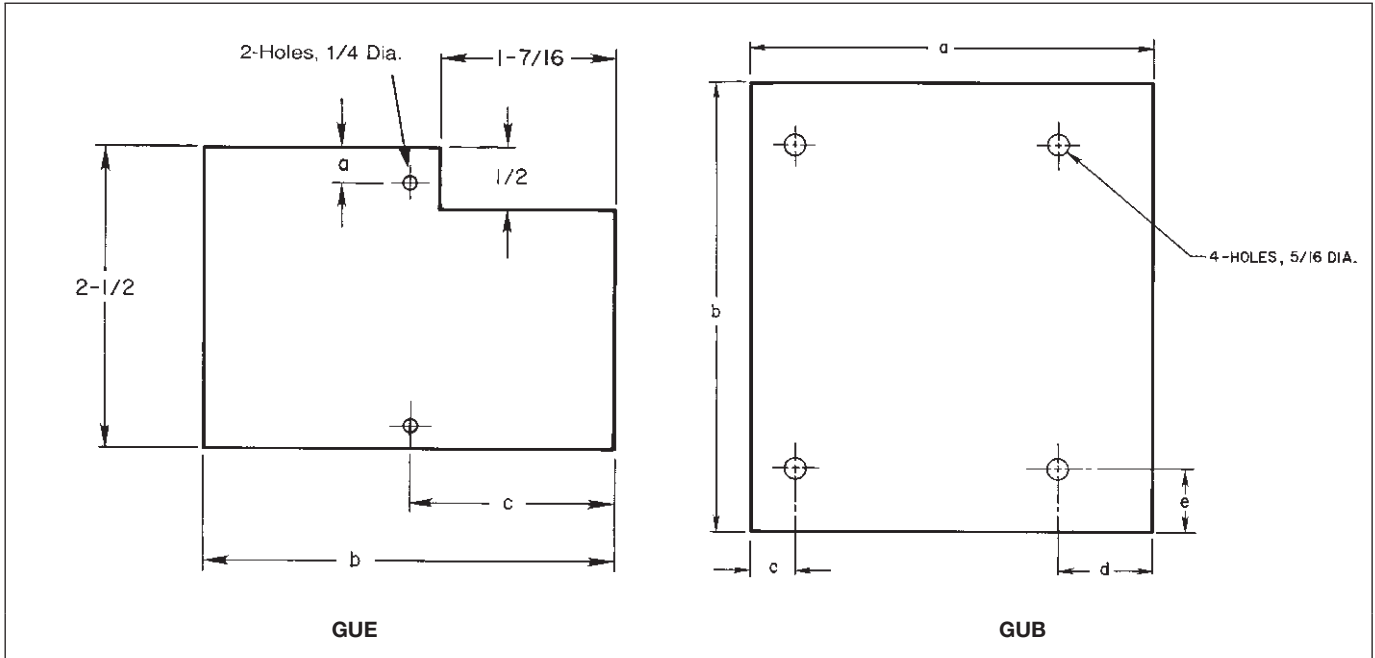
GUB 01, 02, 03, 06, 01110, and 15151. Dotted mounting feet are included on GUB 03, 01110, and 15151 only. GU and GUE are provided with attachable mounting strap.

Type	a	b	c‡	d‡	e	f	g	h	j	k‡	l‡	m	n
GU	4 ¹⁵ / ₁₆	4 ¹⁵ / ₁₆	3 ¹³ / ₁₆	3 ¹³ / ₁₆	3 ⁵ / ₈	—	—	—	4 ¹ / ₈	1 ⁹ / ₁₆	3 ⁷ / ₁₆	2 ³ / ₈	4 ¹ / ₈
GUE	5 ⁵ / ₁₆	5 ⁵ / ₁₆	4 ³ / ₁₆	4 ³ / ₁₆	3 ³ / ₈	—	—	—	5 ³ / ₈	2 ¹ / ₄	3 ⁷ / ₁₆	3 ¹ / ₂	4 ¹ / ₈
GUB01	6 ¹ / ₂	7	6 ¹ / ₂	5 ⁷ / ₈	5 ³ / ₈	5 ³ / ₄	7 ¹ / ₂	1 ³ / ₃₂	5 ³ / ₄	3 ⁷ / ₁₆	4 ¹ / ₂	4 ¹ / ₁₆	6 ¹ / ₄
GUB02	8	10	7 ¹ / ₈	9 ¹ / ₈	7	8 ³ / ₄	9	1 ³ / ₃₂	5 ⁷ / ₈	3	4 ⁵ / ₈	4 ¹ / ₁₆	7 ³ / ₄
GUB06	8 ¹ / ₂	10	7 ³ / ₈	8 ³ / ₈	7	8 ³ / ₄	9 ¹ / ₂	7 ¹ / ₁₆	7 ³ / ₈	4 ¹ / ₄	5 ¹³ / ₁₆	5 ¹ / ₄	7 ³ / ₄
GUB08	8 ¹ / ₂	10	7 ³ / ₈	8 ³ / ₈	7	2 ¹ / ₂	9 ⁹ / ₈	7 ¹ / ₁₆	7 ³ / ₈	4 ¹ / ₄	5 ³ / ₁₆	5 ¹ / ₄	7 ³ / ₄
GUB03	11	12	9 ³ / ₄	10 ³ / ₄	9 ⁵ / ₈	10 ³ / ₄	12 ¹ / ₈	7 ¹ / ₁₆	8 ¹³ / ₁₆	5	7 ³ / ₈	6 ⁵ / ₈	11
GUB04	11	12	9 ³ / ₄	10 ³ / ₄	9 ⁵ / ₈	3 ¹ / ₂	12 ¹ / ₈	7 ¹ / ₁₆	8 ¹¹ / ₁₆	5	7 ³ / ₈	6 ¹ / ₂	11
GUB01110	14 ¹ / ₁₆	18 ¹ / ₁₆	13	17	12 ¹ / ₄	16	16	1	13 ¹ / ₂	6 ¹³ / ₁₆	10 ³ / ₄	9 ³ / ₄	14
GUB15151	20 ⁷ / ₈	18 ⁷ / ₈	19 ¹ / ₈	17 ¹ / ₈	16 ³ / ₄	18	21	1	16 ⁵ / ₈	9	13 ³ / ₁₆	11 ³ / ₈	18

‡ Inside dimensions.
For conduit liner ordering information, see page 850

Mounting Plate Dimensions

Table 5
Mounting Plate Dimensions



Box Cat. #	Mounting Plate Kit Cat. #	a	b	c	d	e
GU	GU MPK1	9/32	3 3/8	1 43/64	—	—
GUE	GUE MP K1	9/32	3 3/8	1 43/64	—	—
GUB01	GUB MP01	4 3/8	5	3/8	1	1
GUB02	GUB MP02	5 9/16	6 1/4	5/8	1 5/16	7/8
GUB03	GUB MP03	8	9	15/16	1 5/16	1 1/2
GUB04	GUB MP03	8	9	15/16	1 5/16	1 1/2
GUB06	GUB MP02	5 9/16	6 1/4	5/8	1 5/16	7/8
GUB08	GUB MP02	5 9/16	6 1/4	5/8	1 5/16	7/8
GUB01110	GUB MP01110	8 3/4	12	7/16	1 7/16	1 3/4
GUB15151	GUB MP15151	14	14	1 5/8	1 5/8	1 5/8

For conduit liner ordering information, see page 850

1E

1E Threaded Covers for GUB Junction Boxes

Cl. I, Div. 1 and 2, Groups B‡, C, D
 Cl. II, Div. 1, Groups E, F, G
 Cl. II, Div. 2, Groups F, G
 Cl. III
 NEMA 7B‡CD, 9EFG

Explosionproof
 Dust-Ignitionproof
 Raintight
 Wet Locations
 Watertight

Applications:

GUB and EPC threaded covers are used with GUB boxes in control systems in hazardous areas:

- Indoors and outdoors
- In three categories:

Flat – for normal use; furnished with standard GUB boxes

Glass window – to provide visibility of meter indications when used to enclose meters

Domed – for increasing volume of GUB to make it easier to splice and pull large conductors

Features:

- Domed – more suitable for use when splices of heavy conductors are made and enclosed, since the conductors may be pulled in with the ends outside the box. After the splices are made, they do not have to be crowded back into the box
- Glass window – has maximum diameter glass to give best visibility. In selecting, the diameter of the meter face should match or be slightly smaller than window diameter

Certifications and Compliances:

- NEC: UL Standard 1203
 GUB0101, -0102, -0103, -714, -7110, EPC2110, EPC2151
 Class I, Division 1 and 2, Groups B, C, D
 Class II, Division 1, Groups E, F, G
 Class II, Division 2, Groups F, G
 Class III

All other covers:

- Class I, Division 1 and 2, Group D
- Class II, Division 1, Groups E, F, G
- Class II, Division 2, Groups F, G
- Class III

- CEC: CSA Standard C22.2 No. 30
 Class I, Division 1 and 2, Group D
 Class II, Division 1, Groups E, F, G
 Class II, Division 2, Groups F, G
 Class III

GUB covers are suitable for use in hazardous areas only when used with appropriate GUB series enclosures.

Standard Materials:

- Copper-free aluminum

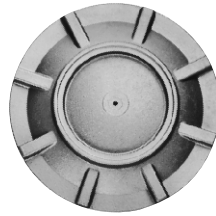
Standard Finishes:

- Natural

† Bodies are grouped by size of cover opening and take any of the covers shown in the group.

‡ Check certifications and compliances for specific hazardous area ratings for each catalog #.

For conduit liner ordering information, see page 850.



GUB flat cover



GUB glass cover



GUB dome cover

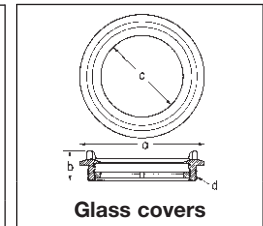
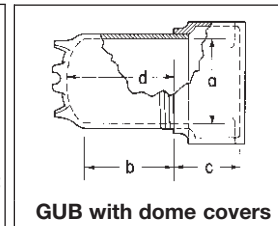
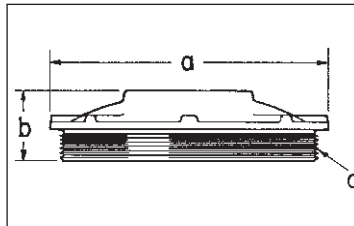
Ordering Information

Body † Size	Flat Cover Cat. #	Glass Window Cover Cat. #	Dome Cover	
			Cat. #	Nominal Depth
GUB01	GUB0101	GUB0110	GUB714 GUB7110	4 10
GUB02 GUB06 GUB08	GUB0102	GUB0108	GUB726	6
GUB03 GUB04	GUB0103	GUB0109	GUB738 GUB7316	10 17
GUB01110	EPC2110		EPC2115	5
GUB15151	EPC2151			

Specify body and conduit openings in normal manner (see page 713) and state Cat. No. of cover required.

Dimensions

In Inches:



Flat Covers

Cat. #	a	b	Thread Size	
			d	
GUB0101	6 ⁵ / ₁₆	1 ²³ / ₃₂	5 ⁵ / ₈	12
GUB0102	7 ¹³ / ₁₆	1 ¹ / ₁₆	7 ¹ / ₈	12
GUB0103	11 ¹ / ₁₆	2 ³ / ₄	9 ³ / ₄	8
EPC2110	12 ⁷ / ₈	5 ⁵ / ₃₂	12.660	8
EPC2151	17	5 ⁵ / ₁₆	16.910	8

Glass Covers

Cat. #	a	b	Window Opening c	Thread Size	
				d	
GUB0110	6 ⁵ / ₁₆	1 ¹³ / ₁₆	3 ⁵ / ₈	5 ⁵ / ₈	12
GUB0108	7 ¹³ / ₁₆	2 ¹ / ₁₆	4 ³ / ₄	7 ¹ / ₈	12
GUB0109	11 ¹ / ₁₆	1 ⁵ / ₁₆	6 ¹³ / ₁₆	9 ³ / ₄	8

Dome Covers

Cat. #	a	b	For Dimensions C				d
			GUB02	GUB06	GUB08	all others	
GUB714	5 ¹ / ₁₆	2 ³ / ₄				4 ³ / ₁₆	4
GUB7110	5 ¹ / ₁₆	9 ¹ / ₈				4 ³ / ₁₆	10 ³ / ₈
GUB726	6 ⁵ / ₈	5 ¹ / ₈	4 ¹ / ₈	5 ¹ / ₈	5 ¹ / ₈		6 ³ / ₄
GUB738	8 ⁷ / ₈	8				6 ⁵ / ₈	10 ¹ / ₂
GUB7316	8 ⁷ / ₈	15 ¹ / ₄				6 ⁵ / ₈	17 ³ / ₈
EPC2115	11 ⁹ / ₁₆	3 ⁹ / ₁₆				8 ¹ / ₂	6 ³ / ₁₆
EPC21116	11 ⁹ / ₁₆	14 ⁹ / ₁₆				8 ¹ / ₂	17 ⁹ / ₁₆

Cl. I, Div. 1 & 2, Groups B†, C, D
 Cl. II, Div. 1, Groups E, F, G
 Cl. II, Div. 2, Groups F, G
 Cl. III
 NEMA 4, 7B†CD, 9EFG

Explosionproof
 Dust-Ignitionproof
 Raintight
 Wet Locations
 Watertight

Applications:

GUB equipment housings are used in threaded rigid conduit systems in hazardous areas:

- To house relays, contactors, terminal blocks or other equipment and devices
- Indoors or outdoors

Features:

- Supplied with dome cover and adjustable mounting position plate which extends into dome cover
- Mounting plate is adjustable. It may be located in center of cover so small devices can be mounted on both sides of plate or toward either side of dome cover when larger devices are mounted on one side of plate (see dimension "P")

Certifications and Compliances:

- NEC:
 - GUB3100, GUB3177
 - Class I, Division 1 & 2, Group D
 - Class II, Division 1, Groups E, F, G
 - Class II, Division 2, Groups F, G
 - Class III
- UL Standard: 1203
- CSA Standard: C22.2 No. 30

Standard Materials:

- Bodies – *Feraloy*® iron alloy
- Covers – copper-free aluminum
- Mounting plates – sheet steel

Standard Finishes:

- *Feraloy* iron alloy – electrogalvanized and aluminum acrylic paint
- Copper-free aluminum – natural
- Sheet steel – zinc plated

Options:

Description

Material – Bodies, copper-free aluminum

Suffix

SA

Other sizes of boxes and covers available. Information on request



GUB with cover removed showing mounting plate.



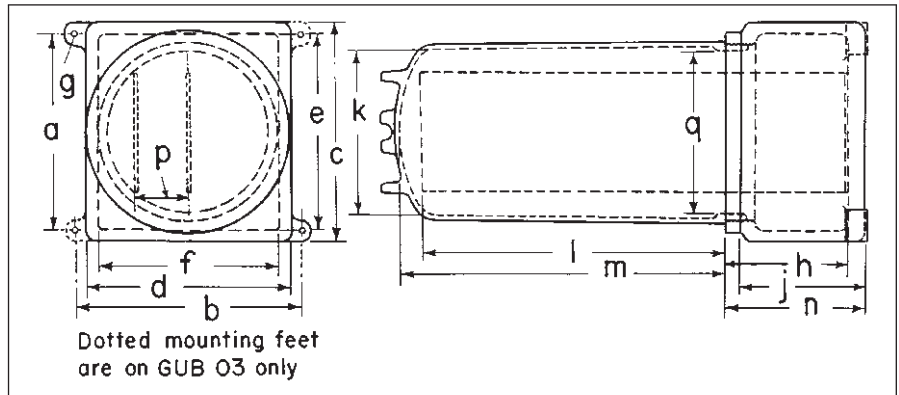
GUB with dome cover.

Ordering Information

Body Size	Nominal Depth of Cover	Dimension		Width of Mounting Plate	Cat. #
		l	m		
GUB01	4	3 ⁵ / ₁₆	4	3 ¹³ / ₁₆	GUB1440 GUB1100
	10	9 ¹³ / ₁₆	10 ⁷ / ₁₆		
GUB03	10	9 ⁹ / ₈	10 ⁷ / ₁₆	6 ¹ / ₂	GUB3100 GUB3177
	17	16 ³ / ₈	17 ³ / ₈		

Conduit seals are required within 1/2" of all conduit entrances for Class I, Division 1, Group B hazardous areas. For other sealing requirements consult the National Electrical Code®/Canadian Electrical Code.

Dimensions In Inches:



Body Size	GUB01	GUB03
a	5 ³ / ₄	10 ³ / ₄
b	7 ¹ / ₂	12 ⁵ / ₈
c	7	12
d	6 ¹ / ₂	11
e	6 ¹ / ₂	10 ³ / ₄
f	5 ⁷ / ₈	9 ³ / ₄
g	1 ¹³ / ₃₂	7 ¹ / ₁₆
h	4 ³ / ₁₆	6 ⁵ / ₈
j	4	6 ⁵ / ₈
k	5	9 ¹ / ₈
l	see listing	
m	see listing	
n	4 ⁷ / ₈	7 ⁵ / ₈
p	1 ¹ / ₂ max	2 ⁷ / ₈ max
q	5 ¹ / ₁₆	8 ⁷ / ₈

For conduit liner ordering information, see page 850.

†Check Certifications and Compliances for specific hazardous area ratings for each catalog #.



Applications:

GUB IEC ATEX Junction Boxes are used in threaded rigid conduit systems in hazardous areas:

- To function as a splice box, pull box, or equipment and device enclosure
- Indoors and outdoors

Features:

- Threaded construction throughout permits use in hazardous areas
- Bodies have thick walls so they can be factory drilled and tapped to meet IEC requirements for Zone 1, 2, 21, and 22 hazardous areas
- Covers are provided with a neoprene "O" ring gasket to meet NEMA 4 / IP66 requirements for a watertight seal
- Internal grounding lug provides a means to ground enclosed equipment
- Ambient temperature range: -20 to +55°C
- Rated voltage: 690V
- Rated max. current: 250A / in bus-bars 150A-10kA

Certifications & Compliances:

ATEX Certificate: LOM 03ATEX3107U (Empty Enclosures)

- Ex II 2GD Ex d IIC
- Ex tD A21 IP67
- EN60079-0:2006
- EN60079-1:2007
- EN60079-11:2007

ATEX Certificate: LOM 04ATEX2018 (Custom Control Panels)

- Ex II 2 GD EEx d IIC T4...T6 IP67
T(°) °C Ta: -20°C / +55°C
- EN60079-0:2006
- EN60079-1:2007
- EN60079-11:2007

Metallic Enclosures*

Marking to 94/9/CE

- Ex II 2 G - EEx d IIC T6 - T4†
- Ex II 2 D - IP67 T‡

EC - Type Examination Certificate

- LOM 03 ATEX 3107U

Degree of Protection

- acc. EN60529

Rated Voltage

- 690V

Max. Rated Current

- 250A / in bus-bars 150A - 10kA

Material

- Light alloy, grey coating

Standard Materials:

- Bodies - aluminum
- Covers - aluminum

Standard Finish:

- Epoxy powder coat finish is standard inside and outside

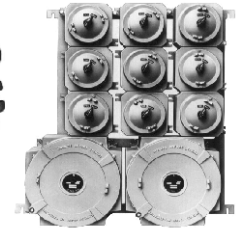
Options:

Description

- Factory installed mounting plate for relays, terminal blocks, electrical devices, etc.
- Factory installed pushbuttons, signal lamps, switchgear, glass windows
- Factory installed terminal blocks



GUB 00



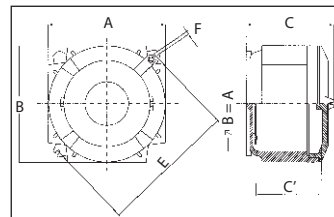
Custom Control Panel

Suffix

- Available upon request (please contact factory)
- Available upon request (please contact factory)
- Available upon request (please contact factory)

Ordering Information:

Type	Dissipated Power			Rated Current Max.	Cat. No.	Kg	Quantity
	T6	T5	T4				
GUB 00	60	85	150W	60A	NOR 000 001 160 116	3.20	1
GUB 20	100	145	255W	150A	NOR 000 001 160 124	6.20	1
GUB 30	140	200	360W	250A	NOR 000 001 160 132	10.20	1



Dimensions

In Millimeters:

Type	External			Internal			Mounting	
	A	B	C	A'	B'	C'	E	F
GUB 00	170	170	135	125	125	74	210	9
GUB 20	215	215	195	175	175	139	250	11

Max. Entries per Face

Type	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"
GUB 00	4	3	2	2	2	-	-
GUB 20	6	5	3	2	2	1	1
GUB 30	10	8	5	3	3	2	2

*These enclosures can provide according to LOM 04 ATEX 2018 certification with the following electrical apparatus: Bus-bars, terminals, low voltage transformers, air circuit breakers, automatic circuit breakers, control and operations circuits, servomotors without ventilation, starters and ballasts for discharge lamps, electronic apparatus, associated SI apparatus, etc., according to customer needs.

†According to the mounted equipment.

‡Available upon request.

Applications:

GUBA series junction boxes are used in threaded rigid conduit and cable systems in hazardous areas:

- To function as a splice box, pull box, or equipment device enclosure
- Indoors and outdoors

Features:

- Threaded construction throughout permits use in hazardous areas
- Wide variety of conduit entry arrangements
- Covers are sealed with "O" ring gasket



Certifications & Compliances:

Type of Protection

- Exd

Degree of Protection

- IP66

Gas Group

- IIC

Approvals

- ANZEx05.3043X

Standard Materials:

- Body and cover - cast copper-free aluminum

Standard Finish:

- Natural

Options:

- Cast iron bodies and covers
- Grey polyurethane finish
- Metric, imperial, NPT, or BSP threads
- Glass window
- Dome covers

Maximum Number of Entries:

Metric	20mm	25mm	32mm	40mm	50mm
Imp. Conduit	3/4"	1"	1 1/4"	1 1/2"	2"
NPT & BSP	1/2"	3/4"	1"	1 1/4"	1 1/2"

Catalog No.

Top & Bottom					
GUBA01	6	5	3	2	1
GUBA02	10	8	4	3	2
Sides					
GUBA01	6	5	-	-	-
GUBA02	8	7	4	3	2
Back					
GUBA01	3	3	-	-	-
GUBA02	4	4	-	-	-

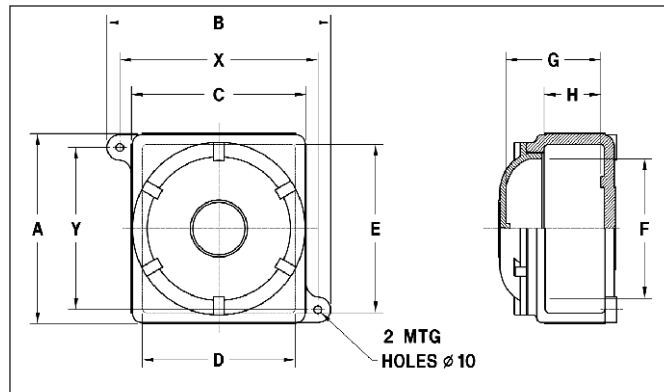
Ordering Information:

Type and Description	Cat. #
Empty enclosure 195mm x 2175mm x 107mm	GUBA01
Flat cover for GUBA01	GUBA0101
Glass window for GUBA01 (gas group IIB only)	GUBA0110
Empty enclosure 253mm x 283mm x 135mm	GUBA02

Note: Entries must be factory drilled, price adder applicable.

Dimensions

In Millimeters:



Dimensional Data:

Cat. #	Internal Dimensions				Weight			
	A	B	C	D	E	F	G	H
GUBA01	195	220	175	146	146	130	107	76
GUAB02	253	298	233	204	224	185	135	76
Cat. #	Mounting Dimensions		No. of Mounting Feet		Weight			
	X	Y			kg			
GUBA01	195	145	2		4.2			
GUAB02	264	216	2		8.1			



Cl. I, Div. 1 and 2, Groups B, C, D Ex d IIB + H₂ T6, IP66
 Cl. II, Div. 1, Groups E, F, G Explosionproof
 Cl. II, Div. 2, Groups F, G Dust-Ignitionproof
 Cl. III Raintight
 NEMA 3, 4, 4X*, 7, 9 Wet Locations

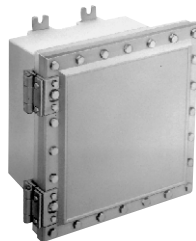
Applications:

EJB junction boxes are used in threaded rigid conduit systems in hazardous areas:

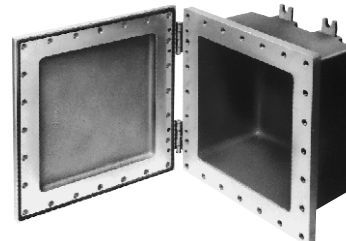
- As a junction or pull box
- To provide enclosures for splices and branch circuit taps
- For housing terminal blocks, relays and other electrical devices
- Indoors or outdoors in damp, wet, dusty, corrosive, hazardous locations
- Where exposure to frequent or heavy rain, water, spray, moisture, and humidity is common, such as: offshore drilling facilities, cooling towers, coal preparation and handling facilities and sewage and waste water treatment plant
- In areas which are hazardous due to the presence of hydrogen or gases and vapors of equivalent hazard such as found in process industries, missile bases and gas manufacturing plants

Features:

- Style C boxes provided with aluminum plate cover as standard, allowing for field addition of cover device holes
- Stainless steel cover bolts (Style C only)
- Ground joint cover opening provides maximum opening for pulling wires or mounting equipment
- Walls of bodies may be drilled and tapped for conduit entries as shown in listings
- Stud bolts in diagonally opposite corners of body aid in aligning cover to body during installation (not furnished with hinged covers)
- All Style C bodies are provided with captive, triple lead, quick release hex head stainless steel bolts with spring loaded action which provides clear indication that cover bolts are fully retracted from the body
- External flange design – wide unobstructed cover opening provides a completely accessible interior for wiring and electrical equipment
- Square corners of enclosure body provide maximum interior space and area for conduit openings
- Internal grounding lug provides a means to ground enclosed equipment
- Special neoprene cover gasket provides a watertight seal to meet NEMA 4 requirements, and provides superior protection for enclosed equipment against water/corrosion
- ATEX certified when ordered with ATEX suffix
- Enclosures are machined for field installed mounting plates
- Detachable mounting feet provide mounting flexibility. No need to replace enclosure if mounting feet are broken.
- Optional stainless steel hinges provide convenient and easy access for inspection, maintenance and systems changes
- Enclosures are machined to accept field installed hinges



EJB121208 with optional hinged cover



EJB121208 with optional hinged cover and standard neoprene cover gasket

Certifications and Complies:

- NEC/CEC
 - Class I, Divisions 1 and 2, Groups B*, C† and D‡
 - Class II, Division 1, Groups E, F and G
 - Class II, Division 2, Groups F and G
 - Class III
 - Class I, Zones 1 and 2
- UL Standard 1203
- cUL to CSA Standard C22.2 No. 30
- ATEX: Ex d IIB + H₂ T6, IP66
ATEX certificate: PTB 01 ATEX 1020 U
- Enclosure Type 3, 3R, 4, 4X*, 7BCD, 9EFG
- IEC Standard EN:60079-0 and EN:60079-1

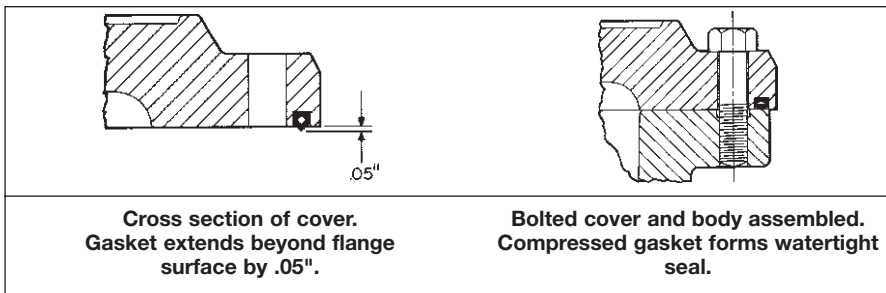
Standard Materials:

- Body and cover – copper-free aluminum (suffix -SA items and all Style C), *Feraloy*® iron alloy (Style D)
- Gasket – neoprene
- Cover bolts – stainless steel (Style C), steel (Style D)
- Hinges – stainless steel

Standard Finishes:

- Copper-free aluminum – natural
- *Feraloy* iron alloy – electrogalvanized and aluminum acrylic paint
- Steel – electrogalvanized
- Extruded aluminum – natural

Gasket Detail



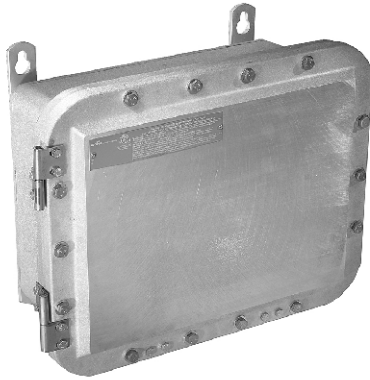
*For Group B, install sealing fitting in each conduit run within 18" of the enclosure. To meet 4X requirement, add suffix S752 or S753.
 †EJB361208, 361808, 362408 and all style D enclosures require sealing fittings within 18" of enclosure for each conduit run for Group C locations.
 ‡Style D enclosures require sealing fittings within 18" of enclosure for each conduit run for Group D locations.
 For conduit liner ordering information, see page 850.

Options:

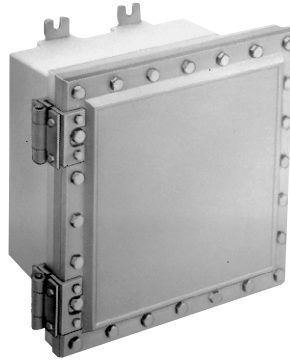
Description	Suffix
• Hinged covers Hinges mounted on left (short side)	S598
Available on all Style C and the following Style D enclosures: EJB101008-SA, EJB120804, EJB120804-SA, EJB120808-SA, and EJB141006-SA Hinge kits for field installation (no field machining required) –	
• EJB100806 through 361208.....	EJB KIT 1 (2 hinges)
• EJB361808	EJB KIT 3 (3 hinges)
• EJB362408	EJB KIT 4 (4 hinges)
• For EJB101008-SA, EJB120804, EJB120804-SA, EJB120808-SA and EJB141006-SA	EJB KIT 5 (2 hinges)
Factory installed mounting plates for relays, terminal blocks, electrical devices, etc. –	
• Aluminum mounting plate kit for field installation (kit includes aluminum mounting plate, pillars and mounting hardware). No field machining required. See Ordering Information on next page	MP
• Factory installed terminal blocks.....	Information on request
• ATEX Certified	ATEX

Cl. I, Div. 1 and 2, Groups B, C, D
 Cl. II, Div. 1, Groups E, F, G
 Cl. II, Div. 2, Groups F, G
 Cl. III
 NEMA 3, 4, 4X*, 7, 9

Ex d IIB + H₂ T6, IP66
 Explosionproof
 Dust-Ignitionproof
 Raintight
 Wet Locations



Style D



Style C – EJB121208* with optional hinged cover

Style D

Nominal Inside Dimensions

Cat. #	Top & Bottom		Depth
	Sides (aa)	(bb)	
Iron			
EJB060404	4	6	4
EJB080604	6	8	4
EJB080606	6	8	6
EJB080806	8	8	6
EJB120804	8	12	4
EJB160404	4	16	4
Aluminum			
EJB060404 SA	4	6	4
EJB080604 SA	6	8	4
EJB080606 SA	6	8	6
EJB080806 SA	8	8	6
EJB120604 SA	6	12	4
EJB120804 SA	8	12	4
EJB120808 SA	8	12	8
EJB160404 SA	4	16	4
EJB101008 SA	10	10	8
EJB141006 SA	10	14	6

Style C

Nominal Inside Dimensions

Cat. #	Top & Bottom		Depth
	Sides (aa)	(bb)	
EJB100806	10	8	6
EJB121204	12	12	4
EJB121206	12	12	6
EJB121208	12	12	8
EJB161606	16	16	6
EJB161608	16	16	8
EJB181206	12	18	6
EJB181208	12	18	8
EJB241208	12	24	8
EJB241210	12	24	10
EJB241808	18	24	8
EJB241810	18	24	10
EJB242408	24	24	8
EJB242410	24	24	10
EJB361208	12	36	8
EJB361808	18	36	8
EJB361810	18	36	10
EJB362408	24	36	8
EJB602212†	60	22	12

†Class I, Div. 1 and 2, Groups C and D only.

Ordering Information:

Junction boxes listed can be furnished with drilled and tapped openings, subject to material required and the limitations of maximum size and number of openings as well as spacing, as shown in Tables 1 and 2.

To Order:

Step 1

Select the box required from photos at left, listings, and dimensional drawings on next pages.

Step 2

Select standard conduit arrangement from Table 1 and maximum size conduit opening required from Table 2.

Step 3

Select appropriate symbol for required drilled and tapped opening from Table 3.

Example:

Step 1 – Box required – EJB080806

Step 2 – Arrangement – 2

Step 3 – Openings – two 1" drilled and tapped holes in top and bottom and two 2" drilled and tapped holes on each side.

Step 4 – Symbols are substituted and written in clockwise order starting with "a." When no opening is required at a particular location, use symbol "0" (zero). For this example: CC, GG, CC, GG.

Complete Cat. No. is made up of three parts: Part 1 – box number; Part 2 – arrangement number; Part 3 – symbols for conduit openings. For this example: EJB080806-2-CC-GG-CC-GG

If none of the standard arrangements meet requirements, send a sketch showing junction box number with size and location of each conduit opening desired.

EJB Mounting Plate Kits

(For Field Installation)

Select kit number that matches junction box number.

Example: EJB-MP1410 is used in EJB141006-SA

Cat. # Style C	Cat. # Style D
EJB MP1008‡	EJB MP0604
EJB MP1212‡	EJB MP0806
EJB MP1616‡	EJB MP0808
EJB MP1812	EJB MP1206
EJB MP2412	EJB MP1208
EJB MP2418	EJB MP1604
EJB MP2424	EJB MP1010
EJB MP3612	EJB MP1410
EJB MP3618	
EJB MP3624	

†Class I, Div. 1 and 2, Groups C and D only.

‡Plate has no center hole.

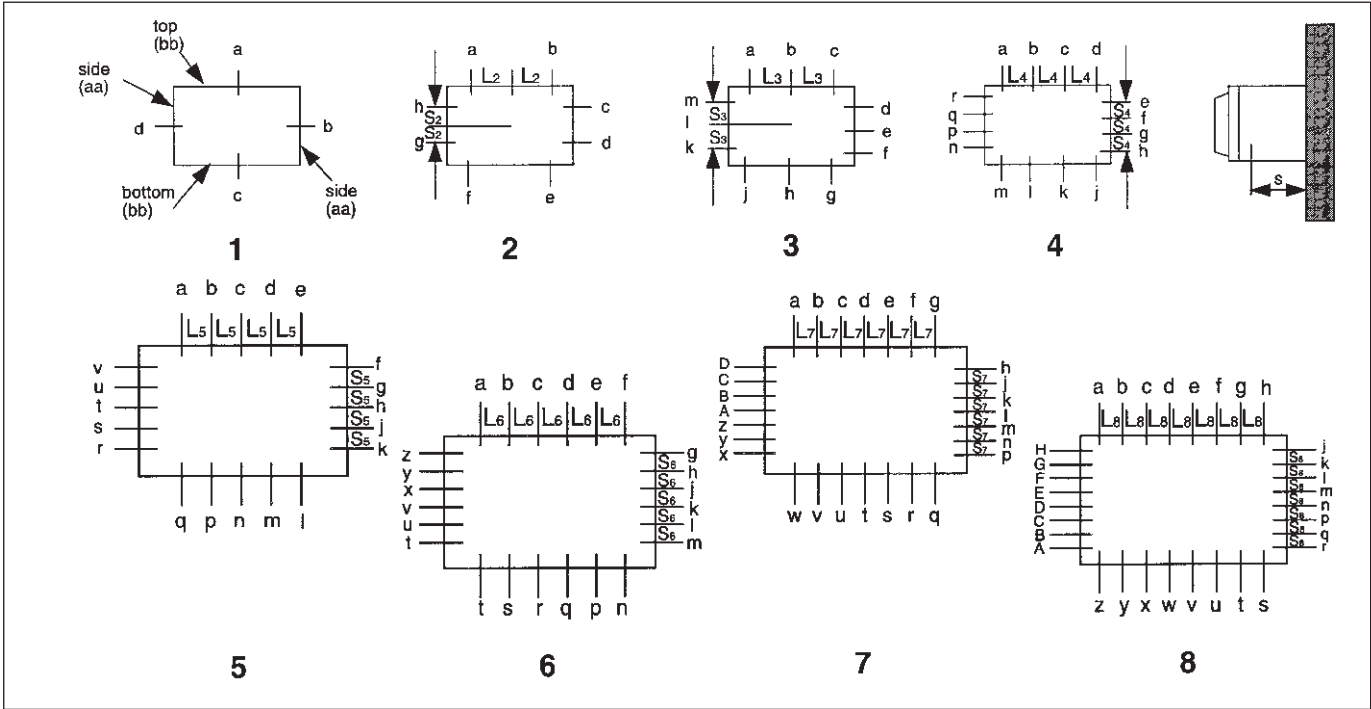
*See Compliances on previous page.

For conduit liner ordering information, see page 850.

1E EJB Junction Boxes

Ordering Information

Table 1
Conduit Arrangement Diagrams



1E

Table 2
Conduit Arrangements – Style D

Maximum Trade Size and Number of Openings

Cat. #	Top and Bottom (bb)*				Sides (aa)				Spacing Dimensions							
	1	2	3	4	1	2	3	4	S	L ₂	S ₂	L ₃	S ₃	L ₄	S ₄	
EJB060404	2	1 ¹ / ₄	1 ¹ / ₂	—	2	1 ¹ / ₂	—	—	2 ⁵ / ₈	1 ⁵ / ₈	1 ¹ / ₁₆	2 ¹ / ₈	—	—	—	
EJB080604	2	2	1	1 ¹ / ₂	2	1 ¹ / ₄	1 ¹ / ₂	—	2 ³ / ₈	2 ¹ / ₈	1 ⁵ / ₈	2 ³ / ₄	2 ¹ / ₈	2 ¹ / ₁₆	—	
EJB080606	3 ¹ / ₂	2	1	1 ¹ / ₂	3 ¹ / ₂	1 ¹ / ₄	1 ¹ / ₂	—	3 ³ / ₄	2 ¹ / ₄	1 ⁵ / ₈	2 ³ / ₄	2 ¹ / ₈	2 ¹ / ₁₆	—	
EJB080806	3 ¹ / ₂	2	1	1 ¹ / ₂	3 ¹ / ₂	2	1	1 ¹ / ₂	3 ³ / ₄	2 ¹ / ₄	2 ¹ / ₄	2 ³ / ₄	2 ³ / ₄	2 ¹ / ₁₆	2 ⁹ / ₁₆	
EJB101008	4	2 ¹ / ₂	1 ¹ / ₂	1	4	2 ¹ / ₂	1 ¹ / ₂	1	4 ³ / ₄	2 ³ / ₄	2 ³ / ₄	3 ⁵ / ₈	3 ⁵ / ₈	2 ⁹ / ₁₆	2 ⁹ / ₁₆	
EJB120604	2	2	2	1 ¹ / ₄	2	1 ¹ / ₂	1 ¹ / ₂	—	2 ¹ / ₄	3	1 ⁵ / ₈	4 ¹ / ₈	2 ¹ / ₈	3 ¹ / ₈	—	
EJB120804	2	2	2	1 ¹ / ₄	2	2	1	1 ¹ / ₂	2 ¹ / ₈	3	2 ¹ / ₄	4 ¹ / ₈	2 ³ / ₄	3 ¹ / ₁₆	2 ¹ / ₁₆	
EJB120808	4	4	2	1 ¹ / ₄	4	2	1	1 ¹ / ₂	4 ¹ / ₄	3 ¹ / ₄	2 ¹ / ₄	4 ¹ / ₈	2 ³ / ₄	3 ¹ / ₁₆	2 ¹ / ₁₆	
EJB141006	3 ¹ / ₂	3 ¹ / ₂	2 ¹ / ₂	1 ¹ / ₂	3 ¹ / ₂	2 ¹ / ₂	1 ¹ / ₂	1	3 ¹ / ₈	3 ³ / ₄	2 ³ / ₄	5	3 ³ / ₁₆	3 ³ / ₈	2 ⁹ / ₁₆	
EJB160404	2	2	2	2	2	1 ¹ / ₂	—	—	2 ⁵ / ₈	3	1 ¹ / ₁₆	6	—	4 ¹ / ₈	—	

*Top and bottom are longer dimensions on enclosures which are not square.

Conduit seals are required in all conduit entrances for Class 1, Division 1, Group B hazardous areas, and for EJB361208, EJB361808, EJB361810, EJB362408, and all Style D enclosures when used in Class 1, Division 1, Group C hazardous areas. For other sealing requirements, consult the National Electrical Code*. Where standard arrangements are not adequate, special drilling and tapping can be ordered, or instructions can be provided for field drilling and tapping. Breathers and drains must be ordered separately. Maximum trade size for Group B application is 4".

Ordering Information

Table 2 - Continued
Conduit Arrangements - Style C Drilled and Tapped Openings – Groups B‡, C and D

Cat. #	Maximum Trade Size and Number of Openings								Sides (aa)							
	Top and Bottom (bb)*								1	2	3	4	5	6	7	8
EJB100806	3½	3	1½	1¼	—	—	—	—	3½	2½	1½	1¼	—	—	—	—
EJB121204	1½	1½	1½	1¼	1	¾	½	—	1½	1½	1½	1¼	1	¾	½	—
EJB121206	3½	3½	1½	1¼	1	¾	½	—	3½	3½	1½	1¼	1	¾	½	—
EJB121208	5	3½	1½	1¼	1	¾	½	—	5	3½	1½	1¼	1	¾	½	—
EJB161606	3½	3½	2½	2	1½	1¼	1	¾	3½	3½	2½	2	1½	1¼	1	¾
EJB161608	5	5	3	2	1½	1¼	1	¾	5	5	3	2	1½	1¼	1	¾
EJB181206	3½	3½	3½	2½	1½	1½	1	¾	3½	3½	1½	1¼	1	¾	½	—
EJB181208	5	5	3½	2½	2	1½	1	1	5	3½	1½	1¼	1	¾	½	—
EJB241208	5	5	5	3½	3	2½	2	1½	5	3½	1½	1¼	1	1	½	—
EJB241210	6	6	5	3½	3	2½	2	1½	6	3½	1½	1¼	1	1	½	—
EJB241808	5	5	5	3½	3	2½	2	1½	5	5	3½	2½	2	1½	1¼	1
EJB241810	6	6	5	3½	3	2½	2	1½	6	6	3½	2½	2	1½	1¼	1
EJB242408	5	5	5	3½	3	2½	2	1½	5	5	5	3½	3	2½	2	1½
EJB242410	6	6	5	3½	3	2½	2	1½	6	6	5	3½	3	2½	2	1½
EJB361208	5	5	5	5	4	4	3½	2½	5	3½	1½	1¼	1	¾	½	—
EJB361808	5	5	5	5	4	4	3½	2½	5	5	3½	2½	2	1½	1¼	1
EJB361810	6	6	5	5	4	4	3½	2½	6	6	3½	2½	2	1½	1¼	1
EJB362408	5	5	5	5	4	4	3½	2½	5	5	5	3½	3	2½	2	1½

Spacing Dimensions†

Cat. #	S	L2	S2	L3	S3	L4	S4	L5	S5	L6	S6	L7	S7	L8	S8
EJB100806	3⅞	2¾	1⅞	3	2⅞	2¼	1¾	—	—	—	—	—	—	—	—
EJB121204	3	2¼	2¼	3⅞	3⅞	3⅞	3⅞	2	2	1¾	1¾	1½	1½	—	—
EJB121206	3¼	3	3	3⅞	3⅞	3⅞	3⅞	2	2	1¾	1¾	1½	1½	—	—
EJB121208	4¾	3	3	3⅞	3⅞	3⅞	3⅞	2	2	1¾	1¾	1½	1½	—	—
EJB161606	3¼	3	3	4⅞	4⅞	4⅞	4⅞	2¾	2¾	2½	2½	2	2	1¾	1¾
EJB161608	4¾	3¼	3¼	4⅞	4⅞	4⅞	4⅞	2¾	2¾	2½	2½	2	2	1¾	1¾
EJB181206	3¼	3	3	6	3⅞	4⅞	3⅞	2¾	2	2¼	1¾	2	1½	1¾	—
EJB181208	4¾	4⅞	3	6	3⅞	4⅞	3⅞	3¼	2	2¾	1¾	2	1½	2	—
EJB241208	5⅞	4⅞	3	8⅞	3⅞	6	3⅞	4⅞	2	3⅞	2	3¼	1½	2¾	—
EJB241210	6⅞	4¾	3	8⅞	3⅞	6	3⅞	4⅞	2	3⅞	2	3¼	1½	2¾	—
EJB241808	5¼	4⅞	4⅞	8⅞	6	6	4⅞	4⅞	3¼	3⅞	2¾	3¼	2½	2¾	2
EJB241810	6¼	4¾	4¾	8⅞	6	6	4⅞	4⅞	3¼	3⅞	2¾	3¼	2½	2¾	2
EJB242408	5⅞	4⅞	4⅞	8⅞	8⅞	6	6	4⅞	4⅞	3⅞	3⅞	3¼	3¼	2¾	2¾
EJB242410	6⅞	4¾	4¾	8⅞	8⅞	6	6	4⅞	4⅞	3⅞	3⅞	3¼	3¼	2¾	2¾
EJB361208	4¾	4⅞	3	8⅞	3⅞	8⅞	3⅞	5¼	2	5¼	1¾	5⅞	1½	3⅞	—
EJB361808	5½	4⅞	4⅞	8⅞	6	8⅞	4⅞	5¼	3¼	5¼	2¾	5⅞	2½	3⅞	2
EJB361810	6½	4¾	4¾	8⅞	6	8⅞	8⅞	5¼	3¼	5¼	2¾	5⅞	2½	3⅞	2
EJB362408	6	4¾	4⅞	8⅞	8⅞	8⅞	6	5¼	4⅞	5¼	3⅞	5⅞	3¼	3⅞	2¾

Conduit seals are required in all conduit entrances for Class I, Division 1, Group B hazardous areas, and for EJB361208, EJB361808, EJB361810, EJB362408, and all Style D enclosures when used in Class I, Division 1, Group C hazardous areas. For other sealing requirements, consult the National Electrical Code*. Where standard arrangements are not adequate, special drilling and tapping can be ordered, or instructions can be provided for field drilling and tapping. Breathers and drains must be ordered separately. Maximum trade size for Group B application is 4".

Table 3
Symbols for Openings

Conduit Size	Drilled and Tapped Hole Symbol
½	A
¾	B
1	C
1¼	E
1½	F
2	G
2½	H
3	J
3½	K
4	L
5	M
6	N
None	O

‡Maximum trade size for Group B applications is 4".

*Top and bottom are longer dimensions on enclosures which are not square.

†Spacing dimensions for Group B boxes are based on use of EYS11-101 sealing fitting in conduit.

For conduit liner ordering information, see page 850.

Dimensions

Dimensions

In Inches:

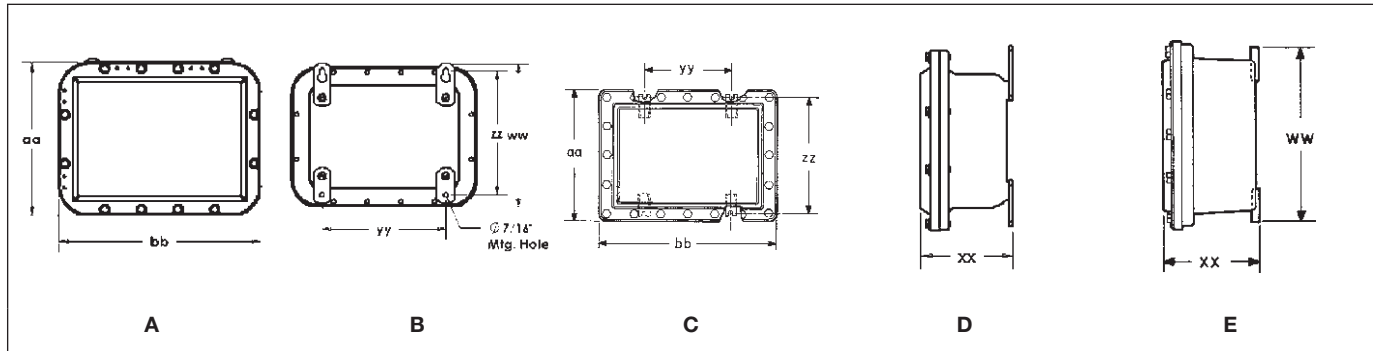


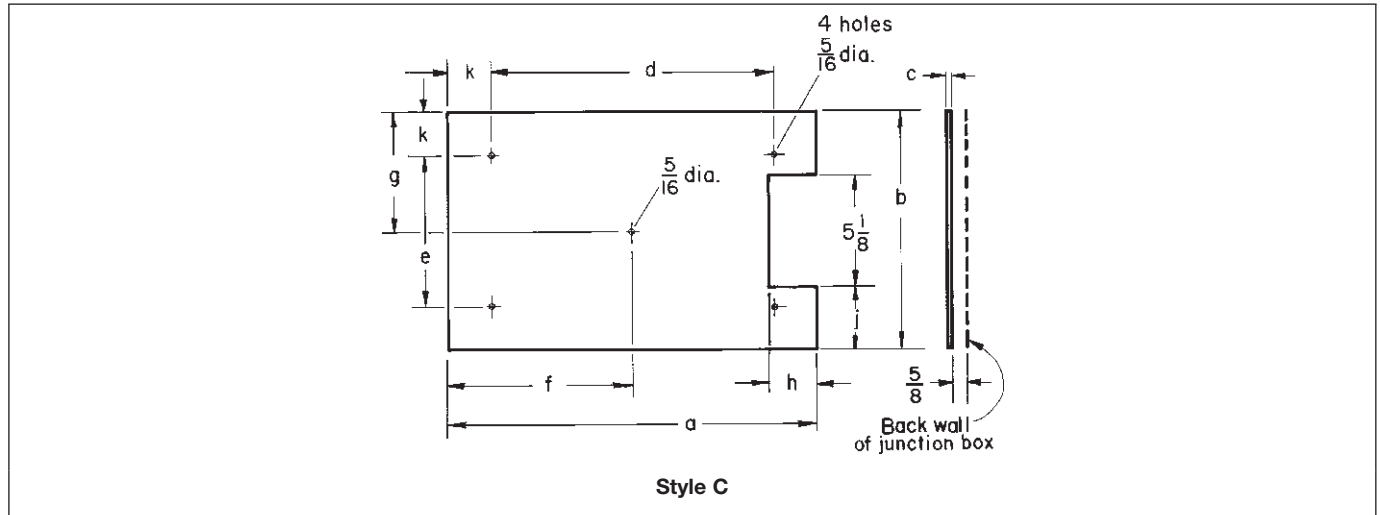
Table 4
Outside Dimensions

Cat. #	Diagram	aa	bb	Mtg. Hole	ww	xx	yy	zz	Net Weight (lbs.) w/ Cover
EJB060404	A, B, D	8 ¹¹ / ₃₂	10 ¹¹ / ₃₂	7/16	8 ³ / ₄	6 ¹ / ₈	5	7 ¹ / ₈	43
EJB080604		10 ¹⁵ / ₃₂	12 ¹⁵ / ₃₂	7/16	10 ²⁵ / ₃₂	6 ³ / ₁₆	7	9 ¹ / ₈	64
EJB080606		10 ¹⁵ / ₃₂	12 ¹⁵ / ₃₂	7/16	10 ²⁵ / ₃₂	8 ³ / ₁₆	7	9 ¹ / ₈	84
EJB080806		12 ¹⁵ / ₃₂	12 ¹⁵ / ₃₂	7/16	12 ²⁵ / ₃₂	8 ⁷ / ₃₂	7	11 ¹ / ₈	98
EJB120804		12 ¹ / ₂	16 ¹ / ₂	7/16	12 ¹³ / ₁₆	6 ³ / ₈	11	11 ¹ / ₈	103
EJB160404		8 ¹ / ₂	20 ¹ / ₂	7/16	8 ¹³ / ₁₆	6 ⁵ / ₃₂	15	7 ¹ / ₈	86
EJB060404 SA		8 ¹¹ / ₃₂	10 ¹¹ / ₃₂	7/16	8 ³ / ₄	6 ¹ / ₈	5	7 ¹ / ₈	16
EJB080604 SA		10 ¹⁵ / ₃₂	12 ¹⁵ / ₃₂	7/16	10 ²⁵ / ₃₂	6 ³ / ₁₆	7	9 ¹ / ₈	24
EJB080606 SA		10 ¹⁵ / ₃₂	12 ¹⁵ / ₃₂	7/16	10 ²⁵ / ₃₂	8 ³ / ₁₆	7	9 ¹ / ₈	32
EJB080806 SA		12 ¹⁵ / ₃₂	12 ¹⁵ / ₃₂	7/16	12 ²⁵ / ₃₂	8 ⁷ / ₃₂	7	11 ¹ / ₈	37
EJB120604 SA		10 ¹ / ₂	16 ¹ / ₂	7/16	10 ¹³ / ₁₆	6 ³ / ₁₆	11	9 ¹ / ₈	32
EJB120804 SA		12 ¹ / ₂	16 ¹ / ₂	7/16	12 ¹³ / ₁₆	6 ³ / ₈	11	11 ¹ / ₈	39
EJB120808 SA		12 ¹ / ₂	16 ¹ / ₂	7/16	12 ¹³ / ₁₆	10 ³ / ₈	11	11 ¹ / ₈	56
EJB160404 SA		8 ¹ / ₂	20 ¹ / ₂	7/16	8 ¹³ / ₁₆	6 ⁵ / ₃₂	15	7 ¹ / ₈	33
EJB101008 SA	14 ²¹ / ₃₂	14 ²¹ / ₃₂	7/16	14 ⁷ / ₈	10 ³ / ₈	9	13 ³ / ₈	59	
EJB141006 SA	14 ²¹ / ₃₂	18 ²¹ / ₃₂	7/16	14 ⁷ / ₈	8 ¹⁵ / ₃₂	13	13 ³ / ₈	66	
EJB100806	C and E	13 ³ / ₃₂	15 ¹ / ₃₂	9/16	12 ¹ / ₄	8 ⁹ / ₁₆	5 ¹ / ₂	11 ¹ / ₄	60
EJB121204		17 ¹ / ₁₆	17 ¹ / ₁₆	9/16	16 ¹ / ₈	6 ¹³ / ₁₆	5 ¹ / ₂	15 ¹ / ₈	60
EJB121206		17 ¹ / ₁₆	17 ¹ / ₁₆	9/16	16 ¹ / ₈	8 ⁷ / ₈	5 ¹ / ₂	15 ¹ / ₈	70
EJB121208		17 ¹ / ₁₆	17 ¹ / ₁₆	9/16	16 ¹ / ₈	10 ¹ / ₈	5 ¹ / ₂	15 ¹ / ₈	80
EJB161606		21 ³ / ₁₆	21 ³ / ₁₆	9/16	20 ⁷ / ₈	8 ⁷ / ₈	9 ¹ / ₂	19 ¹ / ₈	103
EJB161608		21 ³ / ₁₆	21 ³ / ₁₆	9/16	20 ⁷ / ₈	10 ¹ / ₈	9 ¹ / ₂	19 ¹ / ₈	113
EJB181206		17 ⁵ / ₁₆	23 ³ / ₁₆	9/16	16 ¹ / ₈	8 ⁷ / ₈	11 ¹ / ₂	15 ¹ / ₈	101
EJB181208		17 ⁵ / ₁₆	23 ³ / ₁₆	9/16	16 ¹ / ₈	10 ¹ / ₈	11 ¹ / ₂	15 ¹ / ₈	110
EJB241208		17 ⁹ / ₁₆	29 ⁹ / ₁₆	9/16	16 ¹ / ₈	11 ³ / ₄	17 ¹ / ₂	15 ¹ / ₈	149
EJB241210		17 ⁹ / ₁₆	29 ⁹ / ₁₆	9/16	16 ¹ / ₈	13 ³ / ₄	17 ¹ / ₂	15 ¹ / ₈	160
EJB241808		23 ⁹ / ₁₆	29 ⁹ / ₈	1 ¹ / ₁₆	23 ¹ / ₂	12 ¹ / ₄	17 ¹ / ₄	21 ¹ / ₈	243
EJB242408		29 ⁹ / ₁₆	29 ⁹ / ₁₆	1 ¹ / ₁₆	29 ¹ / ₂	12 ³ / ₁₆	16 ¹ / ₄	27 ¹ / ₈	296
EJB242410		29 ⁹ / ₁₆	29 ⁹ / ₁₆	1 ¹ / ₁₆	29 ¹ / ₂	14 ⁵ / ₁₆	16 ¹ / ₄	27 ¹ / ₈	322
EJB361208		17 ¹ / ₁₆	41 ¹ / ₁₆	9/16	16 ¹ / ₈	11 ¹¹ / ₁₆	29 ¹ / ₂	15 ¹ / ₈	185
EJB361808		23 ¹⁵ / ₁₆	41 ¹⁵ / ₁₆	1 ¹ / ₁₆	23 ¹ / ₂	12 ⁷ / ₁₆	28 ¹ / ₄	21 ¹ / ₈	351
EJB361810		23 ¹⁵ / ₁₆	41 ¹⁵ / ₁₆	1 ¹ / ₁₆	23 ³ / ₄	14 ¹ / ₄	28 ¹ / ₄	21 ¹ / ₈	396
EJB362408	30 ³ / ₁₆	42 ³ / ₁₆	1 ¹ / ₁₆	31 ¹ / ₄	12 ⁵ / ₈	28 ¹ / ₄	29 ¹ / ₂	571	

For conduit liner ordering information, see page 850.

Mounting Plate Dimensions

Table 5
Mounting Plate Dimensions



Style C

Cat. #	a	b	c	d	e	f	g	h	j	k
EJB MP1008‡	9	7	0.125	7	5			1 ³ / ₈	1 ¹ / ₂	1
EJB MP1212‡	11	11	0.125	9	9			1 ³ / ₈	1 ¹ / ₂	1
EJB MP1616‡	15	15	0.125	13	13			1 ³ / ₈	1 ¹ / ₂	1
EJB MP1812	17	11	0.125	13	7	8 ¹ / ₂	5 ¹ / ₂	2 ³ / ₈	2 ¹ / ₂	2
EJB MP2412	23	11	0.125	19	7	11 ¹ / ₂	5 ¹ / ₂	2 ³ / ₈	2 ¹ / ₂	2
EJB MP2418	22	16	0.125	19	13	11	8	1 ⁷ / ₈	2	1 ¹ / ₂
EJB MP2424	22	22	0.125	19	19	11	11	1 ⁷ / ₈	2	1 ¹ / ₂
EJB MP3612	34	10	0.125	31	7	17	5	1 ⁷ / ₈	2	1 ¹ / ₂
EJB MP3618	33 ¹ / ₂	15 ¹ / ₂	0.125	31	13	16 ³ / ₄	7 ³ / ₄	1 ⁵ / ₈	1 ³ / ₄	1 ¹ / ₄
EJB MP3624	34	22	0.125	31	19	17	11	1 ⁷ / ₈	2	1 ¹ / ₂

‡Plate has no center hole.

*Certifications and Compliances, see page 720.

For conduit liner ordering information, see page 850.

1E

Cl. I, Div. 1 & 2, Groups C, D
 Cl. II, Div. 1, Groups E, F, G
 Cl. II, Div. 2, Groups F, G
 Cl. III
 NEMA 3, 4, 7, 9

Explosionproof
 Dust-Ignitionproof
 Raintight
 Wet Locations

Applications:

EJB602212 junction box is used in threaded rigid conduit systems in hazardous areas:

- As a junction or pull box
- As an enclosure for splices and branch circuit taps
- For housing terminal blocks, relays, and other electrical devices
- As a mounting box for multi-device control panels with EMP barrel assemblies (see section 5C)
- Indoors or outdoors in damp, wet, dusty, corrosive locations
- Where exposure to frequent or heavy rain, water, spray, moisture, and humidity is common, such as: offshore drilling facilities, cooling towers, coal preparation and handling facilities, and sewage and waste water treatment plants
- Which are hazardous due to the presence of gases or vapors such as those found in process industries, missile bases, and gas manufacturing plants

Features:

- Ground joint cover opening provides maximum opening for pulling wires or mounting equipment
- Walls of enclosure may be drilled and tapped for conduit entries as shown in Table 2
- External flange design – wide unobstructed cover opening provides a completely accessible interior for wiring and electrical equipment
- Square corners of enclosure body provide maximum interior space and area for conduit openings
- Flat cover provides maximum space for mounting a greater number of control devices
- Internal grounding lug provides a means to ground enclosed equipment
- Special neoprene cover gasket provides a watertight seal to meet UL Type 4 (NEMA 4) requirements, and provides superior protection for enclosed equipment against water/corrosion
- Stainless steel cover bolts provide superior corrosion protection
- Enclosure is machined for field installed mounting plates
- Detachable mounting channels provide mounting flexibility. No need to replace enclosure if mounting channel is broken
- Aluminum hinges provide convenient and easy access for inspection, maintenance, and systems changes
- Safety chain attached to body and cover prevents accidental damage to hinges

Certifications and Compliances:

- NEC:
 - Class I, Division 1 & 2, Groups C, D
 - Class II, Division 1, Groups E, F, G
 - Class II, Division 2, Groups F, G
 - Class III
- UL Standard: 1203
- UL Raintight
- CSA 22.2 No. 18 and 30
- NEMA 3, 4, 7CD, 9EFG

Standard Materials:

- Body and cover – copper-free aluminum
- Gasket – neoprene
- Cover bolts – stainless steel
- Hinges – extruded aluminum

Standard Finishes:

- Copper-free aluminum – natural
- Extruded aluminum – natural
- Stainless steel – natural
- Neoprene – natural

Options:

Description	Suffix
Mounting plate kit for field installation (kit includes aluminum mounting plate, pillars, and mounting hardware).....	EJB-MP6022
Factory installed aluminum mounting plate for relays, terminal blocks, electrical devices, etc.....	MP

Ordering Information:

EJB602212 can be furnished with drilled and tapped openings, subject to the limitations of maximum size and number of openings as well as spacing, as shown in Tables 1 and 2.



To Order:

- Step 1**
Specify box catalog number – EJB602212
- Step 2**
Select standard conduit arrangement from Table 1 and maximum allowable size conduit opening from Table 2.
- Step 3**
Select appropriate symbol for required drilled and tapped opening from Table 3.
- Example:**
 Step 1 – Box Cat. No. – EJB602212
 Step 2 – Arrangement – 2
 Step 3 – Openings – two 2" drilled and tapped holes in top and bottom and two 2½" drilled and tapped holes evenly spaced on each side.
 Step 4 – Symbols are substituted and written in clockwise order starting with "a". When no opening is required at a particular location, use symbol "0" (zero). For this example:GG-0H0H0-GG-0H0H0. Complete Cat. No. is made up of three parts:
 Part 1 – box number;
 Part 2 – arrangement number;
 Part 3 – symbols for conduit openings. For this example the catalog number is: EJB602212-2-GG-0H0H0-GG-0H0H0.

For conduit liner ordering information, see page 850.

Table 1
Conduit Arrangement Diagrams

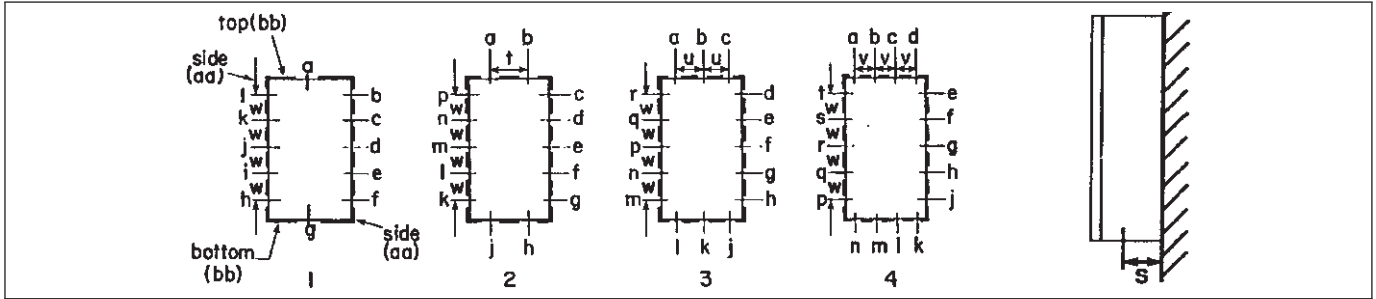


Table 2
Conduit Arrangements

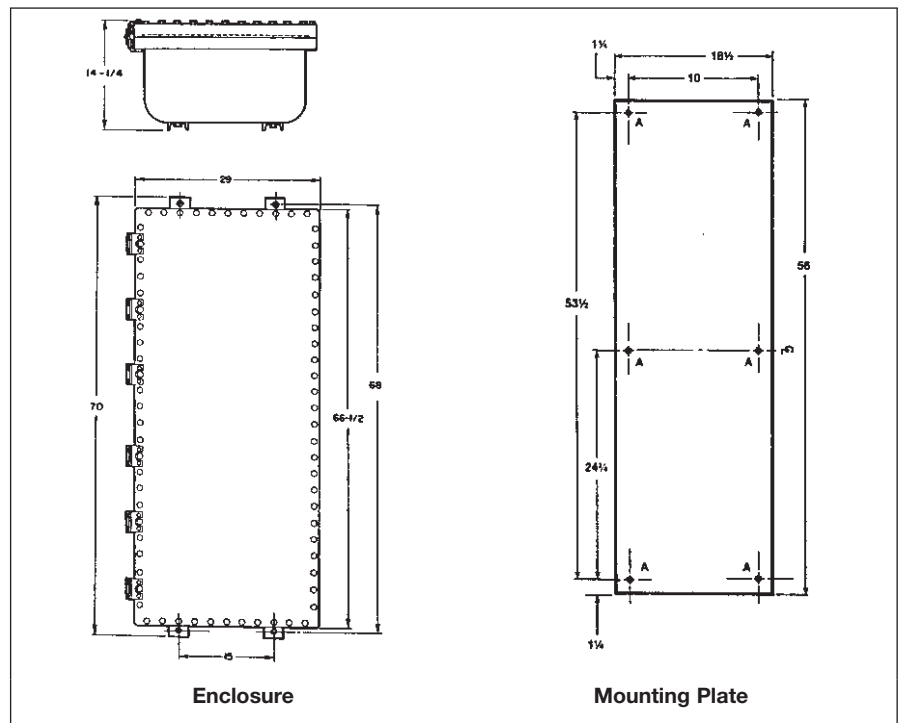
	Maximum Trade Size and Number of Openings										Spacing Dimensions				
	Top and Bottom (bb)				Sides (aa)					s	t	u	v	w	
	1	2	3	4	1	2	3	4	5						
EJB602212†	6	6	4	3	6	6	6	6	6	6	6 ³ / ₄	10	7	5 ⁵ / ₈	10

Table 3
Symbols for Openings

Conduit Size	Drilled and Tapped Hole Symbol
1/2	A
3/4	B
1	C
1 1/4	E
1 1/2	F
2	G
2 1/2	H
3	J
3 1/2	K
4	L
5	M
6	N
none	O

Conduit sealing fittings are required on all conduit entrances (within 18" of the enclosure) when used in Class I, Division 1, Group C hazardous areas. For other sealing requirements consult the National Electrical Code.®

Dimensions
In Inches:



Nominal Inside Dimensions

Sides	Top & Bottom	Depth
60	22	12

For conduit liner ordering information, see page 850.

†Class I, Div. 1 and 2, Groups C and D only.

Cl. I, Div. 1 & 2, Groups B*, C, D
 Cl. I, Zones 1 & 2
 Cl. II, Div. 1, Groups E, F, G
 Cl. II, Div. 2, Groups F, G
 Cl. III

UL and cUL approved
 Ex d IIB + H₂ T6
 Certified to ATEX
 Directive†
 NEMA 3, 7B*CD, 9EFG
 IP66

Globally Certified—Individually Customized

The following pages will assist you in choosing the combination of features suited to your needs and requirements. The easy, five-step process will take you through the specification of cover openings, specifying devices, drilled and tapped conduit openings, device locations, and legend and nameplate selection.

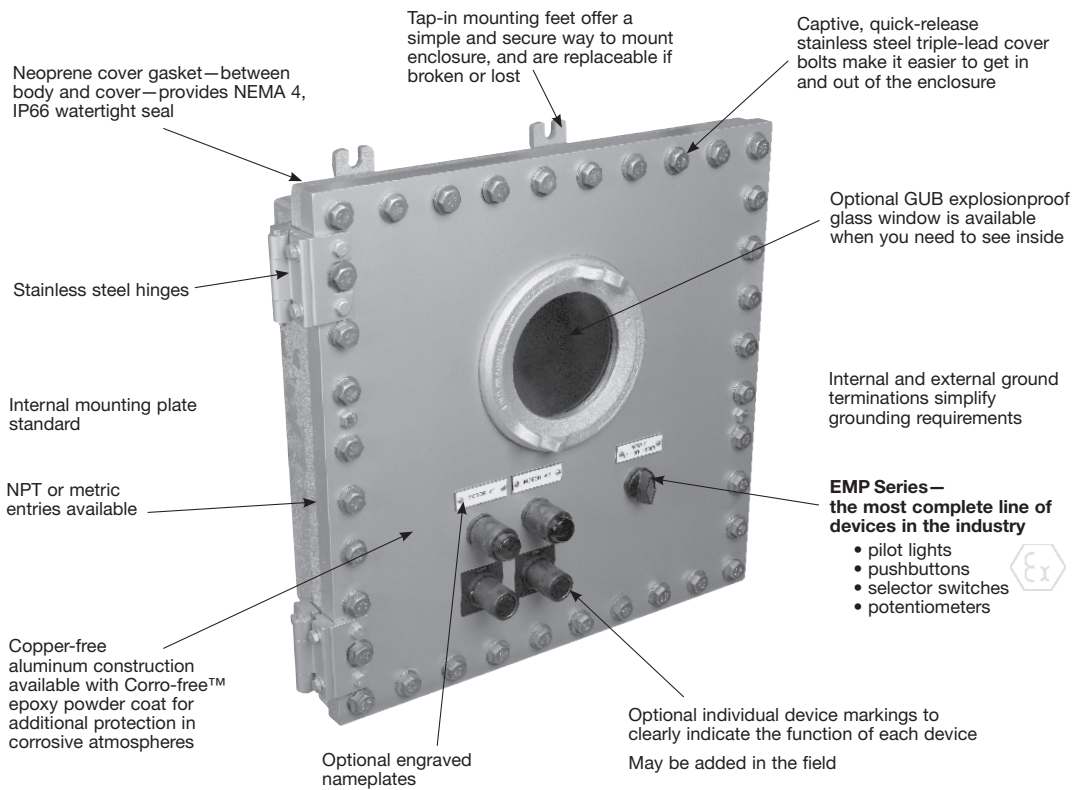
After filling out your separate order form for each panel, fax it to your local Cooper Crouse-Hinds Distributor. Please consult the factory for alternatives not detailed in these pages, such as other conduit arrangements, terminal blocks, or circuit breaker operating handles.

Features:

- The foundation of the Custom-Built Control Panel is our tried and tested copper-free aluminum EJB enclosure. This corrosion resistant, heavy-duty enclosure features bolted construction, stainless steel hinges, and flexible tap-in mounting feet.

Applications:

- Manufactured for hazardous environments, the EJB Custom-Built Control Panel is an explosionproof enclosure built to customer specific requirements
- Available in a variety of sizes with an unlimited combination of devices, windows, and markings, these panels are designed to maximize the efficiency of each unique process



Certifications and Compliances:

EJB Custom Control Panels

- NEC/CEC:
 - Class I, Divisions 1 & 2, Groups B*, C and D
 - Class I, Zones 1 & 2
 - Class II, Division 1, Groups E, F and G
 - Class II, Division 2, Groups F and G
 - Class III
- NEMA: 3, 7B*CD, 9EFG
- cUL to CSA Standard C22.2 No. 30—C22.2 No. 25 Cl. II (E, F, G)
- Ex d IIB + H₂ T6
- UL Standard 1203
- IP66
- Certified to the ATEX Directive when ordered with -ATEX suffix.
- Custom Control Panel is component certified only. For assembly certification, please consult factory.

*Groups C and D only when ordered with GUB window.
 † Certified to the ATEX Directive when ordered with ATEX suffix.

ATEX Certifications

- EJB Enclosure with Conduit Entries & Device Holes
 - Ex II 2 G Ex d IIB + H₂ Certificate #: ITS08ATEX15797U
- EMP Devices
 - Ex II 2 G Ex d IIB + H₂ Certificate #: ITS07ATEX15652U
- GUB0108 ATEX Window
 - Ex II 2 G Ex d IIB + H₂ Certificate #: ITS07ATEX15638U
- ECD Breather/Drain
 - Ex II 2 G Ex d IIB + H₂ Certificate #: ITS07ATEX15639U

Globally Certified—Individually Customized

Ordering and receiving Cooper Crouse-Hinds EJB Custom-Built Control Panels is now easier and faster than ever. Follow the steps below, fill out a separate order form for each panel, and fax it to your local Cooper Crouse-Hinds Distributor. It's as simple as that!

Easy Five Step Ordering Process:

- 1 Specify cover openings and devices.
- 2 Specify conduit openings.
- 3 Determine device arrangement.
- 4 Specify device location.
- 5 Specify legend and nameplates.

Step 1

Specify the openings required for the cover of the enclosure.

Indicate in Section 1 of the order form the combination of devices, openings without devices, and windows required.

Total the number of device openings required based on the devices, openings and windows specified in Section 1.

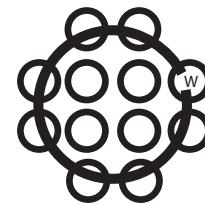
Using Table 1, you can determine the smallest size enclosure required based upon the total number of devices/openings and the number of devices a window requires. (NOTE: The actual size of your custom panel enclosure may change based on the number and size of your entry requirements.)

TABLE 1

DEVICE AND WINDOW INFORMATION

Total # of Device Openings Available		Device Layout			EJB Enclosure Catalog Number
9	=	3	X	3	EJB100806
16	=	4	X	4	EJB121204
16	=	4	X	4	EJB121206
16	=	4	X	4	EJB121208
36	=	6	X	6	EJB161606
36	=	6	X	6	EJB161608
24	=	6	X	4	EJB181206
24	=	6	X	4	EJB181208
36	=	9	X	4	EJB241208
36	=	9	X	4	EJB241210
54	=	9	X	6	EJB241808
54	=	9	X	6	EJB241810
81	=	9	X	9	EJB242408
81	=	9	X	9	EJB242410
52	=	13	X	4	EJB361208
78	=	13	X	6	EJB361808
78	=	13	X	6	EJB361810
117	=	13	X	9	EJB362408

Requires same area as 12 devices.
May be installed in all boxes.



GUB0108—Symbol W
4-3/4" dia. viewing area

SIZE REQUIREMENTS

EJB Size	Max. No. Windows
121204 to 181208	1
241208 to 362408	2

Globally Certified—Individually Customized

Step 2

Specify the number, size and location of conduit openings required on the sides, top and bottom of the enclosure body using the information in Tables 2, 3, and 4.

Refer to Table 2 to determine if the enclosure selected in Step 1 will accommodate the required conduit openings.
From Table 3, determine the symbol(s) that correspond with the required conduit openings.

Place these symbols in the desired positions using the conduit arrangement diagrams in Table 4.

Any combination of the four arrangement diagrams may be used per side and all positions on a side with openings must have a symbol. The side number (1, 2, 3 or 4) must precede the conduit opening(s) symbols for the respective side. When a side of the enclosure does not require any conduit openings, the side number is omitted from the catalog number.

Enter the complete catalog number, including conduit opening designations, in Section 2 of the order form. Indicate on which side the hinges should be mounted. Check boxes in Section 2 for options desired.

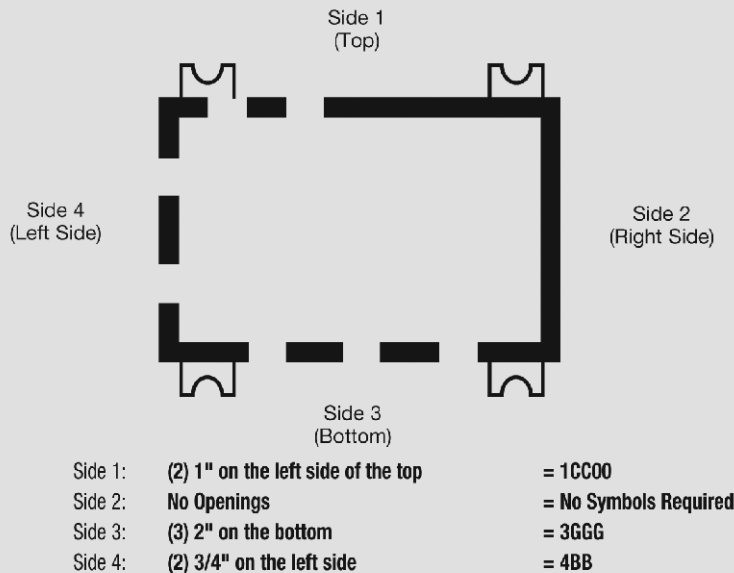
Example:

In Step 1, customer selects an EJB161606 based on the number of devices/openings specified (See Section 1 of sample order form). The following conduit openings are required: (2) 1" on the left side of the top; no openings on the right side; (3) 2" on the bottom; and (2) 3/4" on the left side.

Table 2 indicates the maximum size allowed for three conduit openings in an EJB161606 is 2-1/2". Therefore, an EJB161606 would be suitable.

Table 3 indicates a 3/4" opening is symbol B, a 1" opening is symbol C, a 2" opening is symbol G and no opening is a 0.

Using the conduit arrangement diagrams in Table 4, place the symbols for the desired openings in the appropriate positions. Remember, any combination of the four arrangement diagrams may be used and all positions on a side with openings must have a symbol even if no opening is required in a particular position.



Complete catalog number is: **EJB161606-1CC003GGG4BB**. Enter the completed catalog number, including conduit opening designations, in Section 2 of the order form. Indicate on which side the hinges should be mounted.

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TABLE 2

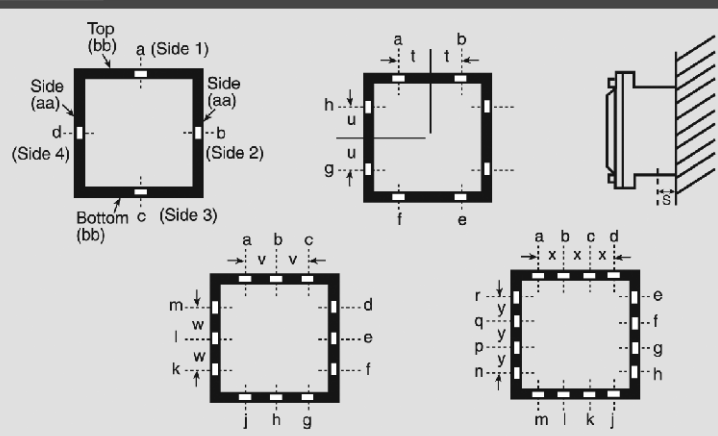
CONDUIT ARRANGEMENTS

CAT #	Maximum Trade Size and Number of Openings								Spacing Dimensions							
	Top and Bottom (bb)				Sides (aa)				S	T	U	V	W	X	Y	
	1	2	3	4	1	2	3	4								
Drilled and Tapped Openings																
EJB100806	3-1/2	3	1-1/2	1-1/4	3-1/2	2-1/2	1-1/4	3/4	3-3/4	2-5/16	1-15/16	2-3/4	2-1/2	2-1/2	1-3/4	
EJB121204	1-1/2	1-1/2	1-1/2	1-1/4	1-1/2	1-1/2	1-1/2	1-1/4	3	2-1/4	2-1/4	3-5/8	3-5/8	3-1/16	3-1/16	
EJB121206	3-1/2	3-1/2	1-1/2	1-1/4	3-1/2	3-1/2	1-1/2	1-1/4	3-3/4	3	3	3-5/8	3-5/8	3-1/16	3-1/16	
EJB121208	5	3-1/2	1-1/2	1-1/4	5	3-1/2	1-1/2	1-1/4	4-3/4	3	3	3-5/8	3-5/8	3-1/16	3-1/16	
EJB161606	3-1/2	3-1/2	2-1/2	2	3-1/2	3-1/2	2-1/2	2	3-3/4	3	3	4-5/8	4-5/8	4-3/16	4-3/16	
EJB161608	5	5	3	2	5	5	3	2	4-3/4	3-1/4	3-1/4	6	4-5/8	4-3/16	4-3/16	
EJB181206	3-1/2	3-1/2	3-1/2	2-1/2	3-1/2	3-1/2	1-1/2	1-1/4	3-3/4	3	3	6	3-5/8	4-5/8	3-1/16	
EJB181208	5	5	3-1/2	2-1/2	5	3-1/2	1-1/2	1-1/4	4-3/4	4-3/16	3	6	3-5/8	4-5/8	3-1/16	
EJB241208	5	5	5	3-1/2	5	3-1/2	1-1/2	1-1/4	5-1/8	4-3/16	3	8-7/16	3-5/8	6	3-1/16	
EJB241210	6	6	5	3-1/2	6	3-1/2	1-1/2	1-1/4	6-1/8	4-3/4	3	8-7/16	3-5/8	6	3-1/16	
EJB241808	5	5	5	3-1/2	5	5	3-1/2	2-1/2	5-1/4	4-3/16	4-3/16	8-7/16	6	6	4-5/8	
EJB241810	6	6	5	3-1/2	6	6	3-1/2	2-1/2	6-1/4	4-3/4	4-3/4	8-7/16	6	6	4-5/8	
EJB242408	5	5	5	3-1/2	5	5	5	3-1/2	5-3/8	4-3/16	4-3/16	8-7/16	8-7/16	6	6	
EJB242410	6	6	5	3-1/2	6	6	5	3-1/2	6-3/8	4-3/4	4-3/4	8-7/16	8-7/16	6	6	
EJB361208	5	5	5	5	5	3-1/2	1-1/2	1-1/4	4-3/4	4-7/16	3	8-7/16	3-5/8	8-7/16	3-1/16	
EJB361808	5	5	5	5	5	5	3-1/2	2-1/2	5-1/2	4-7/16	4-7/16	8-7/16	6	8-7/16	4-5/8	
EJB361810	6	6	5	5	6	6	3-1/2	2-1/2	6-1/2	4-3/4	4-3/4	8-7/16	6	8-7/16	4-5/8	
EJB362408	5	5	5	5	5	5	5	3-1/2	6	4-3/16	4-3/16	8-7/16	8-7/16	8-7/16	6	

TABLE 3 SYMBOLS FOR OPENINGS

NPT Conduit Size	Drilled & Tapped Hole Symbol	Metric Openings	Drilled & Tapped Hole Symbol
1/2	A	M16	AM
3/4	B	M20	BM
1	C	M25	CM
1-1/4	E	M32	EM
1-1/2	F	M40	FM
2	G	M50	GM
2-1/2	H	M63	HM
3	J		
3-1/2	K		
4	L		
5	M		
6	N		

TABLE 4 CONDUIT ARRANGEMENT DIAGRAMS



Step 3

Based upon the EJB selected, use Section 3 of the order form and outline the maximum number of columns and rows available (from Table 1) beginning in the upper left corner. Fill in the length of each side in the space provided.

Note that the left side will be hinged unless otherwise specified in Section 2. In our example, an EJB161606 was selected and according to Table 1, a total of 36 device spaces are available (6 columns and 6 rows). See sample order form.

Step 4

Place the appropriate letter symbol from Section 1 of the order form in the position you desire the devices or openings to be located. If a window is required, outline the position and number of spaces the window will occupy and place the symbol of the window (w) in the center.

Note that 2 windows per enclosure can be used. If more windows are required contact factory. (See appropriate window information in the sample order form)

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Step 5

Indicate the desired device marking (DSL legend plate) or engraved plate for each device or window in Section 4 of the order form.

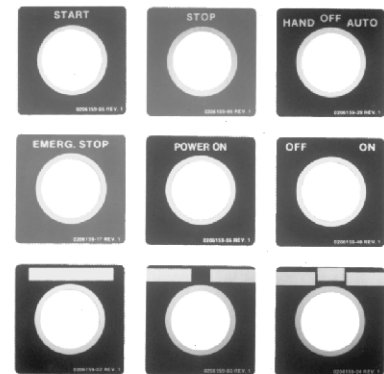
Engraved plates will be located above the device or window and are white letters on a black background. If an engraved plate is desired, fill in desired wording on engraved plate (up to 2 lines) on Section 4 of order form. If a device marking is required on EMP device, insert the DSL catalog number from those listed below (Table 5) on Section 4 of order form under column labeled "Device Marking." Be sure to specify the row and column location of the EMP device being marked. See sample order form.

That's it. *It's that simple.* Now fax the order form to your local Cooper Crouse-Hinds Distributor.

TABLE 5 LEGEND PLATE SELECTOR CHART

Use the charts below to select the appropriate legend plate(s) for your application. Markings shown in **bold print** are etched; all others are stamped.

Single Function Legend Plates		Double Function Legend Plates		Triple Function Legend Plates	
Marking	Cat #.	Marking	Cat #.	Marking	Cat #.
Automatic	DSL16	Blank with 2 fields	DSL03	Auto-Off-Hand	DSL49
Blank	DSL01	For-Rev	DSL30	Blank with 3 fields	DSL04
Blank with single field	DSL02	Hand-Auto	DSL29	Fast-Off-Slow	DSL41
Close	DSL21	In-Out	DSL35	For-Off-Rev	DSL40
Down	DSL23	Off-On	DSL48	Hand-Off-Auto	DSL39
Emerg. Stop	DSL17	Open-Close	DSL32	Run-Off-Jog	DSL38
Fast	DSL46	Raise-Lower	DSL36	Open-Off-Close	DSL43
Forward	DSL18	Run-Jog	DSL28	Raise-Off-Lower	DSL87
Hand	DSL15	Safe-Run	DSL86	Slow-Off-Fast	DSL88
In	DSL24	Start-Stop	DSL37	Up-Off-Down	DSL44
Jog	DSL10	Slow-Fast	DSL65	1-Off-2	DSL42
Lower	DSL27	Up-Down	DSL33	Note: Background color for all legend plates is black with the following exceptions:	
On	DSL07				
Off	DSL08			Marking	Plate Color
Open	DSL20			Start	Green
Out	DSL25			Stop	Red
Power On	DSL14			Emerg. Stop	Red
Raise	DSL26				
Reset	DSL12				
Reverse	DSL19				
Run	DSL09				
Safe	DSL85				
Slow	DSL47				
Start	DSL05				
Stop	DSL06				
Test	DSL13				
Trip	DSL11				
Up	DSL22				



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Please photocopy and fax all pages of order form (Sections 1-4) to your local Cooper Crouse-Hinds Distributor.

Section 1: EMP Style Operators—UL, cULus and ATEX

Number of Devices: Indicate the Number of Devices, Openings Without Devices and Window(s) Required.

Pilot Lights			
	Diagram	Symbol	Quantity
EMP009-J1 (Red)		A	_____
EMP009-J1-LED		A1	_____
EMP0090-J1		A2	_____
EMP0098-J1		A4	_____
EMP009-J3 (Green)		B	_____
EMP009-J3-LED		B1	_____
EMP0090-J3		B2	_____
EMP0098-J3		B4	_____
EMP009-J6 (Amber)		C	_____
EMP009-J6-LED		C1	_____
EMP0090-J6		C2	_____
EMP0098-J6		C4	_____
EMP009-J10 (Clear)		E	_____
EMP0090-J10		E2	_____
EMP0098-J10		E4	_____
EMP009-J11 (Blue)		F	_____
EMP0090-J11	F2	_____	
EMP0098-J11	F4	_____	

Selector Switches – Two position			
	Diagram	Symbol	Quantity
EMP049		Q	_____
EMP059		R	_____

Selector Switches – Three position			
	Diagram	Symbol	Quantity
EMP069		S	_____
EMP069-S634		S4	_____
EMP069-S635		S5	_____
EMP079		T	_____
EMP079-S634		T4	_____
EMP079-S635		T5	_____
EMP089		U	_____
EMP089-S634		U4	_____
EMP089-S635		U5	_____

Pushbuttons—Single Pushbutton			
	Diagram	Symbol	Quantity
EMP019 (Black)		G	_____
EMP019 (Red)		H	_____
EMP019 (Green)		J	_____
EMP098 (Red)		K	_____

Selector Switches – Keyed Selector Switches			
	Diagram	Symbol	Qty
EMP0491		Q6	_____
EMP0492		Q7	_____
EMP0493		Q8	_____
EMP0591		R6	_____
EMP0592		R7	_____
EMP0593		R8	_____
EMP0691		S6	_____
EMP0692		S7	_____
EMP0693		S8	_____
EMP0694		S9	_____
EMP0791		T6	_____
EMP0792		T7	_____
EMP0793		T8	_____
EMP0794		T9	_____
EMP0891		U6	_____
EMP0892		U7	_____
EMP0893		U8	_____
EMP0894		U9	_____

Pushbuttons—Double Pushbutton, Single Operator			
	Diagram	Symbol	Quantity
EMP029 (Black)		L	_____
EMP029 (Red)		M	_____
EMP029 (Green)		N	_____

Pushbuttons – Double Pushbutton, Double Operator			
	Diagram	Symbol	Quantity
EMP039		P	_____

Total Number of all Devices on this page _____

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Section 1: EMP Style Operators Continued

Number of Devices: Indicate the Number of Devices, Openings Without Devices and Window(s) Required.

Openings Without Devices <small>(For Future Expansion)</small>	
	Symbol Quantity
3/4" - 14 NPSM Opening (plugged)	V _____

Windows			
	Symbol	Quantity	# of Openings
GUB0108	W	_____	_____

Total Number of all Device
Openings from previous page _____

Total Number of all Devices /
Openings from Section 1 _____

1E

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Section 2

Completed Catalog Number:

Specify the complete catalog number including conduit designations.

EJB _____

All Cooper Crouse-Hinds Custom-Built Control Panels are provided with a mounting plate and hinges. Hinges are on left side of enclosure. If you desire hinges on one of the other sides, circle choice here: TOP RIGHT BOTTOM

Distributor: _____ Contact: _____

Customer: _____ Phone Number: _____

CROUSE-HINDS FACTORY USE ONLY	
Catalog Number Entered:	
Reference #:	B#

OPTIONS

For any of the following options, check here:

- ATEX Certified (ATEX)
- Breather and Drain (S756V)
- Epoxy finish, external (S752)
- Epoxy finish, internal and external (S753)

Section 3—Exterior Front View

Location of Devices and Windows in Cover:

Outline the cover space available, beginning in the upper left corner of the grid, based upon the EJB selected. See Table 1 for device layout.

	size		Top (column)												
			1	2	3	4	5	6	7	8	9	10	11	12	13
A	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
B	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
C	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	size														
D	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
E	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
F	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
G	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
H	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
J	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
K	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
L	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
M	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			Bottom												

Note: All device openings are spaced 2.62" center to center.

Section 4

Device Markings:

Indicate by row and column position markings/legends for each device.

Engraved Plate:

Specify markings for each nameplate based upon the following:

Maximum Number of Characters/Line

Marking Size	1/8"	3/16"	1/4"	1/2"
Number of Characters	36	24	18	9

Specify

Row	Column	Device Marking (DSL) or Engraved Plate Line 1	Engraved Plate Line 2	Marking Size

Applications:

EJB/EJW IEC ATEX Enclosures are used in threaded rigid conduit systems in hazardous areas:

- To function as a splice box, pull box, or equipment and device enclosure
- Indoors and outdoors

Features:

- Ground joint (bolted) construction throughout permits use in hazardous areas
- Bodies have thick walls so they can be factory drilled and tapped to meet IEC requirements for Zone 1, 2, 21, and 22 hazardous areas
- Covers are provided with a neoprene "O" ring gasket to meet NEMA/EEMAC 4 requirements for a watertight seal
- Internal grounding lug provides a means to ground enclosed equipment
- Ambient temperature range: -20 to +55°C
- Rated voltage: 690V
- Rated max. current: up to 1200A

Certifications & Compliances:

ATEX Certificate: LOM 02ATEX3060U (Empty Enclosures)

- Ⓢ II 2G Ex d IIB
- EN60079-0:2006
- EN60079-7:2007
- EN60079-18:2004

ATEX Certificate: LOM 03ATEX2004X (Custom Control Panels)

- Ⓢ II 2 G Ex d IIB T4...T6
- Ⓢ II 2(1) G Ex d[ia] IIB T4...T6
- Ⓢ II 2(2) G Ex d[ib] IIB T4...T6
- Ⓢ II 2(1/2) G Ex d[ia/ib] IIB T4...T6
- EN60079-0:2006
- EN60079-1:2007
- EN60079-11:2007

Metallic Enclosures*

Marking to 94/9/CE

- Ⓢ II 2 G - EEx d IIB T6 - T4 - T6*

EC - Type Examination Certificate

- LOM 02 ATEX 3060U

Degree of Protection

- IP65 acc. EN60529

Rated Voltage

- 690V

Max. Rated Current

- 1200A

Terminals

- to 240mm²

Material

- Light alloy, less EJW family in welded steel; grey coating

*Acc. of the mounted elements.



EJB 241 M1

Components

Marking to 94/9/CE

- Ⓢ II 2 G - EEx d IIB

EC - Type Examination Certificate

- LOM 02 ATEX 3060U

Degree of Protection

- IP65 acc. EN60529

Standard Materials:

- **Bodies** - aluminum
- **Covers** - aluminum
- **EJW Series** - welded steel

Standard Finish:

- Epoxy powder coat finish is standard inside and outside

Options:

Description	Suffix
• Factory installed mounting plate for relays, terminal blocks, electrical devices, etc.	Available upon request (please contact factory)
• Factory installed pushbuttons, signal lamps, switchgear, rotary handles, actuators, rectangular glass windows	Available upon request (please contact factory)
• Factory installed terminal blocks - up to 240 sq mm	Available upon request (please contact factory)

Ordering Information - Enclosures:

Type	Dissipation Power			Rated Current Max.	Cat. #	Kg	Quantity
	T6	T5	T4				
EJB 12R	30	60	100W	40A	NOR 000 001 170 438	3.00	1
EJB 12A	30	60	100W	40A	NOR 000 001 170 446	3.60	1
EJB 14R	80	140	240W	65A	NOR 000 001 170 462	8.30	1
EJB 23R	60	140	240W	100A	NOR 000 001 170 488	11.00	1
EJB 110	125	170	295W	160A	NOR 000 001 170 496	22.00	1
EJB 120	150	270	480W	300A	NOR 000 001 170 503	28.50	1
EJB 120 M3	150	270	480W	300A	NOR 000 111 170 601	28.50	1
EJB 120 M4	150	270	480W	300A	NOR 000 111 170 606	28.50	1
EJB 121	150	280	500W	350A	NOR 000 001 170 511	32.00	1
EJB 130	200	340	590W	450A	NOR 000 001 170 529	35.30	1
EJB 131	200	350	610W	500A	NOR 000 001 170 537	39.00	1
EJB 240	250	400	700W	800A	NOR 000 001 170 545	52.30	1
EJB 241	250	400	700W	850A	NOR 000 001 170 553	56.80	1
EJB 241 M1	250	400	700W	850A	NOR 000 111 170 469	54.00	1
EJB 241 M2	250	400	700W	850A	NOR 000 111 170 451	51.00	1
EJW 250	250	340	560W	1200A	NOR 000 001 190 139	145.00	1
EJW 251	380	520	850W	1200A	NOR 000 001 190 197	167.00	1
EJW 350	380	520	850W	1200A	NOR 000 001 190 171	168.00	1
EJW 351	450	600	1000W	1200A	NOR 000 111 190 062	175.00	1
EJW 561	600	730	1000W	1200A	NOR 000 111 190 066	380.00	1

Ordering Information - Components:

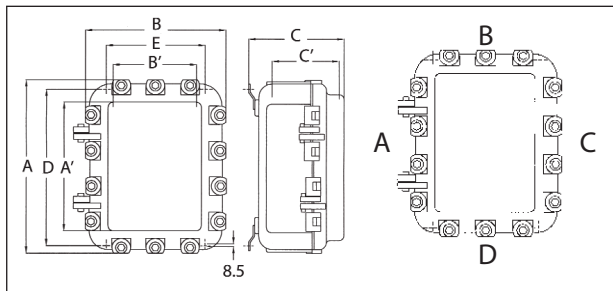
Description	Cat. #	Quantity
Pushbuttons with 1NO + 1NC contact block:		
 Sensitive pushbutton + labels «White», «I», «0», «STOP», «START»	NOR 000 001 170 004	1
 Sensitive pushbutton locked by padlock in pressed position + labels «White», «I», «0», «STOP», «START»	NOR 000 001 170 005	1
 Sensitive pushbutton locked by padlock in depressed position + labels «White», «I», «0», «STOP», «START»	NOR 000 001 170 006	1
 Mushroom sensitive pushbutton + labels «0», «STOP», «OFF», «RED», and «YELLOW»	NOR 000 001 170 007	1
 Mushroom retained pushbutton + labels «0», «STOP», «OFF», «RED», and «YELLOW»	NOR 000 001 170 008	1
 Mushroom retained pushbutton and locked by padlock + labels «0», «STOP», «OFF», «RED», and «YELLOW»	NOR 000 001 170 009	1
 Key pushbutton	NOR 000 001 170 010	1
 Mushroom key pushbutton	NOR 000 001 170 011	1
 Sensitive pushbutton bottom box + label «RESET»	NOR 000 001 170 012	1
Contact blocks:		
1NO	NOR 000 001 170 013	1
1NC	NOR 000 001 170 014	1
Pack labels:		
1 label of each inscription «I», «Arrow», «ON», «RESET», «TEST», «Green», «Red», «Yellow», and «Black»	NOR 000 001 170 015	1
Signal lamps:		
 Direct lamp 240V + lens «White», «Amber», «Red», «Yellow», and «Green» + Lampholder + 3W lamp	NOR 000 001 170 016	1
 Direct lamp 130V + lens «White», «Amber», «Red», «Yellow», and «Green» + Lampholder + 2.6W lamp	NOR 000 001 170 017	1
 Direct lamp 24V + lens «White», «Amber», «Red», «Yellow», and «Green» + Lampholder + 1.2W lamp	NOR 000 001 170 018	1
 Indirect lamp by Trafo 380-400/6V + lens «White», «Amber», «Red», «Yellow», and «Green» + Lampholder + 1.2W lamp	NOR 000 001 170 019	1
 Direct LED 230V + lens «White», «Amber», «Red», «Yellow», and «Green» + Lampholder	NOR 000 001 170 116	1
 Direct LED 130V + lens «White», «Amber», «Red», «Yellow», and «Green» + Lampholder	NOR 000 001 170 117	1
 Direct LED 24V + lens «White», «Amber», «Red», «Yellow», and «Green» + Lampholder	NOR 000 001 170 118	1
Control switches, locked by padlock + label:		
Reversed «0-1», 2P, 12A + rotary handle	NOR 000 001 170 020	1
Reversed «0-1», 2P, 25A + rotary handle	NOR 000 001 170 021	1
Reversed «0-1», 3P, 25A + rotary handle	NOR 000 001 170 022	1
Reversed «1-2», 1P, 12A + rotary handle	NOR 000 001 170 023	1
Reversed «1-2», 2P, 12A + rotary handle	NOR 000 001 170 024	1
Reversed «1-0-2», 1P, 12A + rotary handle	NOR 000 001 170 025	1

1E

Description	Cat. #	Quantity
Control switches, locked by padlock + label:		
Reversed «1-0-2», 2P, 12A + rotary handle	NOR 000 001 170 026	1
Reversed «0-1», 2P, 12A + rotary handle	NOR 000 001 170 027	1
Reversed «0-1-M», 2P, 12A + rotary handle	NOR 000 001 170 028	1
Rotary handle bottom enclosure locked by padlock:		
Actuator for 25A <63A switch	NOR 000 001 170 029	1
Actuator for 63A <100A switch	NOR 000 001 170 030	1
Actuator for 100A <250A switch	NOR 000 001 170 031	1
Actuator for 250A <1000A switch	NOR 000 001 170 032	1
Neutral label for switches:		
Label 60 x 60	NOR 000 001 170 033	1
Label 70 x 70	NOR 000 001 170 034	1
Label 85 x 85	NOR 000 001 170 035	1
Special actuators:		
Actuator for MCB of 1P - ABB + label	NOR 000 001 170 933	1
Actuator for MCB multi-pole - ABB + label	NOR 000 001 170 925	1
Actuator for MCB of 1P - M&G + label	NOR 000 111 170 600	1
Actuator for MCB multi-pole - M&G + label	NOR 000 111 170 569	1
Actuator for MCB POWER + label	NOR 000 111 170 565	1
Bushings†:		
3/4" NPT 3P + N + PE 4x10mm ² + 1x6mm ² 50A	NOR 000 001 170 892	1
1" NPT 3P + N + PE 4x16mm ² + 1x10mm ² 75A	NOR 000 001 170 909	1
1 1/2" NPT 3P + N + PE x50mm ² + 1x10mm ² 150A	NOR 000 001 170 917	1
Bus-bars:		
>350A, 3P + N + T + control 19x1.5mm ² application size 1	NOR 000 001 170 036	1
>350A <500A, 3P + N + T + control 19x1.5mm ² application size 1	NOR 000 001 170 037	1
>500A <630A, 3P (2 bars per phase) + N + T + control 19x1.5mm ² application size 2	NOR 000 001 170 038	1
>630A <800A, 3P (2 bars per phase) + N + T + control 19x1.5mm ² application size 2	NOR 000 001 170 039	1
Windows:		
60 x 60mm type: M 6060	NOR 000 001 170 000	1
75 x 75mm type: M 7575	NOR 000 001 170 001	1
110 x 50mm type: M 11050	NOR 000 001 170 002	1
110 x 75mm type: M 11075	NOR 000 001 170 003	1
End bars cover:		NOR 000 111 170 154 1



†Length cables 1m; others upon request.



Dimensions In Millimeters:

Type	Externals			Windows	Internals			Mounting	
	A	B	C		A'	B'	C'	D	E
EJB 12R	216	130	106		178	86	59	220	144
EJB 12A	216	130	162		178	86	115	220	144
EJB 14R	420	150	143		367	104	95	424	159
EJB 23R	337	217	211		274	164	166	333	219
EJB 110	371	371	233		311	311	179	327	327
EJB 120	474	371	233		414	311	177	430	327
EJB 120 M3	474	371	233	75 x 110	414	311	177	430	327
EJB 120 M4	474	371	233	180 x 140	414	311	177	430	327
EJB 121	474	371	305		414	311	249	430	327
EJB 130	577	371	233		517	311	177	533	327
EJB 131	577	371	305		517	311	249	533	327
EJB 240	680	474	233		619	414	175	636	430
EJB 241	680	474	305		619	414	247	636	430
EJB 241 M1	680	474	305	230 x 255	619	414	247	636	430
EJB 241 M2	680	474	305	465 x 255	619	414	247	636	430
EJW 250	890	474	280		816	351	200	852	387
EJW 251	890	457	512		816	351	370	852	387
EJW 350	890	572	396		816	466	254	852	502
EJW 351	890	572	512		816	466	370	852	502
EJW 561	1280	806	512		1194	685	370	1236	727

Customized Electrical Equipment

EJB/EJW IEC ATEX Enclosures can be customized to meet individual requirements. Please contact Cooper Crouse-Hinds Customer Service for more information.

Possible electrical components mounted inside EJ's:

- Bus-bars; terminals; low voltage transformers; air circuit breakers; automatic circuit breakers; control and operation circuits; electronic apparatus; heating elements; associated SI apparatus; batteries with volume $< 1/100$ of the free enclosure volume; starters and ballast for discharge lamps; capacitors of 3 seconds discharge time; servomotors without ventilation

Marking to 94/9/CE

-  II 2 G - Ex d IIB T6 - T4 - T6

EC - Type Examination Certificate

- LOM 03 ATEX 2004X

T (Ambient of Use)

- -20°C to +55°C

Rated Voltage

- 690V

Rated Current

- up to 1200A

Degree of Protection

- IP65 acc. EN60529

Terminals

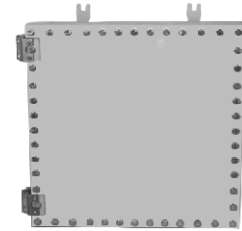
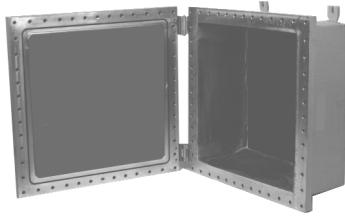
- Up to 240mm²



Applications:

EJBA enclosures are used:

- As a terminal box or bus bar system
- As junction boxes with terminals
- To enclose equipment and control devices, relays, contactors and/or instruments
- To house custom-built panels



Features:

- External flange with machined joint cover opening provides maximum opening for pulling cables or mounting equipment
- Body walls have sufficient thickness to allow for drilled and tapped entries
- Special one piece hollow neoprene gasket designed to fully compress to ensure metal to metal contact of cover and body for explosionproof integrity while giving an IP66 weatherproof seal to AS1939
- The sealing gasket is placed inward from the cover bolt holes, to prevent ingress of any moisture
- Hinges provide convenient and easy access for inspection, maintenance, and systems changes; integral cast hinges are fitted as standard on EJBA464, EJBA783, and EJBA786; aluminum hinges are also provided as standard on EJBA211710 up to EJBA361810; optional stainless steel hinges are available for sizes EJBA886 up to EJBA161608
- Entries can be drilled and tapped to customer requirements

Certifications and Complies:

Type of Protection

- Exd

Degree of Protection

- IP66

Gas Group

- IIB or IIB + H2

Approvals

- ANZEx 06.3018X

Standard Materials:

- Body and cover - cast copper-free aluminum

Standard Finish:

- EJBA2424, 2418, 211710 cover corrosion resistant grey polyurethane; remainder natural

Options:

- Grey polyurethane finish
- Captive cover screws
- Marine grade paint

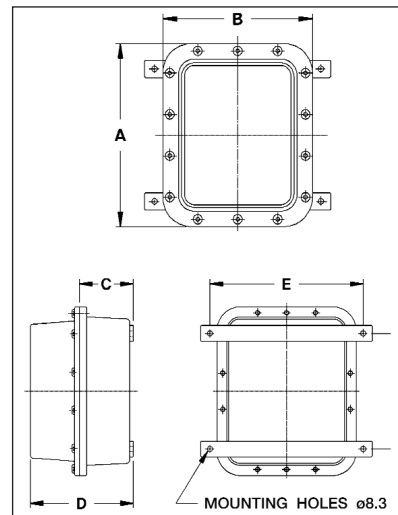
Ordering Information:

Nominal inside dimensions (mm):

Cat. #	Width	Height	Depth	Gas Group	Mounting Plate
EJBA464	150	100	100	IIB	MP0406
EJBA783	200	170	70	IIB or IIC (H2)	MP0708
EJBA786	200	170	140	IIB or IIC (H2)	MP0708
EJBA886	200	200	150	IIB or IIC (H2)	MP0808
EJBA1286	200	300	150	IIB or IIC (H2)	MP1208
EJBA9166	228	400	150	IIB or IIC (H2)	MP0916
EJBA121208	300	300	200	IIB or IIC (H2)	MP1212
EJBA161608	400	400	200	IIB or IIC (H2)	MP1616
EJBA211710	440	545	255	IIB or IIC (H2)	MP2117
EJBA241810	450	600	255	IIB or IIC (H2)	MP2418
EJBA242410	600	600	255	IIB or IIC (H2)	MP2424

Note: All drilling and tapping of entries must be carried out by the manufacturer to ensure that certification requirements are not breached. While mounting of devices such as relays, etc. can be carried out in the future if the enclosure is provided with a mounting plate, care should be taken with devices which are likely to raise the surface temperature of the enclosure.

Dimensions In Millimeters:



Dimensional Data:

Cat. #	A	B	C	D	E	F	Mtg. Screws
EJBA464	215	165	122	135	145	150	M6
EJBA783	280	240	87	115	230	192	M8
EJBA786	280	240	87	170	230	192	M8
EJBA886	280	280	180	230	140	280	M8
EJBA1286	280	380	175	225	168	305	M12
EJBA9166	305	485	175	225	242	325	M12
EJBA121208	415	415	230	285	143	395	M6
EJBA161608	516	516	230	285	242	505	M8
EJBA211710	654	545	323	355	300	610	M8
EJBA241810	595	750	295	350	413	556	M8
EJBA242410	750	750	295	350	413	708	M12

GHG64 Series Flameproof Enclosures

Ex d IIB (IIB + H₂ optional) T5-T6,
Ex ia for Zone 1, 2, 21, 22

ATEX
GOST-R
GOST-K

1E

Applications:

GHG64 Series Enclosures are used in threaded rigid conduit systems in hazardous areas:

- To function as a splice box, pull box, or equipment and device enclosure
- Indoors and outdoors

Features:

- 11 sizes (modular design) to suit your requirements with very effective power dissipation
- Ground joint (bolted) construction throughout permits use in hazardous areas
- Bodies have thick walls so they can be factory drilled and tapped to meet IEC requirements for Zone 1, 2, 21, and 22 hazardous areas
- Hinged cover with up to 110° cover opening - designed for easy maintenance
- Ambient temperature range: -20 to +40°C standard (-55 to +55°C optional)
- Rated voltage: 690V
- Rated max. current: up to 1150A

Certifications & Compliances:

- Ex d IIB (IIB + H₂ optional) T5-T6, Ex ia for Zone 1, 2, 21, 22
- ATEX Certificate: PTB 08 ATEX 1042U
- GOST-R
- GOST-K



Standard Materials:

- Bodies - die cast aluminum
- Covers - die cast aluminum

Standard Finish:

- Epoxy powder coat finish is standard inside and outside (cover is RAL7032 gray and body RAL7022 beige)

Options:

Description

- Factory installed mounting plate for relays, terminal blocks, electrical devices, etc.
- Factory installed pushbuttons, signal lamps, switchgear, rotary handles, actuators, rectangular glass windows
- Factory installed terminal blocks - up to 240 sq mm
- IIB + H₂
- IP66

Suffix

- Available upon request (please contact factory)
- Available upon request (please contact factory)
- Available upon request (please contact factory)
- Please contact factory
- Please contact factory



Size 11



Size 9



Size 6



Size 4



Size 1

Ordering Information - Ex d Light Alloy Empty Enclosures (IIB), Bolted:

Version	Power Dissipation (Tamb. = 40°C)		Weight	Dimensions		Cat. # (without hinge)	Cat. # (with hinge)
	T6	T5		L x W x D			
Size 1	94 W	134 W	10.5 kg	210 x 210 x 191 mm		GHG 640 1901 R0001	GHG 640 1901 R0013
Size 2	112 W	158 W	14.0 kg	320 x 210 x 191 mm		GHG 640 1902 R0001	GHG 640 1902 R0013
Size 3	140 W	195 W	17.0 kg	320 x 210 x 284 mm		GHG 640 1903 R0001	GHG 640 1903 R0013
Size 4	152 W	214 W	18.0 kg	320 x 320 x 191 mm		GHG 640 1904 R0001	GHG 640 1904 R0013
Size 5	197 W	280 W	21.0 kg	320 x 320 x 284 mm		GHG 640 1905 R0001	GHG 640 1905 R0013
Size 6	240 W	335 W	22.0 kg	430 x 320 x 191 mm		GHG 640 1906 R0001	GHG 640 1906 R0013
Size 7	270 W	390 W	27.0 kg	430 x 320 x 284 mm		GHG 640 1907 R0001	GHG 640 1907 R0013
Size 8	270 W	390 W	35.0 kg	430 x 430 x 284 mm		GHG 640 1908 R0001	GHG 640 1908 R0013
Size 9	390 W	430 W	53.0 kg	650 x 430 x 284 mm		GHG 640 1909 R0001	GHG 640 1909 R0013
Size 10	470 W	640 W	73.0 kg	650 x 430 x 437 mm		GHG 640 1910 R0001	GHG 640 1910 R0013
Size 11	470 W	640 W	105.0 kg	650 x 650 x 442 mm		GHG 640 1911 R0001	GHG 640 1911 R0013

Applications:

GUA junction boxes with union hubs are used in threaded rigid conduit systems in hazardous areas:

- To allow easy disassembly of conduit system
- To function as junction and pull box for multiple conductors and conduits
- Indoors or outdoors where space is limited, such as in gasoline pumps

Features:

- Supplied with union hubs, which makes it a compact assembly
- Have a variety of hub arrangements
- Covers are threaded
- Mounting straps are standard on all boxes

Certifications and Compliances:

- NEC/CEC
 - Class I, Division 1 and 2, Groups C, D
 - Class II, Division 1, Groups E, F, G
 - Class II, Division 2, Groups F, G
 - Class III
- UL Standard: 1203
- CSA standard: C22.2 No. 30

Standard Materials:

- Bodies – *Feraloy*® iron alloy
- Covers – copper-free aluminum

Standard Finishes:

- *Feraloy* iron alloy – electrogalvanized and aluminum acrylic paint
- Copper-free aluminum – natural

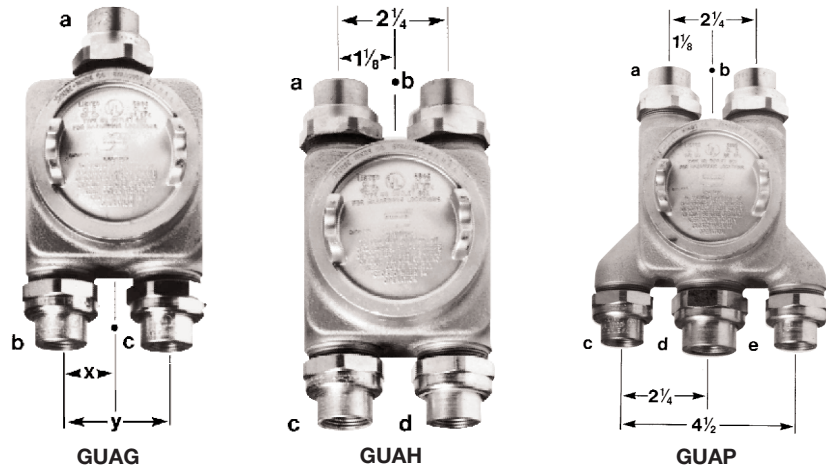
Options:

Description	Suffix
<i>Feraloy</i> iron alloy cover	WOD

Size Ranges:

- 1/2" to 1" hubs

Ordering Information With Nuts and Sleeves*



Hub Sizes		c	d	e
a	b			
1/2	1/2	1/2		
3/4	3/4	3/4		
1/2	3/4	3/4		
3/4	1/2	1/2		
3/4	1	1		
3/4	1	3/4		
1	3/4	3/4		
1	3/4	1		
1	1	1		
3/4	3/4	3/4	3/4	
3/4	3/4	3/4	3/4	3/4

Cat. # With Nuts and Sleeves*	Dimensions	
	x	y
GUAG6665 GUAG7775 GUAG6775 GUAG7665	1 1/8	2 1/4
GUAG7885 GUAG7875 GUAG8775 GUAG8785 GUAG8885	1 3/16	2 3/8
GUAH7775 GUAP77775	See GUAH above See GUAP above	

*Photo shown without standard mounting strap(s).

Outside dimensions of body: length, 33/4"; depth, 115/16" at corners, 31/8" over corners; nominal diameter of cover opening, 3"; width, 33/4".

For conduit liner ordering information, see page 850.

Applications:

GUP series junction boxes are used in threaded rigid conduit systems in hazardous areas:

- To function as a junction or pull box
- Where space is limited such as in gasoline pumps
- Indoors or outdoors

Features:

- Compact in design
- Supplied with a variety of hubs (6 hubs and 3 plugs or 10 hubs and 7 plugs)
- Cover sealed with standard "O" ring gasket for raintight enclosure

Certifications and Compliances:

- NEC/CEC
 - Class I, Division 1 and 2, Groups C, D
 - Class II, Division 1, Groups E, F, G
 - Class II, Division 2, Groups F, G
 - Class III
- UL Standard: 1203
- CSA standard C22.2 No. 30

Standard Materials:

- Bodies – *Feraloy*® iron alloy
- Covers – copper-free aluminum

Standard Finishes:

- *Feraloy* iron alloy – electrogalvanized and aluminum acrylic paint
- Copper-free aluminum – natural

Options:

Description
Feraloy iron alloy covers

Suffix
WOD

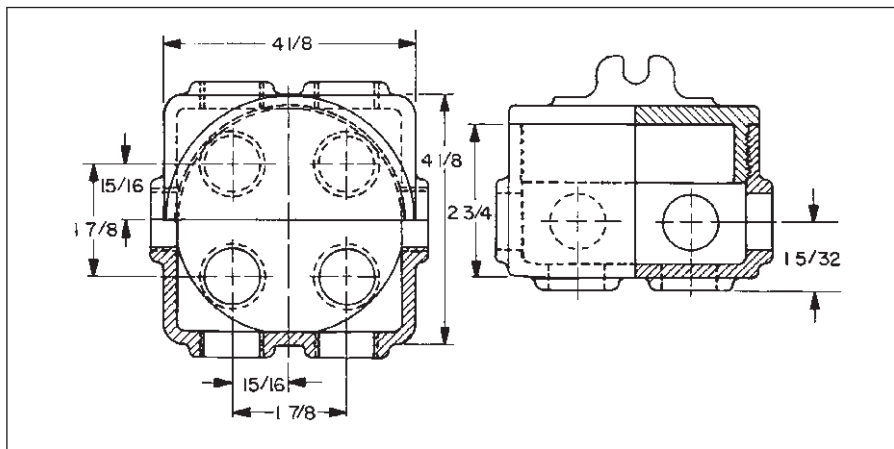


Ordering Information:

Top Hubs	Bottom Hubs	Side Hubs	Back Hubs	Cat. #
2-3/4"	2-3/4"	1-3/4"	None	GUP215*
2-3/4"	2-3/4"	1-3/4"	4-3/4"	GUP214†
2-3/4"	2-3/4"	1-3/4"	4-1"	GUP314‡

*Furnished with 3-3/4" pipe plugs.
 †Furnished with 7-3/4" pipe plugs.
 ‡Furnished with 4-3/4" pipe plugs and 3-1" pipe plugs.

Dimensions In Inches:



For conduit liner ordering information, see page 850.

Cl. I, Div. 1 and 2, Group D
 Cl. II, Div. 1, Groups E, F, G
 Cl. II, Div. 2, Groups F, G
 Cl. III

Explosionproof
 Dust-Ignitionproof

Applications:

- The EGJ series junction boxes are designed for flush installation in the concrete pump island of gasoline service stations

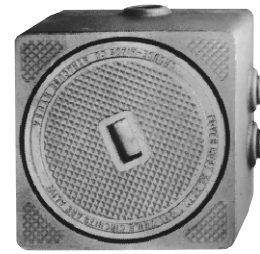
Features:

- Cover sealed with "O" ring gasket to make unit raintight
- Cover recess will accept tool used to open cover of gasoline storage tank
- Two drilled and tapped conduit entrances on the bottom and six on the sides
- Plugs are provided for the two bottom entrances and four of the side entrances for choice of conduit arrangement
- ES sealing hubs thread into the bottom to seal the mainfeed
- Caulking compound supplied for filling space between cover flange and body rim to prevent accumulation of water, dirt and ice. Compound remains pliable and is easily removed

Unused conduit entrances must be securely plugged with type PLG threaded pipe plugs to maintain flamtight conditions (see section 5F). See illustration for method of constructing seals.



EGJ421



EGJ422

Ordering Information

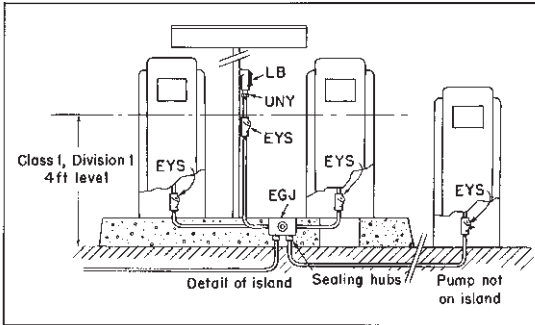
Body Size		Drilled and Tapped Conduit Entrances				Replacement Cover	
Length and Width	Depth	No. of Hubs Side	Size	No. of Hubs Back	Size	Cat. #	Cat. #
5 3/4	4 3/16	6	3/4	2	3/4	EGJ421	EGJ:10706L
7	5 9/32	6	3/4	2	1	EGJ422	EGJ:10705L

Sealing Hubs (order separately)

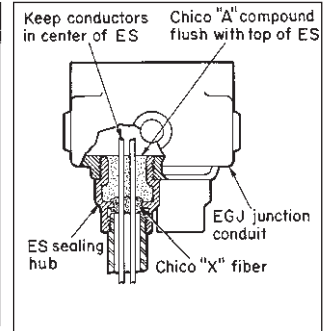
For	No.	Female Hub Size	Cat. #
EGJ421	2	1	ES53
EGJ422	2	1 1/4	ES64



Typical Installation



How to construct seal



Certifications and Compliances:

- NEC/CEC
 - Class I, Division 1 and 2, Group D
 - Class II, Division 1, Groups E, F, G
 - Class II, Division 2, Groups F, G
 - Class III
- UL Standard: 1203
- CSA Standard: C22.2 No. 30

Standard Materials:

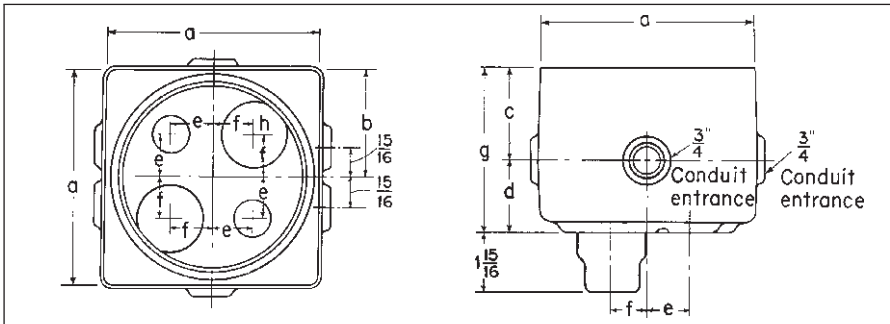
- Bodies – Feraloy® iron alloy
- Covers – copper-free aluminum

Standard Finishes:

- Feraloy iron alloy – electrogalvanized and aluminum acrylic paint
- Copper-free aluminum – natural

Dimensions

In Inches:



Cat. #	a	b	c	d	e	f	g	h
EGJ421	5 3/4	2 7/8	2 7/16	1 3/4	1 1/8	1 1/16	4 3/16	1 1/2" entry
EGJ422	7	3 1/2	3	2 9/32	1 3/8	1 3/8	5 9/32	2" entry

For conduit liner ordering information, see page 850.

Both the EGJ421 and EGJ422 junction boxes have 4 drilled and tapped conduit entrances in the back (see drawing above). The 2 larger diameter holes are for the ES Sealing Hubs and there are provisions for 2 smaller diameter conduit entrances.

Applications:

- EIH instrument enclosures are used:
- To enclose instrumentation and control devices such as two-wire transmitters, flow measurement devices, temperature controls, level detectors, pressure switches, etc.
 - As an outlet box for pulling and splicing conductors
 - In hazardous, abusive and wet locations
 - To provide access to conductors for maintenance and future system changes

Features:

- 3/4" offset through feed hubs offer maximum interior space and greater working area
- 2" and 4" deep covers, solid or with glass lens
- Internal mounting pads for instrument mounting
- Internal ground screw for safe, continuous grounding
- Neoprene gasket provides a watertight seal for NEMA/EEMAC 4 and UL/CSA Type 4 applications
- Wrenching lugs permit easy cover removal and tightening
- Internal cover threads provide additional space inside body
- External boss is suitable for drilling and tapping an additional conduit entry

Certifications and Compliances:

- NEC/CEC:
 - Class I, Division 1 & 2, Groups B†, C, D
 - Class II, Division 1, Groups E, F, G
 - Class II, Division 2, Groups F, G
 - Class III
- NEMA/EEMAC: 3, 4, 4X, 7BCD, 9EFG
- UL Standard: 1203
- CSA Standard: C22.2 No. 30
- FM Classification No.: 3615
- ATEX Certificate KEMA 02 ATEX 2265U (requires ATEX suffix)
- IEC Standards EN:60079-0, EN:60079-1, EN:60529

Standard Materials:

- Body and cover – copper-free aluminum
- Glass lens – heat tempered glass
- Gasket – neoprene

Standard Finishes:

- Corro-free™ epoxy powder coat (gray)

Options:

- | Description | Suffix |
|---|--------|
| Cast mounting feet..... | MF |
| Natural finish - Consult Cooper Crouse-Hinds | |
| Additional drilled and tapped opening in external boss: | |
| 1/2" | 1 |
| 3/4" | 2 |
| With ATEX certification..... | ATEX |



EIH22



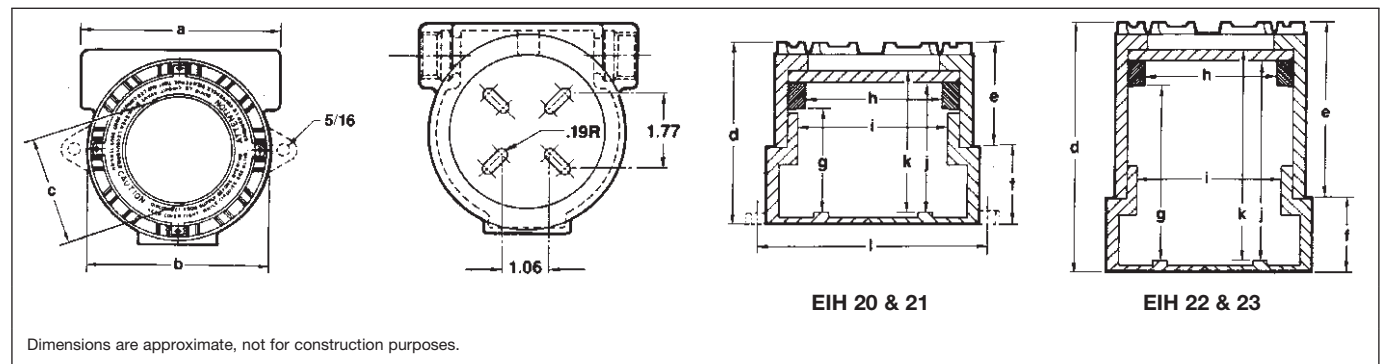
EIH21

Ordering Information:

Hub Size*	Description	Cat. #
3/4"	Body with 2" standard cover	EIH20
3/4"	Body with 2" glass lens cover	EIH21
3/4"	Body with 4" dome cover	EIH22
3/4"	Body with 4" glass lens dome cover	EIH23

*For 1/2" hub size, use RE21-SA.

Dimensions In Inches:



Cat. #	a	b	c	d	e	f	g	h	i	j	k	l
EIH20	5.00	4.25	—	4.54	2.60	1.94	—	—	3.62	—	3.34	5.25
EIH21	5.00	4.25	2.60	4.54	2.60	1.94	2.75	2.73	3.62	3.10	—	5.25
EIH22	5.00	4.25	—	6.54	4.60	1.94	—	—	3.62	—	5.34	5.25
EIH23	5.00	4.25	2.60	6.54	4.60	1.94	4.68	2.73	3.62	5.03	—	5.25

† For Group B applications, seal within 1/2" of enclosure in accordance with Sections 501-5 of the National Electrical Code® as well as any other applicable codes.

Cl. I, Div. 1 & 2, Groups B, C, D
 Cl. II, Div. 1, Groups E, F, G
 Cl. II, Div. 2, Groups F, G
 Cl. III
 NEMA 3, 4, 7BCD, 9EFG

Explosionproof
 Dust-Ignitionproof
 Raintight
 Wet Locations
 Watertight

Applications:

- EIHT instrument enclosures are used:
 - To enclose instrumentation and control devices such as two-wire transmitters, flow measurement devices, temperature controls, level detectors, pressure switches, etc.
 - As an outlet box for pulling and splicing conductors
 - In hazardous, abusive and wet locations
 - To provide access to conductors for maintenance and future system changes

Features:

- 3/4" offset through feed hubs offer maximum interior space and greater working area
- 2" and 4" deep covers, solid or with glass lens
- Internal mounting pads for instrument mounting
- Internal ground screw for safe, continuous grounding
- Neoprene gasket provides a watertight seal for NEMA/EEMAC 4 and UL/CSA Type 4 applications
- Wrenching lugs permit easy cover removal and tightening
- Internal cover threads provide additional space inside body
- External boss is suitable for drilling and tapping an additional conduit entry
- Two separate chambers for isolation of power supply and instrument
- 3/4" hub on instrument side
- Third party certified for drilling enclosure wall between instrument and power side

Certifications and Complies:

- NEC/CEC:
 - Class I, Division 1 & 2, Groups B†, C, D
 - Class II, Division 1, Groups E, F, G
 - Class II, Division 2, Groups F, G
 - Class III
- NEMA/EEMAC: 3, 4, 7BCD, 9EFG
- UL Standard: 1203
- CSA Standard: C22.2 No. 30
- FM Classification No.: 3615
- IEC Standards EN:60079-0, EN:60079-1, EN:60529

Standard Materials:

- Body and cover – copper-free aluminum
- Glass lens – heat tempered glass
- Gasket – neoprene

Standard Finishes:

- Corro-free™ epoxy powder coat (gray)

Options:

Description	Suffix
Additional drilled and tapped opening in external boss:	
1/2"	1
3/4"	2
Natural finish.....	Consult Cooper Crouse-Hinds

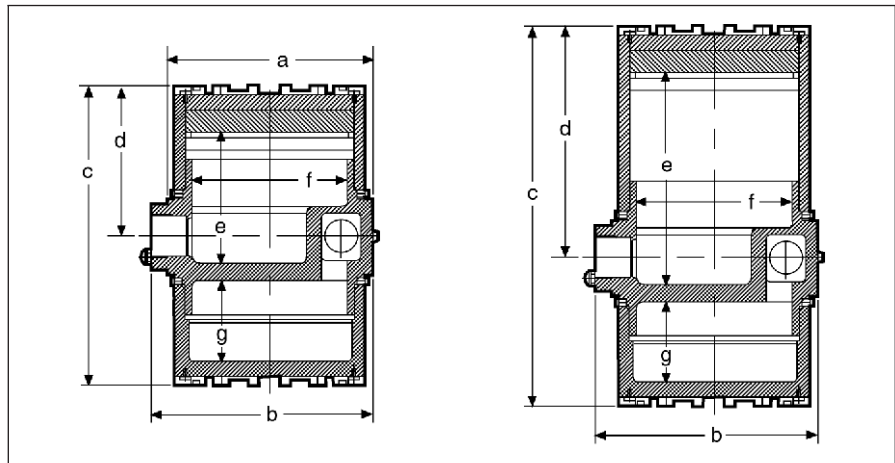


Ordering Information:

Hub Size*	Description	Cat. #
3/4	2" Blank Cover - Power Side	EIHT200
	2" Blank Cover - Instrument Side	
3/4	2" Blank Cover - Power Side	EIHT210
	2" Glass Lens Cover - Instrument Side	
3/4	2" Blank Cover - Power Side	EIHT220
	4" Blank Cover - Instrument Side	
3/4	2" Blank Cover - Power Side	EIHT230
	4" Glass Lens Cover - Instrument Side	

Dimensions

In Inches:



Cat. #	a	b	c	d	e	f	g
EIHT200	4.75	5.19	6.95	3.48	3.15	3.56	1.87
EIHT210	4.75	5.19	6.95	3.48	3.15	3.56	1.87
EIHT220	—	5.19	8.95	5.48	5.15	3.56	1.87
EIHT230	—	5.19	8.95	5.48	5.15	3.56	1.87

*For 1/2" hub size, use RE21-SA.

Applications:

GUB instrument housings are used:

- To enclose ammeters, voltmeters, wattmeters, varimeters, power-factor meters, tachometer indicators, pressure controls, temperature control etc., in a threaded rigid metallic conduit system
- In specific hazardous atmospheres such as encountered in oil refineries, chemical plants, paint and varnish manufacturing plants, certain hazardous metal finishing areas, coal processing locations, granaries and grain processing plants

Features:

- Threaded covers have glass windows for viewing scale, dial or setting of enclosed instrument.
- Mounting plates, brackets or pillars for mounting a wide variety of instruments not shown on the next page are available on special order. Instrument to be used must be specified by make, complete identification data and dimensions.

Certifications and Compliances:

- NEC/CEC:
 - Class I, Division 1 & 2, Group D
 - Class II, Division 1, Groups E, F, G
 - Class II, Division 2, Groups F, G
 - Class III
- NEMA/VEEMAC: 3, 7D, 9EFG, 12
- UL Standard: 1203
- CSA Standard: C22.2 No. 30
- IEC Standards: EN60079-0, EN60079-1
- Ex II 2 G Ex d IIC Gb
- PTB 01 ATEX 1019 U

Standard Materials:

- Body – Feraloy® iron alloy
- Cover – copper-free aluminum
- Window – heat strengthened plate glass

Standard Finishes:

- Feraloy iron alloy – electrogalvanized and aluminum acrylic paint
- Copper-free aluminum – natural

Options:

Description	Suffix
Other conduit opening sizes and arrangements can be furnished	
For 3/4" hub top and bottom	22
With ATEX Component Certification	ATEX



GUB01 shown with GUB0110 glass cover GUB04 shown with GUB0109 glass cover



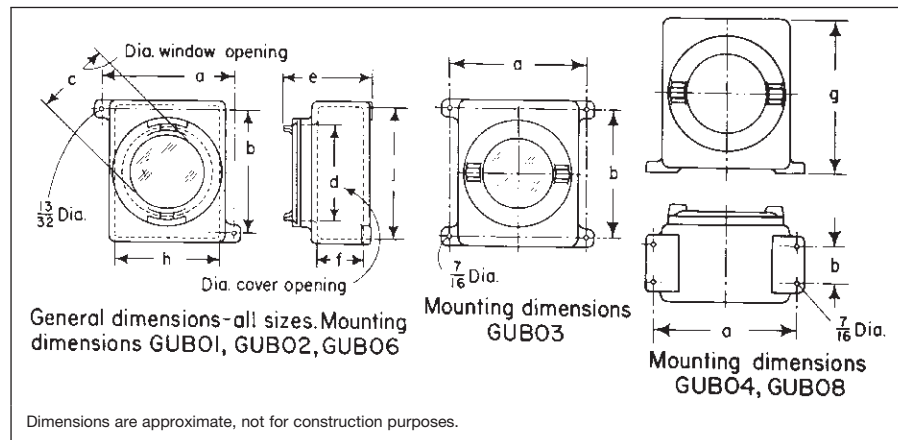
GUB03 shown with GUB0109 glass cover

Ordering Information - Empty Housing

Basic Housing	Conduit Opening		Cat. #
	Size	Position	
GUB01	3/4	Top	GUB110 1 20
		Bottom	GUB110 1 02
GUB02	3/4	Top	GUB218 1 20
		Bottom	GUB218 1 02
GUB06	3/4	Top	GUB619 1 20
		Bottom	GUB619 1 02
GUB03	3/4	Top	GUB319 1 20
		Bottom	GUB319 1 02

Dimensions

In Inches:



GUB	a	b	c	d	e	f	g	h	j
1	7 1/2	5 3/4	3 3/8	5 1/2	5 3/4	3		5 7/8	6 1/2
2	9	8 3/4	4 3/4	7	6	3		7 1/8	9 1/8
3	12 1/8	10 3/4	6 13/16	9 5/8	8 5/16	5		9 3/4	10 3/4
4	12 1/8	3 1/2	6 3/16	9 5/8	8 3/16	5	12 1/4	9 3/4	10 3/4
6	9 1/2	8 3/4	4 3/4	7	7	4		7 5/8	9 1/8
8	9 5/8	2 1/2	4 3/4	7	6 5/16	4	10 1/4	7 5/8	9 1/8

Cl. I, Div. 1 & 2, Group D Explosionproof
 Cl. II, Div. 1, Groups E, F, G Dust-Ignitionproof
 Cl. II, Div. 2, Groups F, G Raintight/Wet Locations
 Class III Watertight
 NEMA 3, 7D, 9EFG, 12

Ordering Information - Housing with Mounting Plate for Standard Meters

Inst. Size	Basic Housing	Cat. #
3½	GUB01	GUB1103 1 20* GUB11031 1 20
4	GUB06	GUB6191 1 20 GUB6192 1 20 GUB6193 1 20
4½	GUB02	GUB2184 1 20*
6	GUB03	GUB3190 1 20* GUB3191 1 20

*These boxes available for use in Class I, Division 1 and 2, Group B and C hazardous areas. Add suffix GB to Cat. No. Seals must be installed within 1½" of each conduit opening for Group B & C usages.

Note: These standard instrument housings are furnished with one top feed ½" drilled and tapped opening.

Note: Meters are not included.

Ordering Information - Housing with Standard Meter Included†

Manufacturer	Model	Inst. Size in.	Type Flange	Cat. #	Max. Inst. Depth‡
G.E.	Type 250	3½	Rect. Flush	GUB1103 1 20*	
Westinghouse	R-351 Series	3½	Rect. Flush		
	N-351 Series	3½	Round Flush		
Weston	301 Series	3½	Rect. Flush		
	301 Series	3½	Round Flush		
	723	3½	Rect. Flush		
G.E.	KT-11 Elapsed Time Meter Without Reset	3½	Round Flush or Rect.Flush	GUB11031 1 20	
	236 Elapsed Time Meter Without Reset	3½	Round Flush or Rect.Flush		
Westinghouse	BH351 Elapsed Time Meter Without Reset	3½	Rect. Flush		
G.E.	Type 250	4½	Rect. Flush	GUB2184 1 20*	
Westinghouse	R-371 Series	4½	Rect. Flush		
	N-371 Series	4½	Round Flush		
Weston	1900 Series	4½	Rect. Flush		
Westinghouse	KX-251	6	Rect.	GUB3190 1 20*	
	KA-251	6	Rect.		
	KY-25	6	Rect.		
Weston	271	7	Fan	GUB3191 1 20	
	273	9	Fan		
G.E.	AB-14 Series	4	Rect. Flush	GUB6191 1 20 GUB6192 1 20 GUB6193 1 20	4 ⁹ / ₁₆ 6 ¹ / ₁₆ 7 ¹¹ / ₁₆
	DB-14 Series	4	Rect. Flush		
	AB-18 Series	4	Rect. Flush		
	DB-18 Series	4	Rect. Flush		
	AB-30 Series	4	Rect. Flush		
	DB-30 Series	4	Rect. Flush		
	AB-40 Series	4	Rect. Flush		
DB-40 Series	4	Rect. Flush			
Westinghouse	K-241 Series	4½	Rect. Flush		

†Standard meters are to be purchased separately from manufacturers listed.

‡Select housing based on depth of instrument to be enclosed.

*These boxes available for use in Class I, Division 1 and 2, Group B and C hazardous areas. Add suffix GB to Cat. No. Seals must be installed within 1½" of each conduit opening for Group B & C usages.

Applications:

GUBA instrument housings are used:

- To enclose ammeters, voltmeters, wattmeters, varimeters, power-factor meters, tachometer, or other indicating devices
- In specific hazardous atmospheres such as encountered in oil refineries, chemical plants, paint and varnish manufacturing plants

Features:

- Threaded covers have glass windows for viewing scale, dial, or setting of enclosed instrument
- Mounting plates, brackets, or pillars for mounting a wide variety of instruments are available

Certifications & Compliances:

- Certificate of Compliance No. Ex262 to AS2480
- IP66 to AS1939

Standard Materials:

- Body - copper-free aluminum
- Cover - copper-free aluminum
- Window - toughened

Standard Finish:

- Light grey corrosion resistant polyurethane

Options:

- Other conduit hub sizes and arrangements can be furnished
- Meter - 90° quadrant or 250° long scale

Notes:

- 1) Accommodates any make of meter styles 96Q or 96L
- 2) Instrument to be used must be specified by make, complete identification data, and dimensions

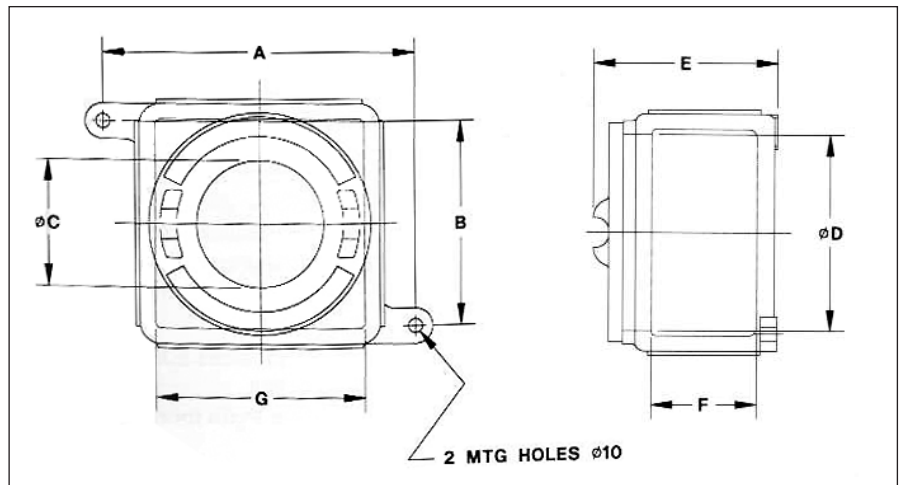


Ordering Information:

Basic Housing	Entry Size	Position	Cat. #
GUBA01	25mm	Top	GUBA 1103-1-20
GUBA01	25mm	Bottom	GUBA 1103-1-02

Dimensions

In Millimeters:



A	B	C	D	E	F	G
195	145	93	140	135	77	145

Applications:

EMH instrument housings are used:

- To enclose 2½" or 3½" diameter round, flush rim-mounting meters, whose scale or dial would be visible in the 2⅝" diameter glass window. Typical types of instruments or meters are ammeters, voltmeters, etc.
- In specific hazardous atmospheres such as encountered in oil refineries, chemical plants, paint and varnish manufacturing plants, certain hazardous metal finishing areas, coal processing locations, granaries and grain processing plants

Features:

- Sight-glass in cover permits viewing of instrument dial or setting.
- Enclosures are non-magnetic, available in surface mounting and flush panel mounting. The cylindrical extension of the cover opening on the flush bodies will project through a hole in panel. Thickness of panel must not exceed ¼" to insure flamtight assembly of cover threads with body threads.
- Mounting plates and posts in bodies support the instrument close to the heavy glass window in cover. Maximum depth of instrument extending from outboard end of posts towards the back wall of enclosure body is 3". There is ample wiring space in back of instruments.
- Bodies have bosses on all four sides and back for drilling and tapping of conduit entrances.
- Dead end and through feed arrangements for ¾" rigid conduit are standard listings.

Certifications and Compliances:

- NEC/CEC:
 - Class I, Division 1 & 2, Group D
 - Class II, Division 1, Groups E, F, G
 - Class II, Division 2, Groups F, G
 - Class III
- NEMA/EEMAC: 3, 7D, 9EFG, 12
- UL Standard: 886
- CSA Standard: C22.2 No. 30

Standard Materials:

- Bodies – copper-free aluminum
- Covers – copper-free aluminum
- Windows – heat strengthened plate glass

Standard Finishes:

- Natural

Instrument Housings

Style	Conduit Openings	Size	Cat. #
Surface	One in Side (Dead End)	¾"	EMH521 20000
			EMH533 20000
	Two in Sides (Through Feed)		EMH521 20200 EMH533 20200
Flush	One in Side (Dead End)	¾"	EMH511 20000
			EMH534 20000
	Two in Sides (Through Feed)		EMH511 20200 EMH534 20200

Standard Meters

Housed in EMH511, EMH521†

Manufacturer	Model	Size
Weston	201 Series	2½"
	301 Series	3½"
Westinghouse	N-351 Series	3½"
	125 Series	2½"
	135 Series	
	145 Series	
155 Series		
Simpson	25 Series	3½"
	35 Series	
	45 Series	
	55 Series	
	75 Series	
	3222 Series	
3282 Series		
3223 Series		
	3283 Series	3½"

†Type-Round Flush

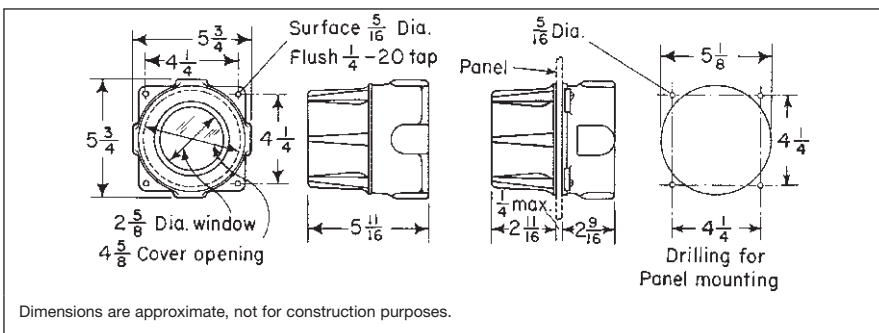
Standard Meters

Housed in EMH533, EMH534

Manufacturer	Model	Size	Type
G.E.	AW-91 Series	2½"	Rect. Flush
	DW-91 Series		
Weston	201 Series	2½"	Square Flush
	1721 Series		Rect. Flush

Dimensions

In Inches:



Flush



Surface

Options:

- Other conduit hub sizes and arrangements can be furnished.

Increased Safety Hazardous Applications or Non-hazardous Applications

Description	Page No.
Ex-CELL Series	see pages 752–758
NXT Series	see pages 761–763
STB Series	see pages 766–770
HVB Series	see pages 772–774
KBX Series	see page 775
TBX Series	see pages 776–778

Ex-CELL Stainless Steel and Painted Steel Enclosures

High performance, high reliability enclosures for global applications

Cl. I, Div. 2, Groups A,B,C,D†
cULus to UL50 / C22.2 No. 94-M91
ATEX and IECEX Certified
GOST-R, GOST-K, and KOSHA
Certified

Type 3S, 4, 4X
IP66

Applications:

Cooper Crouse-Hinds® Ex-CELL Enclosures are manufactured to meet the most demanding industrial and hazardous area environmental applications. The Ex-CELL Series is a globally certified enclosure and termination solution for Type 3S and 4X applications. They are certified to the impact, thermal, and IP66 ingress requirements of EN 60079-0.

- Ex-CELL Enclosures are available in a comprehensive range of sizes, each with various configurations for a multitude of applications.
- The Ex-CELL Series offers unique design features, precision manufacturing, and the highest quality materials, making it the premier choice for instrumentation and electrical applications across the globe.

The Ex-CELL product line has been expanded to include:

- Over 100 standard sizes in both stainless steel and painted steel
- Single door enclosures up to 63" x 48" x 16"
- XXL double door enclosures – 5 sizes up to 72" X 72" X 24". The only XXL enclosure in the world with ATEX approval!
- Gangable enclosures up to 48" x 96" x 12"
- Flush mount enclosures
- Eagle enclosures with a sloped, water-shedding design

Certifications and Compliances:

- Class I, Division 2, Groups A, B, C, D†
- cULus to UL50 / C22.2 No. 94-M91, Types 3S, 4, 4X
- ATEX II 2 GD Ex e II T6 IP66 (PTB02ATEX1014) for Zone 1, 2 and 21
- IECEX Ex e (IECEX BK1 08.0001U)
- GOST-R, GOST-K, and KOSHA Certified
- Ex e ia IIC, T6, T5

Materials and Finishes:

Enclosure Options:

- 316L (1.4404 to EN 10088) Stainless Steel (standard)
- 304 (1.4301 to EN 10088) Stainless Steel (optional)
- RAL 7032 Painted Steel

Enclosure Finish:

- Superior corrosion-resistant "chromium enriched" electro-polished surface**

Gasket:

- High-integrity "one piece" foam-in place polyurethane gasket

Keyed Lock Fastening Mechanism:

- Chromium-plated zinc metal die cast

Door Hardware:

- Stainless steel hinges on door

Enclosure Mounting:

- 4 x external 3mm stainless steel welded lugs, 11mm Ø holes / slots

Equipment Mounting:

- 4 x stand-off pillars 9mm Ø, 25mm high, tapped M6 x 10, for rail / mounting plate

Enclosure Earth:

- M10 external and internal brass earth stud assembly

Mounting Plate:

- 2mm sheet steel with zintec finish (available in stainless steel)

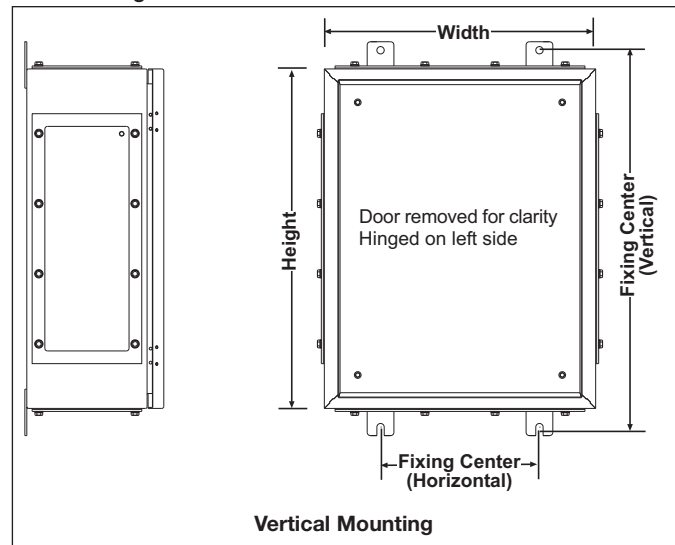
Technical Specifications:

- Operating Temperature: -20°C to +60°C (see Options section for optional silicone gasket with -55°C to +55°C operating temperature)
- Impact Resistance: 7 J (Nm)

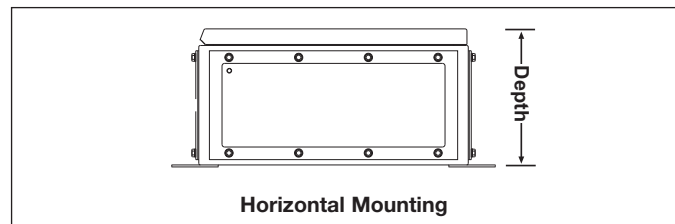


Mounting Information

See Ordering Information for measurements



Vertical Mounting



Horizontal Mounting

†When terminal blocks or approved Class I, Division 2 devices are installed within the enclosure in accordance with NEC/CEC requirements. These enclosures are NOT explosionproof and will NOT contain an explosion. Installation of arcing and sparking devices which are not Class I, Division 2 rated or higher is NOT PERMITTED.

**Available on stainless steel enclosures only.

Ex-CELL Stainless Steel and Painted Steel Enclosures

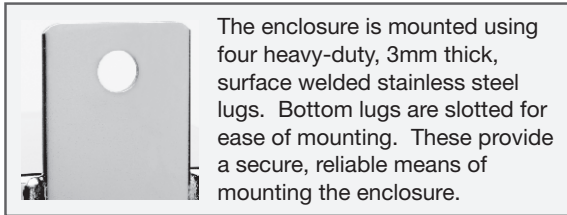
High performance, high reliability enclosures for global applications

Cl. I, Div. 2, Groups A,B,C,D†
cULus to UL50 / C22.2 No. 94-M91
ATEX and IECEx Certified
GOST-R, GOST-K, and KOSHA Certified

Type 3S, 4, 4X
IP66

2E

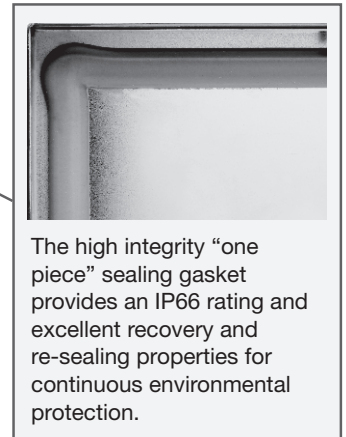
Features



The enclosure is mounted using four heavy-duty, 3mm thick, surface welded stainless steel lugs. Bottom lugs are slotted for ease of mounting. These provide a secure, reliable means of mounting the enclosure.



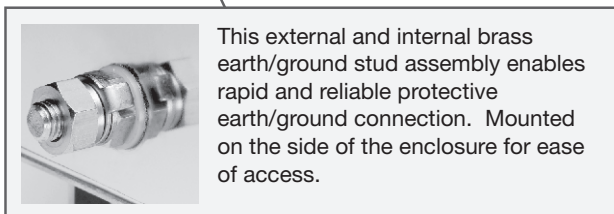
Available with up to 4 gland plates (3mm thick) on each side. Five possible combinations of 0, 1, 2, 3, or 4 gland plates available. All sealed to IP66 rating by a high integrity Chloroprene gasket and secured by rapid fixing "Hytork" fixing bolts.



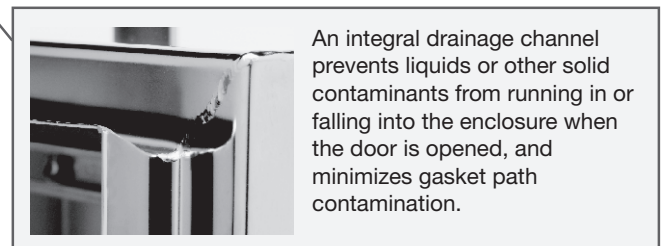
The high integrity "one piece" sealing gasket provides an IP66 rating and excellent recovery and re-sealing properties for continuous environmental protection.



The standard cover features a 1/4 turn keyed lock fastening mechanism that provides a rapid means of achieving an IP66 rated seal for reliable environmental protection. Bolted cover and padlockable cover also available.



This external and internal brass earth/ground stud assembly enables rapid and reliable protective earth/ground connection. Mounted on the side of the enclosure for ease of access.



An integral drainage channel prevents liquids or other solid contaminants from running in or falling into the enclosure when the door is opened, and minimizes gasket path contamination.

†When terminal blocks or approved Class 1, Division 2 devices are installed within the enclosure in accordance with NEC/CEC requirements. These enclosures are NOT explosionproof and will NOT contain an explosion. Installation of arcing and sparking devices which are not Class 1, Division 2 rated or higher is NOT PERMITTED.

2E

Ex-CELL Stainless Steel and Painted Steel Enclosures

High performance, high reliability enclosures for global applications

Cl. I, Div. 2, Groups A,B,C,D† Type 3S, 4, 4X
 cULus to UL50 / C22.2 No. 94-M91 IP66
 ATEX and IECEx Certified
 GOST-R, GOST-K, and KOSHA Certified

Ordering Information:

Catalog numbers below are for stainless steel enclosures with 1 gland plate. Ex-CELL Enclosures are available in a variety of materials and configurations. To customize, utilize the following ordering boxes.

ORDERING EXAMPLE:					ENCLOSURE TYPE:	
XLV	S1	090605	1	-	XLV	Standard Ex-CELL Enclosure; North American version with vertical lugs
					XLH	Standard Ex-CELL Enclosure; European version with horizontal lugs
					XXL	Large Ex-CELL Enclosure
					XLE	Ex-CELL Eagle Enclosure with sloping top
					XLF	Ex-CELL Flush Mount Enclosure
MATERIAL:		NUMBER OF GLAND PLATES:			OPTIONS† (add suffix after No. of Gland Plates):	
S1	316L Stainless Steel Grade	0	No gland plates		XLNPAHASP	Padlockable hasp (field-installable)
S2	304 Stainless Steel Grade*	1	Bottom gland plate only (STANDARD)		B	Cover fixed with hinges and bolts instead of ¼ turn fasteners
PS	RAL 7032 Painted Steel*	2	Top and bottom gland plates		Consult Factory	Rain / Deluge Canopy ID Tag - Label and Bracket Continuous Hinge Enclosure painted with RAL color chip specs
		3	Bottom and side gland plates		See Accessories Page	Locking Cover Hardware Ground Stud Kits Stand-off Pillars
		4	Top, bottom, and side gland plates			Drawing Pockets Window Kit

XLV Enclosures with Vertical Mounting Feet

Enclosure Size (In.) § (H x W x D)	Catalog Number	Fixing Center Vertical (In.)	Fixing Center Horizontal (In.)	Zinc Coated Steel Mounting Plate Catalog Number††
9 x 6 x 5	XLVS10906051	10.24	3.50	XLH2TMP2315
10 x 8 x 4	XLVS11008041	11.41	5.50	XLH2TMP2620
10 x 8 x 6	XLVS11008061	11.41	5.50	XLH2TMP2620
10 x 10 x 6	XLVS11010061	11.41	7.67	XLH2TMP2626
12 x 10 x 5	XLVS11210051	13.23	7.67	XLH2TMP3026
12 x 8 x 6	XLVS11208061	13.23	5.50	XLH2TMP3020
12 x 10 x 6	XLVS11210061	13.23	7.67	XLH2TMP3026
12 x 12 x 6	XLVS11212061	13.23	9.49	XLH2TMP3030
12 x 12 x 8	XLVS11212081	13.23	9.49	XLH2TMP3030
12 x 12 x 10	XLVS11212101	13.23	9.49	XLH2TMP3030
16 x 12 x 6	XLVS11612061	17.25	9.49	XLH2TMP4030
16 x 12 x 8	XLVS11612081	17.25	9.49	XLH2TMP4030
16 x 12 x 10	XLVS11612101	17.25	9.49	XLH2TMP4030
16 x 14 x 8	XLVS11614081	17.25	9.49	XLH2TMP4035
16 x 16 x 6	XLVS11616061	17.25	10.00	XLH2TMP4040
16 x 16 x 8	XLVS11616081	17.25	10.00	XLH2TMP4040
16 x 16 x 10	XLVS11616101	17.25	10.00	XLH2TMP4040
16 x 16 x 12	XLVS11616121	17.25	10.00	XLH2TMP4040
16 x 20 x 6	XLVS11620061	17.25	14.00	XLH2TMP4050
16 x 20 x 8	XLVS11620081	17.25	14.00	XLH2TMP4050
16 x 20 x 10	XLVS11620101	17.25	14.00	XLH2TMP4050
16 x 20 x 12	XLVS11620121	17.25	14.00	XLH2TMP4050
20 x 16 x 6	XLVS12016061	21.26	10.00	XLH2TMP5040
20 x 16 x 8	XLVS12016081	21.26	10.00	XLH2TMP5040
20 x 16 x 10	XLVS12016101	21.26	10.00	XLH2TMP5040
20 x 16 x 12	XLVS12016121	21.26	10.00	XLH2TMP5040
20 x 20 x 6	XLVS12020061	21.26	14.00	XLH2TMP5050
20 x 20 x 8	XLVS12020081	21.26	14.00	XLH2TMP5050
20 x 20 x 10	XLVS12020101	21.26	14.00	XLH2TMP5050
20 x 20 x 12	XLVS12020121	21.26	14.00	XLH2TMP5050
20 x 24 x 8	XLVS12024081	21.26	18.00	XLH2TMP5060
20 x 24 x 10	XLVS12024101	21.26	18.00	XLH2TMP5060
20 x 24 x 12	XLVS12024121	21.26	18.00	XLH2TMP5060
24 x 16 x 6	XLVS12416061	25.24	10.00	XLH2TMP6040
24 x 16 x 8	XLVS12416081	25.24	10.00	XLH2TMP6040
24 x 16 x 10	XLVS12416101	25.24	10.00	XLH2TMP6040
24 x 16 x 12	XLVS12416121	25.24	10.00	XLH2TMP6040
24 x 20 x 6	XLVS12420061	25.24	14.00	XLH2TMP6050
24 x 20 x 8	XLVS12420081	25.24	14.00	XLH2TMP6050
24 x 20 x 10	XLVS12420101	25.24	14.00	XLH2TMP6050
24 x 20 x 12	XLVS12420121	25.24	14.00	XLH2TMP6050

*For a 304 stainless steel enclosure, change S1 to S2 in catalog number (i.e. XLVS10906051 becomes XLVS20906051).
 †For a RAL 7032 painted steel enclosure, change S1 to PS in catalog number (i.e. XLVS10906051 becomes XLVPS0906051). Consult factory for other RAL colors
 § Enclosure sizes are H x W x D. 20 inch deep enclosures available - consult factory.
 †See Options and Accessories pages for more information.
 ††Fits enclosures with both vertical or horizontal mounting feet. For stainless steel or painted steel mounting plates, consult factory.

Ex-CELL Stainless Steel and Painted Steel Enclosures

High performance, high reliability enclosures for global applications

Cl. I, Div. 2, Groups A,B,C,D† Type 3S, 4, 4X
 cULus to UL50 / C22.2 No. 94-M91 IP66
 ATEX and IECEx Certified
 GOST-R, GOST-K, and KOSHA Certified

2E

2E

Enclosure Size (In.) § (H x W x D)	Catalog Number	Fixing Center Vertical (In.)	Fixing Center Horizontal (In.)	Zinc Coated Steel Mounting Plate Catalog Number††
24 x 24 x 6	XLVS12424061	25.24	18.00	XLH2TMP6060
24 x 24 x 8	XLVS12424081	25.24	18.00	XLH2TMP6060
24 x 24 x 10	XLVS12424101	25.24	18.00	XLH2TMP6060
24 x 24 x 12	XLVS12424121	25.24	18.00	XLH2TMP6060
24 x 24 x 16	XLVS12424161	25.24	18.00	XLH2TMP6060
24 x 30 x 8	XLVS12430081	25.24	24.00	XLH2TMP6076
24 x 30 x 10	XLVS12430101	25.24	24.00	XLH2TMP6076
24 x 30 x 12	XLVS12430121	25.24	24.00	XLH2TMP6076
24 x 30 x 16	XLVS12430161	25.24	24.00	XLH2TMP6076
30 x 20 x 8	XLVS13020081	31.26	14.00	XLH2TMP7650
30 x 20 x 10	XLVS13020101	31.26	14.00	XLH2TMP7650
30 x 20 x 12	XLVS13020121	31.26	14.00	XLH2TMP7650
30 x 24 x 8	XLVS13024081	31.26	18.00	XLH2TMP7660
30 x 24 x 10	XLVS13024101	31.26	18.00	XLH2TMP7660
30 x 24 x 12	XLVS13024121	31.26	18.00	XLH2TMP7660
30 x 24 x 16	XLVS13024161	31.26	18.00	XLH2TMP7660
30 x 30 x 8	XLVS13030081	31.26	24.00	XLH2TMP7676
30 x 30 x 10	XLVS13030101	31.26	24.00	XLH2TMP7676
30 x 30 x 12	XLVS13030121	31.26	24.00	XLH2TMP7676
30 x 30 x 16	XLVS13030161	31.26	24.00	XLH2TMP7676
32 x 24 x 8	XLVS13224081	33.11	18.00	XLH2TMP8060
32 x 24 x 10	XLVS13224101	33.11	18.00	XLH2TMP8060
32 x 24 x 12	XLVS13224121	33.11	18.00	XLH2TMP8060
32 x 24 x 16	XLVS13224161	33.11	18.00	XLH2TMP8060
32 x 32 x 8	XLVS13232081	33.11	27.56	XLH2TMP8080
32 x 32 x 10	XLVS13232101	33.11	27.56	XLH2TMP8080
32 x 32 x 12	XLVS13232121	33.11	27.56	XLH2TMP8080
32 x 32 x 16	XLVS13232161	33.11	27.56	XLH2TMP8080
36 x 24 x 8	XLVS13624081	37.25	18.00	XLH2TMP9060
36 x 24 x 10	XLVS13624101	37.25	18.00	XLH2TMP9060
36 x 24 x 12	XLVS13624121	37.25	18.00	XLH2TMP9060
36 x 24 x 16	XLVS13624161	37.25	18.00	XLH2TMP9060
36 x 30 x 8	XLVS13630081	37.25	24.00	XLH2TMP9076
36 x 30 x 10	XLVS13630101	37.25	24.00	XLH2TMP9076
36 x 30 x 12	XLVS13630121	37.25	24.00	XLH2TMP9076
36 x 30 x 16	XLVS13630161	37.25	24.00	XLH2TMP9076
36 x 36 x 8	XLVS13636081	37.25	30.00	XLH2TMP9090
36 x 36 x 10	XLVS13636101	37.25	30.00	XLH2TMP9090
36 x 36 x 12	XLVS13636121	37.25	30.00	XLH2TMP9090
36 x 36 x 16	XLVS13636161	37.25	30.00	XLH2TMP9090
40 x 24 x 8	XLVS14024081	40.95	18.00	XLH2TMP10060
40 x 24 x 10	XLVS14024101	40.95	18.00	XLH2TMP10060
40 x 24 x 12	XLVS14024121	40.95	18.00	XLH2TMP10060
40 x 24 x 16	XLVS14024161	40.95	18.00	XLH2TMP10060
40 x 32 x 8	XLVS14032081	40.95	27.56	XLH2TMP10080
40 x 32 x 10	XLVS14032101	40.95	27.56	XLH2TMP10080
40 x 32 x 12	XLVS14032121	40.95	27.56	XLH2TMP10080
40 x 32 x 16	XLVS14032161	40.95	27.56	XLH2TMP10080
40 x 40 x 8	XLVS14040081	40.95	35.43	XLH2TMP100100
40 x 40 x 10	XLVS14040101	40.95	35.43	XLH2TMP100100
40 x 40 x 12	XLVS14040121	40.95	35.43	XLH2TMP100100
40 x 40 x 16	XLVS14040161	40.95	35.43	XLH2TMP100100
48 x 24 x 10	XLVS14824101	48.81	18.00	XLH2TMP12060
48 x 24 x 12	XLVS14824121	48.81	18.00	XLH2TMP12060
48 x 24 x 16	XLVS14824161	48.81	18.00	XLH2TMP12060
48 x 32 x 10	XLVS14832101	48.81	27.56	XLH2TMP12080
48 x 32 x 12	XLVS14832121	48.81	27.56	XLH2TMP12080
48 x 32 x 16	XLVS14832161	48.81	27.56	XLH2TMP12080
48 x 36 x 10	XLVS14836101	48.81	30.00	XLH2TMP12090
48 x 36 x 12	XLVS14836121	48.81	30.00	XLH2TMP12090
48 x 36 x 16	XLVS14836161	48.81	30.00	XLH2TMP12090
48 x 40 x 12	XLVS14840121	48.81	35.43	XLH2TMP120100
48 x 40 x 16	XLVS14840161	48.81	35.43	XLH2TMP120100
48 x 48 x 12	XLVS14848121	48.81	43.30	XLH2TMP120120
48 x 48 x 16	XLVS14848161	48.81	43.30	XLH2TMP120120
60 x 36 x 12	XLVS16036121	61.57	30.00	XLH2TMP15290
60 x 36 x 16	XLVS16036161	61.57	30.00	XLH2TMP15290
63 x 48 x 16	XLVS16348161	63.82	43.30	XLH2TMP160120

*For a 304 stainless steel enclosure, change S1 to S2 in catalog number (i.e. XLVS10906051 becomes XLVS20906051).
 †For a RAL 7032 painted steel enclosure, change S1 to PS in catalog number (i.e. XLVS10906051 becomes XLVPS0906051). Consult factory for other RAL colors.
 § Enclosure sizes are H x W x D. 20 inch deep enclosures available - consult factory.
 †See Options and Accessories pages for more information.
 ††Fits enclosures with both vertical or horizontal mounting feet. For stainless steel or painted steel mounting plates, consult factory.

High performance, high reliability enclosures for global applications

Cl. I, Div. 2, Groups A,B,C,D†
cULus to UL50 / C22.2 No. 94-M91
ATEX and IECEx Certified
GOST-R, GOST-K, and KOSHA Certified

Type 3S, 4, 4X
IP66

XLH Enclosures with Horizontal Mounting Feet

Enclosure Size (mm) § (H x W x D)	Catalog Number	Fixing Center Vertical (mm)	Fixing Center Horizontal (mm)	Zinc Coated Steel Mounting Plate Catalog Number††
229 x 152 x 127	XLHS12315131	152	208	XLHZTMP2315
260 x 203 x 100	XLHS12620101	170	259	XLHZTMP2620
260 x 203 x 152	XLHS12620151	170	259	XLHZTMP2620
260 x 260 x 152	XLHS12626151	170	316	XLHZTMP2626
305 x 260 x 127	XLHS13026131	203	316	XLHZTMP3026
305 x 203 x 152	XLHS13020151	203	259	XLHZTMP3020
305 x 260 x 152	XLHS13026151	203	316	XLHZTMP3026
305 x 305 x 152	XLHS13030151	203	361	XLHZTMP3030
305 x 305 x 203	XLHS13030201	203	361	XLHZTMP3030
305 x 305 x 250	XLHS13030251	203	361	XLHZTMP3030
406 x 305 x 152	XLHS14030151	267	361	XLHZTMP4030
406 x 305 x 203	XLHS14030201	267	361	XLHZTMP4030
406 x 305 x 250	XLHS14030251	267	361	XLHZTMP4030
406 x 355 x 203	XLHS14035201	267	386	XLHZTMP4035
406 x 406 x 152	XLHS14040151	267	462	XLHZTMP4040
406 x 406 x 203	XLHS14040201	267	462	XLHZTMP4040
406 x 406 x 250	XLHS14040251	267	462	XLHZTMP4040
406 x 406 x 300	XLHS14040301	267	462	XLHZTMP4040
406 x 508 x 152	XLHS14050151	267	564	XLHZTMP4050
406 x 508 x 203	XLHS14050201	267	564	XLHZTMP4050
406 x 508 x 250	XLHS14050251	267	564	XLHZTMP4050
406 x 508 x 300	XLHS14050301	267	564	XLHZTMP4050
508 x 406 x 152	XLHS15040151	354	462	XLHZTMP5040
508 x 406 x 203	XLHS15040201	354	462	XLHZTMP5040
508 x 406 x 250	XLHS15040251	354	462	XLHZTMP5040
508 x 406 x 300	XLHS15040351	354	462	XLHZTMP5040
508 x 508 x 152	XLHS15050151	354	564	XLHZTMP5050
508 x 508 x 203	XLHS15050201	354	564	XLHZTMP5050
508 x 508 x 250	XLHS15050251	354	564	XLHZTMP5050
508 x 508 x 300	XLHS15050301	354	564	XLHZTMP5050
508 x 610 x 203	XLHS15060201	354	666	XLHZTMP5060
508 x 610 x 250	XLHS15060251	354	666	XLHZTMP5060
508 x 610 x 300	XLHS15060301	354	666	XLHZTMP5060
610 x 406 x 152	XLHS16040151	445	462	XLHZTMP6040
610 x 406 x 203	XLHS16040201	445	462	XLHZTMP6040
610 x 406 x 250	XLHS16040251	445	462	XLHZTMP6040
610 x 406 x 300	XLHS16040301	445	462	XLHZTMP6040
610 x 508 x 152	XLHS16050151	445	564	XLHZTMP6050
610 x 508 x 203	XLHS16050201	445	564	XLHZTMP6050
610 x 508 x 250	XLHS16050251	445	564	XLHZTMP6050
610 x 508 x 300	XLHS16050301	445	564	XLHZTMP6050
610 x 610 x 152	XLHS16060151	445	666	XLHZTMP6060
610 x 610 x 203	XLHS16060201	445	666	XLHZTMP6060
610 x 610 x 250	XLHS16060251	445	666	XLHZTMP6060
610 x 610 x 300	XLHS16060301	445	666	XLHZTMP6060
610 x 610 x 400	XLHS16060401	445	666	XLHZTMP6060
610 x 762 x 203	XLHS16076201	456	818	XLHZTMP6076
610 x 762 x 250	XLHS16076251	456	818	XLHZTMP6076
610 x 762 x 300	XLHS16076301	456	818	XLHZTMP6076
610 x 762 x 400	XLHS16176401	456	818	XLHZTMP6076
762 x 508 x 203	XLHS17650201	608	563	XLHZTMP7650
762 x 508 x 250	XLHS17650251	608	563	XLHZTMP7650
762 x 508 x 300	XLHS17650301	608	563	XLHZTMP7650
762 x 610 x 203	XLHS17660201	608	665	XLHZTMP7660
762 x 610 x 250	XLHS17660251	608	665	XLHZTMP7660
762 x 610 x 300	XLHS17660301	608	665	XLHZTMP7660
762 x 610 x 400	XLHS17660401	608	665	XLHZTMP7660
762 x 762 x 203	XLHS17676201	608	818	XLHZTMP7676
762 x 762 x 250	XLHS17676251	608	818	XLHZTMP7676
762 x 762 x 300	XLHS17676301	608	818	XLHZTMP7676
762 x 762 x 400	XLHS17676401	608	818	XLHZTMP7676
800 x 610 x 203	XLHS18060201	500	655	XLHZTMP8060
800 x 610 x 250	XLHS18060251	500	655	XLHZTMP8060
800 x 610 x 300	XLHS18060301	500	655	XLHZTMP8060
800 x 610 x 400	XLHS18060401	500	665	XLHZTMP8060

*For a 304 stainless steel enclosure, change S1 to S2 in catalog number (i.e. XLVS10906051 becomes XLVS20906051).

For a RAL 7032 painted steel enclosure, change S1 to PS in catalog number (i.e. XLVS10906051 becomes XLVPS0906051). Consult factory for other RAL colors

§ Enclosure sizes are H x W x D. 20 inch deep enclosures available - consult factory.

†See Options and Accessories pages for more information.

††Fits enclosures with both vertical or horizontal mounting feet. For stainless steel or painted steel mounting plates, consult factory.

Ex-CELL Stainless Steel and Painted Steel Enclosures

Cl. I, Div. 2, Groups A,B,C,D† Type 3S, 4, 4X
 cULus to UL50 / C22.2 No. 94-M91 IP66
 ATEX and IECEx Certified
 GOST-R, GOST-K, and KOSHA
 Certified

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High performance, high reliability enclosures for global applications

Enclosure Size (mm) § (H x W x D)	Catalog Number	Fixing Center Vertical (mm)	Fixing Center Horizontal (mm)	Zinc Coated Steel Mounting Plate Catalog Number††
800 x 800 x 203	XLHS18080201	500	856	XLHZTMP8080
800 x 800 x 250	XLHS18080251	500	856	XLHZTMP8080
800 x 800 x 300	XLHS18080301	500	856	XLHZTMP8080
800 x 800 x 400	XLHS18080401	500	856	XLHZTMP8080
914 x 610 x 203	XLHS19060201	650	665	XLHZTMP9060
914 x 610 x 250	XLHS19060251	650	665	XLHZTMP9060
914 x 610 x 300	XLHS19060301	650	665	XLHZTMP9060
914 x 610 x 400	XLHS19060401	650	666	XLHZTMP9060
914 x 762 x 203	XLHS19076201	650	818	XLHZTMP9076
914 x 762 x 250	XLHS19076251	650	818	XLHZTMP9076
914 x 762 x 300	XLHS19076301	650	818	XLHZTMP9076
914 x 762 x 400	XLHS19076301	650	818	XLHZTMP9076
914 x 914 x 203	XLHS19090201	650	970	XLHZTMP9090
914 x 914 x 250	XLHS19090251	650	970	XLHZTMP9090
914 x 914 x 300	XLHS19090301	650	970	XLHZTMP9090
914 x 914 x 400	XLHS19090401	650	970	XLHZTMP9090
1000 x 610 x 203	XLHS110060201	700	665	XLHZTMP10060
1000 x 610 x 250	XLHS110060251	700	665	XLHZTMP10060
1000 x 610 x 300	XLHS110060301	700	665	XLHZTMP10060
1000 x 610 x 400	XLHS110060401	700	665	XLHZTMP10060
1000 x 800 x 203	XLHS11008020	700	856	XLHZTMP10080
1000 x 800 x 250	XLHS110080251	700	856	XLHZTMP10080
1000 x 800 x 300	XLHS110080301	700	856	XLHZTMP10080
1000 x 800 x 400	XLHS110080401	700	856	XLHZTMP10080
1000 x 1000 x 203	XLHS110010020	700	1056	XLHZTMP100100
1000 x 1000 x 250	XLHS1100100251	700	1056	XLHZTMP100100
1000 x 1000 x 300	XLHS1100100301	700	1056	XLHZTMP100100
1000 x 1000 x 400	XLHS1100100401	700	1056	XLHZTMP100100
1200 x 610 x 250	XLHS112060251	800	665	XLHZTMP12060
1200 x 610 x 300	XLHS112060301	800	665	XLHZTMP12060
1200 x 610 x 400	XLHS112060401	900	665	XLHZTMP12060
1200 x 800 x 250	XLHS112080251	800	856	XLHZTMP12080
1200 x 800 x 300	XLHS112080301	800	856	XLHZTMP12080
1200 x 800 x 400	XLHS112080401	900	856	XLHZTMP12080
1200 x 914 x 250	XLHS112090251	800	970	XLHZTMP12090
1200 x 914 x 300	XLHS112090301	800	970	XLHZTMP12090
1200 x 914 x 400	XLHS112090401	900	970	XLHZTMP12090
1200 x 1000 x 300	XLHS1120100301	800	1056	XLHZTMP120100
1200 x 1000 x 400	XLHS1120100401	900	1056	XLHZTMP120100
1200 x 1200 x 300	XLHS1120120301	800	1256	XLHZTMP120120
1200 x 1200 x 400	XLHS1120120401	900	1256	XLHZTMP120120
1524 x 914 x 300	XLHS115290301	1100	970	XLHZTMP15290
1524 x 914 x 400	XLHS115290401	1100	970	XLHZTMP15290
1600 x 1200 x 400	XLHS1160120401	1100	1256	XLHZTMP160120

*For a 304 stainless steel enclosure, change S1 to S2 in catalog number (i.e. XLVS10906051 becomes XLVS20906051).
 For a RAL 7032 painted steel enclosure, change S1 to PS in catalog number (i.e. XLVS10906051 becomes XLVPS0906051). Consult factory for other RAL colors.
 § Enclosure sizes are H x W x D. 20 inch deep enclosures available - consult factory.
 †See Options and Accessories pages for more information.
 ††Fits enclosures with both vertical or horizontal mounting feet. For stainless steel or painted steel mounting plates, consult factory.

2E

High performance, high reliability enclosures for global applications

Cl. I, Div. 2, Groups A,B,C,D†
cULus to UL50 / C22.2 No. 94-M91
ATEX and IECEx Certified
GOST-R, GOST-K, and KOSHA Certified

Type 3S, 4, 4X
IP66

Options for Ex-CELL Standard and Large

Padlockable Hasp (field-installable)

- Provides a secondary means of security and safety
- Manufactured from the same material grade as the enclosure
- Cat. # XLNPAHASP

Drawing Pockets

- Holders for engineering CAD drawings can be installed at the factory
- Cat. # SHS953324 - A4 Document Holder - Orange
- Cat. # SHS953326 - Letter Document Holder - Transparent
- Customer stainless steel drawing pockets available - consult factory

Silicone Gasket

- Provides an operating temperature of -55°C to +55°C
- To order, add suffix "SIL" to end of catalog number

Rain / Deluge Canopy (consult factory)

- Can be retrofitted to the enclosure as required using existing fixing positions

ID Tag - Label and Bracket (consult factory)

- Provides an effective solution for labeling enclosure assemblies with ID Tag Labels

Continuous Hinge (consult factory)

- Maintains door alignment by distributing open and close force along the entire length of the door
- Provides greater strength and support for larger door, ensuring years of smooth opening and closing
- Removable pin allows cover to be easily removed from enclosure

Swing Out Panels

- Panel swings clear from the front of the enclosure to provide access to electrical and electronic components that are mounted internally (non-hazardous only)

Window Kits

- Available in multiple sizes (listed below) for PLCs/monitors/metering, as well as other applications
- Window kits maintain NEMA 4X/IP66 rating when installed by our factory or an approved Cooper Crouse-Hinds ATEX local assembler

Mounting Plates (Sub Plates)

- Stainless steel or painted steel mounting plates are available (consult factory)

Accessories

Catalog Number	Window Kit Sizes
ACCS1WK53	5" x 3" (127 x 76mm)
ACCS1WK95	9" x 5.5" (229 x 140mm)
ACCS1WK133	13" x 3" (330 x 76mm)
ACCS1WK175	17" x 5.5" (432 x 140mm)
ACCS1WK1212	12" x 12" (305 x 305mm)
ACCS1WK1711	17" x 11" (432 x 279mm)
ACCS1WK2315	23" x 15" (584 x 383mm)
ACCS1WK2919	29" x 19" (737 x 483mm)
ACCS1WK3523	35" x 23" (889 x 584mm)

Accessories

Locking Cover Hardware

Catalog Number	Type
QBXLKSL0T	Slot Shape
QBXLKKEE	Eastern European (D Shape)
QBXLKDBS	Double Bit Shape
QBXLKSQ8	Square 8mm
QBXLKSQ7	Square 7mm
QBXLKTR8	Triangular 8mm
QBXLKTR7	Triangular 7mm
QBXLKWCWN	Crown Shape
QBXLKWKI	Wing Knob Insert with Standard Key
QBXLKPAD	L Padlockable Handle 10mm



Slot Shape



Eastern European (D Shape)



Ground Stud Kits

Catalog Number	Type
ACCBSESM10KIT	M10 Brass
ACCS1ESM10KIT	M10 Stainless Steel
ACCBSESM14KIT	M14 Brass

Stand-off Pillars

Catalog Number	Type	Inches
ACCSOP15	SP15	0.60
ACCSOP20	SP20	0.80
ACCSOP30	SP30	1.20



Double Bit Shape



Square



Triangular



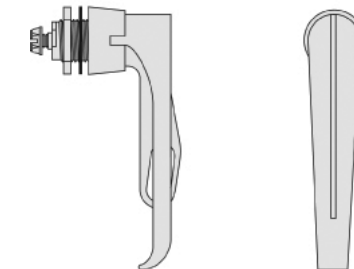
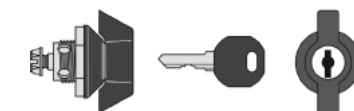
Crown Shape



Wing Knob with Standard Key



L Padlockable Handle 10mm



†When terminal blocks or approved Class I, Division 2 devices are installed within the enclosure in accordance with NEC/CEC requirements. These enclosures are NOT explosionproof and will NOT contain an explosion. Installation of arcing and sparking devices which are not Class I, Division 2 rated or higher is NOT PERMITTED.

Ex-CELL Sloped and Flush Mount Enclosures

Cl. I, Div. 2, Groups A,B,C,D†
 cULus to UL50 / C22.2
 No. 94-M91
 ATEX Certified

IECEX, GOST-R, and GOST-K
 Type 3S, 4, 4X
 IP66

2E

High performance, high reliability enclosures for global applications

Sloped Eagle Enclosures

Applications:

- Ideal for highway, DOT, transportation, pharmaceutical, and telecommunications applications

Features:

- Water shedding design for vertical mounted applications protects critical electronics and instrumentation
- Electro-polished stainless steel offers higher corrosion resistance than brushed stainless steel
- Available with 0 or 1 gland plate



Eagle

Certifications and Compliances:

- Class I, Division 2, Groups A, B, C, D†
- ATEX II 2 GD Ex e II IP66 (PTB02ATEX 1021U)
- Types 3S, 4, 4X and IP66
- GOST-R, GOST-K

Ordering Information:

Imperial Sizing (inches)

Catalog Number	Height	Width	Depth
XLE**121208*	12	12	8
XLE**161208*	16	12	8
XLE**161608*	16	16	8
XLE**201608*	20	16	8
XLE**202008*	20	20	8
XLE**242008*	24	20	8

Metric (mm)

Catalog Number	Height	Width	Depth
XLE**303020*	305	305	203
XLE**403020*	406	305	203
XLE**404020*	406	406	203
XLE**504020*	508	406	203
XLE**505020*	508	508	203
XLE**605020*	610	508	203

Flush Mount Enclosures

Applications:

- Ideal for vertical mounting (wall) in a pharmaceutical or clean room application; or horizontal mounting (ceiling) in a plenum application

Features:

- Electro-polished stainless steel offers higher corrosion resistance than brushed stainless steel

Certifications and Compliances:

- Class I, Division 2, Groups A, B, C, D†
- cULus to UL50 / C22.2 No. 94-M91
- ATEX II 2 GD Ex e II IP66 (PTB02ATEX 1021U)
- IECEX Ex e (IECEX BKI 08.0001U)
- GOST-R, GOST-K
- Types 3S, 4, 4X and IP66



Flush Mount

Ordering Information:

Imperial Sizing (inches)

Catalog Number	Height	Width	Depth
XLF**0906050	9	6	5
XLF**1010060	10	10	6
XLF**1212060	12	12	6
XLF**1616060	16	16	6

Metric (mm)

Catalog Number	Height	Width	Depth
XLF**2215130	229	152	127
XLF**2626150	260	260	152
XLF**3030150	305	305	152
XLF**4040150	406	406	152

† When terminal blocks or approved Class I, Division 2 devices are installed within the enclosure in accordance with NEC/CEC requirements. These enclosures are NOT explosionproof and will NOT contain an explosion. Installation of arcing and sparking devices which are not Class I, Division 2 rated or higher is NOT PERMITTED.

**Designate material. S1 = 316L Stainless Steel; S2 = 304 Stainless Steel; PS = RAL 7032 Painted Steel

*Designate 0 or 1 gland plate.

2E

**High performance, high reliability
enclosures for global applications****XXL Double Door Enclosures****Applications:**

- Ideal for food and dairy, wastewater treatment plants, and harsh environment wash down / hose down applications
- Protects extra large electronics and instrumentation such as PLCs, large displays and meters, air conditioners, fans, etc.

Features:

- Maintains NEMA 4/4X and IP66 ratings, as well as the certifications and compliances of the standard Ex-CELL enclosure
- Electro-polished stainless steel offers higher corrosion resistance than brushed stainless steel
- Floor mounted enclosures available with a number of options, including a lifting eye kit (Cat. # XXLS1LB KIT); see page 758 for door locking options
- Available with 0 or 1 gland plate

**XXL****Certifications and Compliances:**

- Class I, Division 2, Groups A, B, C, D†
- cULus to UL50
- Ex e II Gb (ITS09ATEX36875U)
- Ex tb IIIC Db IP66
- IECEX Ex e (IECEX BKI 08.0001U)
- Types 3S, 4, 4X and IP66
- GOST-R, GOST-K

Technical Specifications:

- Operating temperature: -20 to +60°C

Ordering Information:**Imperial Sizing (inches)**

Catalog Number	Height	Width	Depth
XXL**544208*	54	42	8
XXL**604810*	60	48	10
XXL**606012*	60	60	12
XXL**726020*	72	60	20
XXL**727224*	72	72	24

Metric (mm)

Catalog Number	Height	Width	Depth
XXL**14010020*	1371	1066	203
XXL**15012025*	1524	1219	254
XXL**15015030*	1524	1524	305
XXL**18015050*	1830	1524	508
XXL**18018060*	1830	1830	610

Mounting Plate

Catalog Number
XXLHZTMP140100
XXLHZTMP150120
XXLHZTMP150150
XXLHZTMP180150
XXLHZTMP180180

Gangable Enclosures**Applications:**

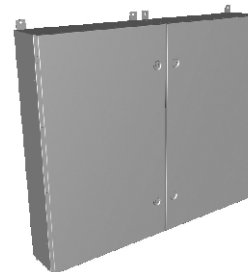
- Allows versatility for protecting larger electronics and instrumentation such as drives, custom control panels, extra large terminal blocks, etc.

Features:

- Maintains NEMA 4/4X and IP66 ratings, as well as the certifications and compliances of the standard Ex-CELL enclosure
- Electro-polished stainless steel offers higher corrosion resistance than brushed stainless steel

Certifications and Compliances:

- Class I, Division 2, Groups A, B, C, D†
- cULus to UL50 / C22.2 No. 94-M91
- ATEX II 2 GD Ex e II IP66 (PTB02ATEX 1021U)
- IECEX Ex e Certified (IECEX BKI 08.0001U)
- GOST-R, GOST-K
- Types 3S, 4, 4X and IP66

**Gangable****Ordering Information:**

Available up to 48" x 96" x 12" - please consult factory for more information

†When terminal blocks or approved Class I, Division 2 devices are installed within the enclosure in accordance with NEC/CEC requirements. These enclosures are NOT explosionproof and will NOT contain an explosion. Installation of arcing and sparking devices which are not Class I, Division 2 rated or higher is NOT PERMITTED.

**Designate material. S1 = 316L Stainless Steel; S2 = 304 Stainless Steel; PS = RAL 7032 Painted Steel

*Designate 0 or 1 gland plate.

Sheet or Stainless Steel Hinged Cover

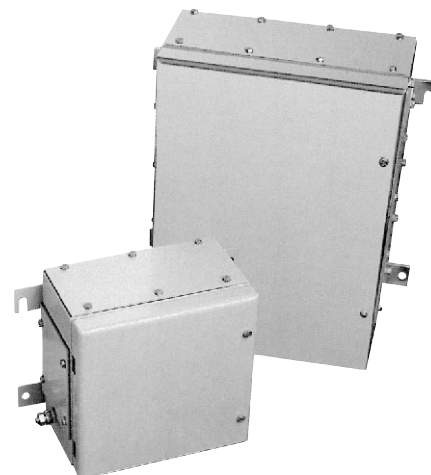
Features/Applications:

The NXT series of enclosures available in two types of material finish have been designed to accommodate rail mounted terminals or other electrical components.

Stainless steel is recommended to give maximum protection for components in outdoor/aggressive environments.

Features of this series include thirteen basic sizes in two standard depths to optimize the accommodation of rail-mountable terminals or components.

- Fully removable hinged cover, concealed hinges provide 180° opening
- Cover mounting, two or three stainless steel captive screws on one side
- Lip on upstand increases gasket contact area, ensuring high degree of ingress protection
- Internal/external ground stud
- 40mm wide mounting lugs for assembly on standard frames
- Option of 0, 1, 2, 3 or 4 gland plates
- One piece gasket on cover and gland plates
- Padlock hasp available optional



Specifications:

Description	Type	Specification
Material		Stainless steel grades: standard is 316L (1.4401) & 304 on request (1.4301) or sheet steel
Finish	Painted 316L Stainless steel	RAL 7032 (Textured) Bright Chemical Dip (polished appearance)
Gasket	All types	Chloroprene gasket (RA104) is standard; optional silicone gasket (HT800) is available
Cover Mounting	All types	Fully detachable hinged cover with 2 or 3 x M6 hexagon head captive stainless steel screws
Grounding	All types	M10 internal/external ground stud
Box Mounting	All types	4 x external lugs, 0.394" clearance holes/slots
Equipment Mounting	All types	4 x stand off pillars 0.394" OD, tapped M6 x 0.394"
Ingress Protection	All types	IP66 to IEC529
Temperature Range	RA104 HT800	Chloroprene gasket: -49°F (-45°C) to 176°F (80°C) Optional silicone gasket: -85°F (-65°C) to 275°F (135°C)
Ambient Temperature		Chloroprene gasket: -49°F (-45°C) to 104°F (40°C) for T6; -49°F (-45°C) to 131°F (55°C) for T5 Optional silicone gasket: -85°F (-65°C) to 104°F (40°C) for T6; -85°F (-65°C) to 131°F (55°C) for T5
Impact Resistance	All types	7 J (Nm) to EN 50014
Deluge Test	All types	Spec. No. DTS 01

Factory Options (Consult Factory):

Description	Specification
Material	Special materials or thickness according to customer specification
Finish	Special colors according to customer specification
Sizes	Special sizes available (and certified) for customer applications - up to 41.33" x 24.02" x 8.07" (1050mm x 610mm x 200mm) largest
Equipment	Terminals, glands, and Myers Hubs assembled according to customer specification
Gland plates	Drilled cable glands fitted to customer specification
Ground Studs	Also available fitted to gland plates and cover
EMC	Versions for maximum shielding from EMI/RFI, 0 gland plate only
Cover Attachments	e.g. Handles

Certifications and Compliances:



UL50/C22.2 N094-M91 mild steel: Types 3S, 4; stainless steel: Type 4X.

ATEX 1. Component Certificate KEMA99ATEX3174 U

Codes
 II 2 G Ex e II
 II 2 D ≥ IP64
 CEPEL-EX-1199/06X
 GL Certification

GOST-R
 GOST-K

ATEX Codes 2. Certificate of Conformity KEMA99ATEX3172X

II 2 G Ex e II T6 or T5
 II 2 D T100°C ≥ IP64
 II 1 G Ex ia IIC T6 or T5
 II 2 D T100°C ≥ IP64
 II 2 (1) G Ex e ia IIC T6 or T5
 II 2 D T100°C ≥ IP64

Sheet or Stainless Steel Hinged Cover

Top	A		NXT 221513	NXT 262616	NXT 262620	NXT 303016
Bottom	B		Height 9.02"	Height 10.23"	Height 10.23"	Height 12.05"
Left hand side	C		Width 5.98"	Width 10.23"	Width 10.23"	Width 12.05"
Right hand side	D		Depth 5.31"	Depth 6.30"	Depth 8.07"	Depth 6.30"
			Weight 7.17 lb	Weight 12.13 lb	Weight 12.13 lb	Weight 15.43 lb
		Gland Plate A/B 3.54/5.51"	Gland Plate A/B 4.72/10"	Gland Plate A/B 6.46/10"	Gland Plate A/B 4.33/11.42"	
		Gland Plate C/D 3.54/5.51"	Gland Plate C/D 4.72/6.06"	Gland Plate C/D 6.46/6.06"	Gland Plate C/D 4.33/7.48"	

Ordering Data:

Type	Description	Cat. #	Cat. #	Cat. #	Cat. #
0 Gland Plates	Paint Finish Stainless Steel Finish	NXTPS2215130 NXTS12215130	NXTPS2626160 NXTS12626160	NXTPS2626200 NXTS12626200	NXTPS3030160 NXTS13030160
1 Gland Plate Side B (Bottom)	Paint Finish Stainless Steel Finish	NXTPS2215131 NXTS12215131	NXTPS2626161 NXTS12626161	NXTPS2626201 NXTS12626201	NXTPS3030161 NXTS13030161
2 Gland Plates Sides A + B (Top and Bottom)	Paint Finish Stainless Steel Finish	NXTPS2215132 NXTS12215132	NXTPS2626162 NXTS12626162	NXTPS2626202 NXTS12626202	NXTPS3030162 NXTS13030162
3 Gland Plates Sides B, C + D (Bottom and Sides)	Paint Finish Stainless Steel Finish	NXTPS2215133 NXTS12215133	NXTPS2626163 NXTS12626163	NXTPS2626203 NXTS12626203	NXTPS3030163 NXTS13030163
4 Gland Plates Sides A, B, C + D (All Sides)	Paint Finish Stainless Steel Finish	NXTPS2215134 NXTS12215134	NXTPS2626164 NXTS12626164	NXTPS2626204 NXTS12626204	NXTPS3030164 NXTS13030164

Gland Sizes (mm) per Plate (Reference Only):

Brass Glands	Top/ Bottom	Left/ Right	Top/ Bottom	Left/ Right	Top/ Bottom	Left/ Right	Top/ Bottom	Left	Right
M16	6	6	20	9	33	18	26	20	26
M20	3	3	10	6	15	9	14	10	14
M25	2	2	6	3	12	5	8	8	8
M32	1	1	3	2	6	4	4	3	4
M40	1	1	3	1	5	2	3	3	3
M50	1	1	2	1	3	1	3	2	3

Top	A		NXT 303020	NXT 382616	NXT 382620	NXT 453816	NXT 453820
Bottom	B		Height 12.05"	Height 14.96"	Height 14.96"	Height 18.031"	Height 18.031"
Left hand side	C		Width 12.05"	Width 10.24"	Width 10.24"	Width 15.039"	Width 15.039"
Right hand side	D		Depth 8.07"	Depth 6.29"	Depth 8.07"	Depth 6.29"	Depth 8.071"
			Weight 15.43 lb	Weight 15.43 lb	Weight 15.43 lb	Weight 21.45 lb	Weight 21.45 lb
		Gland Plate A/B 4.33/11.42"	Gland Plate A/B 4.72/10"	Gland Plate A/B 6.46/10"	Gland Plate A/B 3.15/13.27"	Gland Plate A/B 4.33/14.57"	
		Gland Plate C/D 4.33/7.48"	Gland Plate C/D 4.72/10"	Gland Plate C/D 6.46/10"	Gland Plate C/D 3.15/13.27"	Gland Plate C/D 4.33/14.57"	

Ordering Data:

Type	Description	Cat. #	Cat. #	Cat. #	Cat. #	Cat. #
0 Gland Plates	Paint Finish Stainless Steel Finish	NXTPS3030200 NXTS13030200	NXTPS3826160 NXTS13826160	NXTPS3826200 NXTS13826200	NXTPS4538160 NXTS14538160	NXTPS4538200 NXTS14538200
1 Gland Plate Side B (Bottom)	Paint Finish Stainless Steel Finish	NXTPS3030201 NXTS13030201	NXTPS3826161 NXTS13826161	NXTPS3826201 NXTS13826201	NXTPS4538161 NXTS14538161	NXTPS4538201 NXTS14538201
2 Gland Plates Sides A + B (Top and Bottom)	Paint Finish Stainless Steel Finish	NXTPS3030202 NXTS13030202	NXTPS3826162 NXTS13826162	NXTPS3826202 NXTS13826202	NXTPS4538162 NXTS14538162	NXTPS4538202 NXTS14538202
3 Gland Plates Sides B, C + D (Bottom and Sides)	Paint Finish Stainless Steel Finish	NXTPS3030203 NXTS13030203	NXTPS3826163 NXTS13826163	NXTPS3826203 NXTS13826203	NXTPS4538163 NXTS14538163	NXTPS4538203 NXTS14538203
4 Gland Plates Sides A, B, C + D (All Sides)	Paint Finish Stainless Steel Finish	NXTPS3030204 NXTS13030204	NXTPS3826164 NXTS13826164	NXTPS3826204 NXTS13826204	NXTPS4538164 NXTS14538164	NXTPS4538204 NXTS14538204

Gland Sizes (mm) per Plate (Reference Only):

Brass Glands	Top/ Bottom	Left	Right	Top/ Bottom	Left/ Right	Top/ Bottom	Left/ Right	Top/ Bottom	Left/ Right	Top/ Bottom	Left/ Right
M16	32	38	32	20	20	33	33	29	29	44	44
M20	18	15	18	10	10	15	15	18	18	24	24
M25	15	12	15	6	6	12	12	10	10	20	20
M32	8	6	8	3	3	6	6	6	6	10	10
M40	6	5	6	3	3	5	5	5	5	8	8
M50	3	3	3	2	2	3	3	4	4	4	4

Sheet or Stainless Steel Hinged Cover

Top	A		NXT 484820	NXT 503520	NXT 624520	NXT 745520
Bottom	B		Height 18.898"	Height 19.685"	Height 24.41"	Height 29.13"
Left hand side	C		Width 18.898"	Width 13.78"	Width 17.72"	Width 17.72"
Right hand side	D		Depth 8.071"	Depth 8.071"	Depth 8.07"	Depth 8.07"
			Weight 22.88 lb	Weight 23.1 lb	Weight 37.48 lb	Weight 37.48 lb
		Gland Plate A/B 4.33/14.57"	Gland Plate A/B 6.46/13.54"	Gland Plate A/B 6.46/17.48"	Gland Plate A/B 6.46/17.48"	
		Gland Plate C/D 4.33/14.57"	Gland Plate C/D 6.46/13.54"	Gland Plate C/D 6.46/17.48"	Gland Plate C/D 6.46/17.48"	

Ordering Data:

Type	Description	Cat. #	Cat. #	Cat. #	Cat. #
0 Gland Plates	Paint Finish Stainless Steel Finish	NXTPS4848200 NXTS14848200	NXTPS5035200 NXTS15035200	NXTPS6245200 NXTS16245200	NXTPS7455200 NXTS17455200
1 Gland Plate Side B (Bottom)	Paint Finish Stainless Steel Finish	NXTPS4848201 NXTS14848201	NXTPS5035201 NXTS15035201	NXTPS6245201 NXTS16245201	NXTPS7455201 NXTS17455201
2 Gland Plates Sides A + B (Top and Bottom)	Paint Finish Stainless Steel Finish	NXTPS4848202 NXTS14848202	NXTPS5035202 NXTS15035202	NXTPS6245202 NXTS16245202	NXTPS7455202 NXTS17455202
3 Gland Plates Sides B, C + D (Bottom and Sides)	Paint Finish Stainless Steel Finish	NXTPS4848203 NXTS14848203	NXTPS5035203 NXTS15035203	NXTPS6245203 NXTS16245203	NXTPS7455203 NXTS17455203
4 Gland Plates Sides A, B, C + D (All Sides)	Paint Finish Stainless Steel Finish	NXTPS4848204 NXTS14848204	NXTPS5035204 NXTS15035204	NXTPS6345204 NXTS16245204	NXTPS7455204 NXTS17455204

Gland Sizes (mm) per Plate (Reference Only):

Brass Glands	Top/Bottom	Left	Right	Top/Bottom	Left/Right	Top/Bottom	Left/Right	Top/Bottom	Left/Right
M16	53	44	53	40	40	53	53	60	60
M20	30	24	30	24	24	30	30	39	39
M25	24	20	24	18	18	24	24	30	30
M32	14	10	14	10	10	14	14	18	18
M40	11	8	11	7	7	11	11	13	13
M50	5	4	5	4	4	5	5	6	6

Top	A		NXT 765020	NXT 866420	NXT 916120	NXT 987420
Bottom	B		Height 30"	Height 33.86"	Height 35.99"	Height 38.58"
Left hand side	C		Width 20"	Width 25.20"	Width 24.02"	Width 29.13"
Right hand side	D		Depth 8.07"	Depth 8.07"	Depth 8.07"	Depth 8.07"
			Weight 51.81 lb	Weight 63.93 lb	Weight 68.34 lb	Weight 83.76 lb
		Gland Plate A/B 4.33/19.69"	Gland Plate A/B 6.46/24.96"	Gland Plate A/B 5.512/23.62"	Gland Plate A/B 6.46/13.54"	
		Gland Plate C/D 4.33/19.69"	Gland Plate C/D 6.46/24.96"	Gland Plate C/D 5.512/23.62"	Gland Plate C/D 2x6.46/17.48"	

Ordering Data:

Type	Description	Cat. #	Cat. #	Cat. #	Cat. #
0 Gland Plates	Paint Finish Stainless Steel Finish	NXTPS7650200 NXTS17650200	NXTPS8664200 NXTS18664200	NXTPS9161200 NXTS19161200	NXTPS9874200 NXTS19874200
1 Gland Plate Side B (Bottom)	Paint Finish Stainless Steel Finish	NXTPS7650201 NXTS17650201	NXTPS8664201 NXTS18664201	NXTPS9161201 NXTS19161201	NXTPS9874201 NXTS19874201
2 Gland Plates Sides A + B (Top and Bottom)	Paint Finish Stainless Steel Finish	NXTPS7650202 NXTS17650202	NXTPS8664202 NXTS18664202	NXTPS9161202 NXTS19161202	NXTPS9874202 NXTS19874202
3 Gland Plates Sides B, C + D (Bottom and Sides)	Paint Finish Stainless Steel Finish	NXTPS7650203 NXTS17650203	NXTPS8664203 NXTS18664203	NXTPS9161203 NXTS19161203	NXTPS9874203 NXTS19874203
4 Gland Plates Sides A, B, C + D (All Sides)	Paint Finish Stainless Steel Finish	NXTPS7650204 NXTS17650204	NXTPS18664214 NXTS18664204	NXTPS9161204 NXTS19161204	NXTPS9874204 NXTS19874204

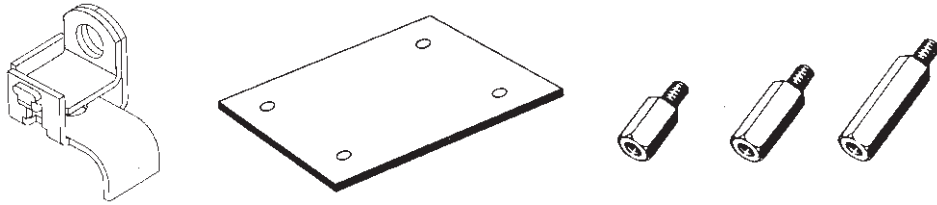
Gland Sizes (mm) per Plate (Reference Only):

Brass Glands	Top/Bottom	Left/Right	Top/Bottom	Left/Right	Top/Bottom	Left/Right	Top/Bottom	Left/Right
M16	53	72	72	40	72	72	40	53
M20	30	45	45	24	42	42	24	30
M25	24	35	35	18	24	24	18	24
M32	14	20	20	10	18	18	10	14
M40	11	13	13	7	8	8	7	11
M50	5	7	7	4	7	7	4	5



Sheet or Stainless Steel Hinged Cover Accessories

Accessories:



Mounting Plates:

Material: Tufnol, zinc coated or stainless steel

Enclosure Size	Tufnol Cat. #	Zinc Coated Steel Cat. #	Stainless Steel Cat.#
NXT2215	NXTTLMP2215	NXTZTMP2215	NXTS1MP2215
NXT2626	NXTTLMP2626	NXTZTMP2626	NXTS1MP2626
NXT3030	NXTTLMP3030	NXTZTMP3030	NXTS1MP3030
NXT3826	NXTTLMP3826	NXTZTMP3826	NXTS1MP3826
NXT4538	NXTTLMP4538	NXTZTMP4538	NXTS1MP4538
NXT4848	NXTTLMP4848	NXTZTMP4848	NXTS1MP4848
NXT5035	NXTTLMP5035	NXTZTMP5035	NXTS1MP5035
NXT6245	NXTTLMP6245	NXTZTMP6245	NXTS1MP6245
NXT7455	NXTTLMP7455	NXTZTMP7455	NXTS1MP7455
NXT7650	NXTTLMP7650	NXTZTMP7650	NXTS1MP7650
NXT8664	NXTTLMP8664	NXTZTMP8664	NXTS1MP8664
NXT9161	NXTTLMP9161	NXTZTMP9161	NXTS1MP9161
NXT9874	NXTTLMP9874	NXTZTMP9874	NXTS1MP9874

Stand-off Pillars:

Type	Inches	Cat.#.
SP15	0.60	ACCSOP15
SP20	0.80	ACCSOP20
SP30	1.20	ACCSOP30

Lock:

Type	Cat. #
NP6 Brass Lock and 2 Keys	NXTNP6BL2K

Hasp:

Type	Cat. #
NPA6	NXTNPAHASP

Stainless Steel, for Type NP6 Padlocks

Mount on Enclosure by Removing Cover Screw and Fitting Hasp Between Cover and Screw.

Assembly Rail:

Type	Length	Cat. #
TS35	78.74"	ACCTS352M
TAS20	78.74"	ACCTAS202M

Ground Stud Kits:

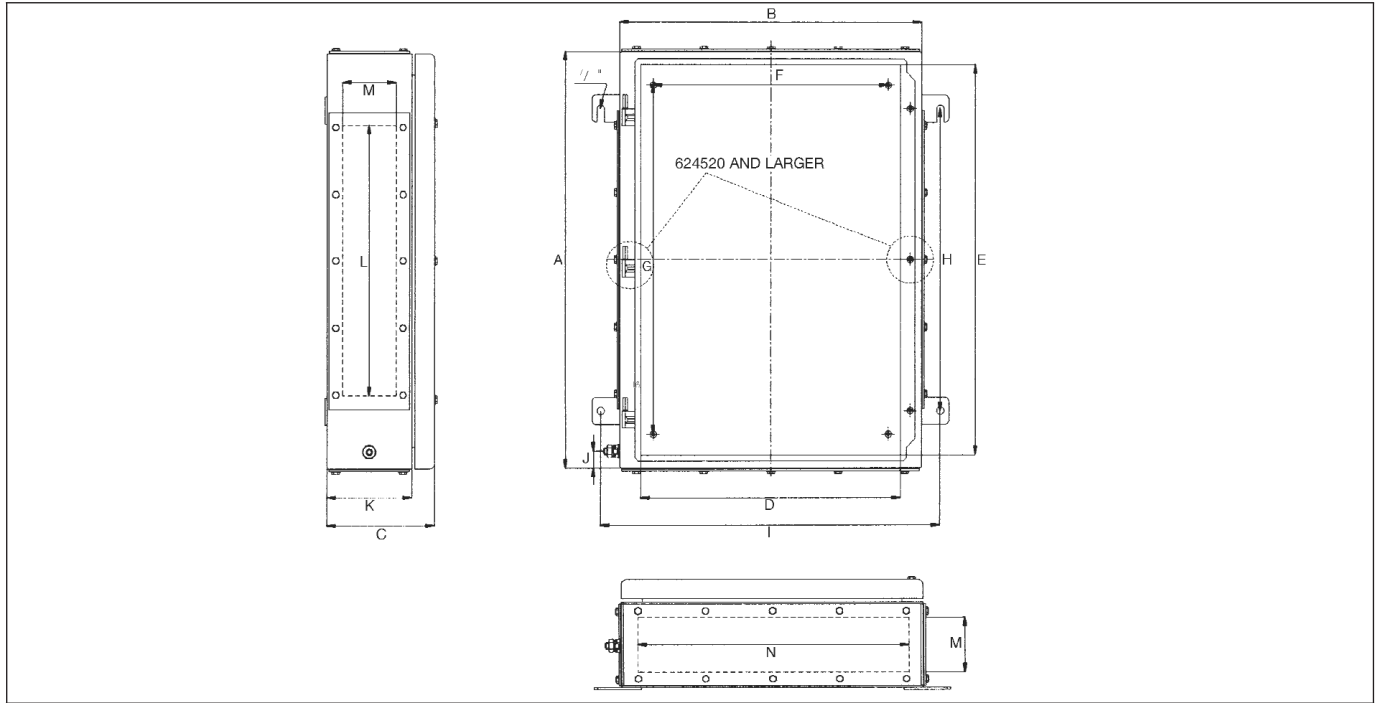
Type	Cat. #
M10 Brass	ACCBSES M10 KIT
M10 Stainless Steel	ACCS1ESM10KIT
M14 Brass	ACCBSESM14KIT

Metric Screws for Mounting Plate:

Description	Cat. #
4/set	CCH4142

Sheet or Stainless Steel Hinged Cover Accessories

Dimensions In Inches:



NXT Enclosure Series

Code	Type	A	B	C	D	E	F	G	H	I	J	K	L	M	N
NXT*	221513†	9.02	5.98	5.12	3.50	7.48	2.05	5†	5.98	8.19	0.98	4.01	4.25	2.28	4.25
NXT	262616 (262620)	10.24	10.24	6.30 (8.08)	7.76	8.70	6.30	6.30	6.69	12.44	0.98	4.96 (6.77)	4.49	3.15 (4.88)	8.43
NXT*	303016 (303020)	12.04	12.05	6.30 (8.08)	9.57	10.51	8.11	8.11	7.99	14.21	0.98	4.96 (6.77)	Left 8.43 Right 10.28	3.15 (4.88)	10.28
NXT	382616 (382620)	14.97	10.24	6.30 (8.08)	7.76	13.43	6.30	11.02	9.84	12.44	0.98	4.96 (6.77)	8.43	3.15 (4.88)	8.43
NXT*	453820	18.01	15.04	8.08	12.56	16.50	11.10	14.09	12.00	17.21	0.98	6.77	13.27	4.88	13.27
NXT*	484820	18.90	18.90	8.08	16.42	17.36	14.96	14.96	12.87	21.06	0.98	6.77	Left 13.27 Right 15.91	4.88	15.91
NXT	503520	19.69	13.79	8.08	11.30	18.15	9.84	15.75	13.78	15.98	0.98	6.77	11.97	4.88	11.97
NXT	624520	24.41	17.72	8.08	15.24	22.87	13.78	20.47	17.72	19.92	0.98	6.77	15.91	4.88	15.91
NXT	745520	29.13	21.66	8.08	19.18	27.60	17.72	25.18	21.26	23.86	0.98	6.77	19.84	4.88	19.84
NXT*	765020	30.00	20.00	8.08	17.52	28.47	16.06	26.06	20.00	22.21	0.98	6.77	23.39	4.25	18.27
NXT	866420	33.86	25.20	8.08	22.72	32.32	21.26	29.92	22.44	27.40	0.98	6.77	2 x 11.97	4.88	23.39
NXT*	916120	35.98	24.02	8.08	21.54	34.45	20.08	32.05	22.00	26.22	0.98	6.77	22.32	4.25	22.28
NXT	987420	38.58	29.13	8.08	26.65	37.05	25.20	34.65	27.56	31.34	0.98	6.77	2 x 15.91	4.88	2 x 11.97

* Subtract 1.18" from dimension 'I' for mounting center when side gland plates are not used.

† NXT 221513 has two stand off pillars only, mounted on the center line.

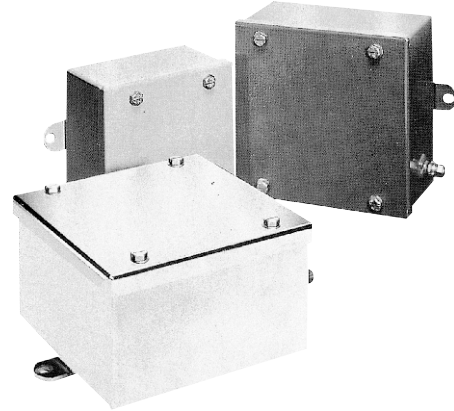
Cl. I, Div. 2, Groups A, B, C, D
 UL/cUL
 NEMA 3S, 4 (Painted Steel),
 NEMA 4X (Stainless Steel), NEMA 6, IP66
 Ex e II
 Ex ia IIC

GOST-R, GOST-K
 IECEX
 GL Certified
 Zone 1, 2, 21, 22

Sheet or Stainless Steel

Features/Applications:

- The STB series of sheet steel enclosures are designed to meet the requirement for distribution and lighting junction boxes.
- Available in 14 sizes with standard finishes of painted or 316L stainless steel, together with the high IP rating make these enclosures suitable for all environmental conditions.
- The stainless steel versions are particularly recommended for use in marine or other corrosive environments.
- Painting of these enclosures uses a two stage electrophoretic dip coat system.
- Treatment includes iron phosphate and paint application followed by electrostatic polyester powder coating.
- When applied to a mild steel substrate gives a minimum of 500 hours salt spray resistance.



Certifications and Compliances:



- Class I, Division 2, Groups A, B, C, D
- UL/cUL Listed
- NEMA 3S, 4 (Painted Steel), NEMA 4X (Stainless Steel), NEMA 6, IP66
- Ex e II
- Ex ia IIC
- GOST-R, GOST-K
- IECEX
- GL certified
- Zone 1, 2, 21, 22

UL50/C22.2 No. 94-M91 mild steel: Types 3S, 4; stainless steel: Type 4X.
 Germanischer Lloyd (GL)

(Excluding STB151208 & STB 191509)

ATEX 1. Component Certificate KEMA99ATEX7895 U

Codes II 2 G Ex e II
 II 2 D ³IP64
 GOST-R/GOST-K
 NEMA 6 per CSA Certification
 GL Certification

ATEX 2. Certificate of Conformity KEMA99ATEX7894 X

Codes II 2 G Ex e II T6 or T5
 II 2 D T100°C ≥ IP64
 II 1 G Ex ia IIC T6 or T5
 II 2 D T100°C ≥ IP64
 II 2 (1) G Ex e ia IIC T6 or T5
 II 2 D T100°C ≥ IP64

Specifications:

Description	Specification
Material	1.5mm thick stainless steel grades 316L (1.4401) & 304 (1.4301) or sheet steel
Finish	Painted – RAL 7032, Grey Stainless Steel – ‘Bright Chemical Dip’
Gasket	Chloroprene gasket (standard); HT800 silicone gasket (optional)
Cover Mounting	4 x M6 Slotted, Hexagon Head, Captive Screws
Grounding	M6 Internal/External Ground Stud
Box Mounting	STB 121208-252512 2 x External Lugs with 0.315" Clearance Holes STB 163812-254013 4 x External Lugs with 0.315" Clearance Holes
Equipment Mounting	TAS 20 Rail Welded to Base of Enclosure, to Which Equipment is Mounted by Means of Sliding Mounting Nut and Screw (1 Rail STB 121208-191910, Rails STB 252512-254030)
Ingress Protection	IP66 BSEN 60529
Temperature Range	Chloroprene gasket: -49°F (-45°C) to +185°F (85°C) Silicone HT800 gasket: -85°F (-65°C) to +275°F (135°C)
Ambient Temperature	Chloroprene gasket: -49°F (-45°C) to +104°F (40°C) T6; -49°F (-45°C) to +131°F (55°C) T5 Silicone HT800 gasket: -85°F (-65°C) to +104°F (40°C) T6; -85°F (-65°C) to +131°F (55°C) T5
Impact Resistance	7 J(Nm) to EN 50014
Gland Plates	STB 383822- STB 604022 Optional 3mm thick gland plates available in bottom, left, top, and right configurations

Factory Options (Consult Factory):

Description	Specification
Finishes	Alternative paint colours
Assembly	Supplied with terminals, glands, drilled or drilled and tapped entries, breather/drains, and Myers Hubs
Ambient Temperature Suitability	-65 to +135°C ambient temperature suitability with optional silicone gasket
Fireproof STB Enclosure	Fireproof STB enclosure available for 10,000°C to ½ hour operation with special coating

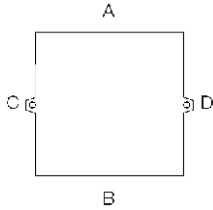
STB Series Junction Boxes

Cl. I, Div. 2, Groups A, B, C, D
 UL/cUL
 NEMA 3S, 4 (Painted Steel),
 NEMA 4X (Stainless Steel), NEMA 6, IP66
 Ex e II
 Ex ia IIC

GOST-R, GOST-K
 IECEx
 GL Certified
 Zone 1, 2, 21, 22

2E

Sheet or Stainless Steel Ordering Information



A = Top
 B = Bottom
 C = Left Hand Side
 D = Right Hand Side

Ordering Data:

Standard Paint Finish
 Stainless Steel Finish

Guide to Gland Entries:

Max. Gland Area Dimensions

STB 121208
 Height 4.73"
 Width 4.72"
 Depth 3.15"
 Weight 3.09 lb.

STBPS121208
STBS1121208

Sides	Size
A, B, C	4.49" x 2.48"
D	2.76" x 2.48"

STB 151208
 Height 5.91"
 Width 4.72"
 Depth 3.15"
 Weight 3.50 lb.

STBPS151208
STBS1151208

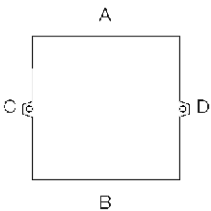
Sides	Size
A, B	4.49" x 2.48"
C	5.67" x 2.48"
D	3.94" x 2.48"

Gland Sizes (mm) per Side (Reference Only):

Brass Glands with Locknuts

	Side A	Side B	Side C	Side D
16	5	5	6	4
20	3	2	3	2
25	2	2	2	1
32	1	1	2	1
40	-	-	-	-
50	-	-	-	-

	Side A	Side B	Side C	Side D
6	5	7	5	
3	2	4	3	
2	2	3	2	
1	1	2	1	
-	-	-	-	
-	-	-	-	



A = Top
 B = Bottom
 C = Left Hand Side
 D = Right Hand Side

Ordering Data:

Standard Paint Finish
 Stainless Steel Finish

Guide to Gland Entries:

Max. Gland Area Dimensions

STB 151509
 Height 5.91"
 Width 5.91"
 Depth 3.54"
 Weight 4.19 lb.

STBPS151509
STBS1151509

Sides	Size
A, B, C	5.67" x 2.87"
D	3.94" x 2.87"

STB 191509
 Height 5.91"
 Width 7.48"
 Depth 3.54"
 Weight 5.40 lb.

STBPS191509
STBS1191509

Sides	Size
A, B	5.67" x 2.87"
C	7.24" x 2.87"
D	5.12" x 2.87"

Gland Sizes (mm) per Side (Reference Only):

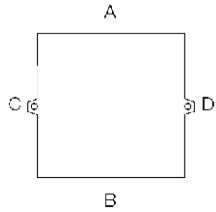
Brass Glands with Locknuts

	Side A	Side B	Side C	Side D
16	8	8	8	6
20	5	4	5	3
25	3	3	3	2
32	2	2	2	1
40	1	1	2	1
50	-	-	-	-

	Side A	Side B	Side C	Side D
9	8	12	8	
5	4	7	5	
3	3	4	3	
2	2	3	2	
2	1	2	2	
-	-	-	-	

2E

Sheet or Stainless Steel
 Ordering Information



A = Top
 B = Bottom
 C = Left Hand Side
 D = Right Hand Side

Ordering Data:

Standard Paint Finish
 Stainless Steel Finish

Guide to Gland Entries:

Max. Gland Area Dimensions

STB 191910
 Height 7.48"
 Width 7.48"
 Depth 3.94"
 Weight 6.61 lb.

STBPS191910
STBS1191910

Sides	Size
A, B, C	7.24" x 3.27"
D	5.51" x 3.27"

STB 252512
 Height 9.84"
 Width 9.84"
 Depth 4.73"
 Weight 8.16 lb.

STBPS252512
STBS1252512

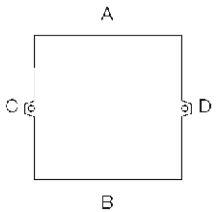
Sides	Size
A, B, C	9.61" x 4.05"
D	7.87" x 4.05"

Gland Sizes (mm) per Side (Reference Only):

Brass Glands with Locknuts

	Side A	Side B	Side C	Side D	Side A	Side B	Side C	Side D
16	13	12	14	9	24	23	24	18
20	8	7	8	6	13	12	13	10
25	5	4	5	4	10	9	10	8
32	3	3	3	2	5	5	5	4
40	2	2	2	2	3	3	3	3
50	2	1	2	1	3	2	3	2
63	-	-	-	-	2	2	2	2

2E



A = Top
 B = Bottom
 C = Left Hand Side
 D = Right Hand Side

Ordering Data:

Standard Paint Finish
 Stainless Steel Finish

Guide to Gland Entries:

Max. Gland Area Dimensions

STB 163812
 Height 8.30"
 Width 14.96"
 Depth 4.72"
 Weight 8.14 lb.

STBPS163812
STBS1163812

Sides	Size
A, B, C	14.64" x 4.05"
D	12.99" x 4.05"

STB 254013
 Height 9.84"
 Width 15.74"
 Depth 5.12"
 Weight 11.88 lb.

STBPS254013
STBS1254013

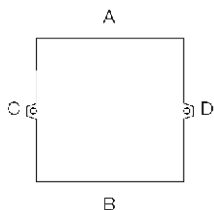
Sides	Size
A, B, C	15.51" x 4.45"
D	13.78" x 4.45"

Gland Sizes (mm) per Side (Reference Only):

Brass Glands with Locknuts

	Side A	Side B	Side C	Side D	Side A	Side B	Side C	Side D
16	36	35	15	9	48	47	30	24
20	21	21	7	5	27	27	17	14
25	16	15	6	4	16	16	10	8
32	9	9	3	2	11	11	7	6
40	6	5	2	1	7	6	4	3
50	4	4	1	1	5	5	3	2
63	3	3	1	1	4	3	2	2

Sheet or Stainless Steel Ordering Information



A = Top
 B = Bottom
 C = Left Hand Side
 D = Right Hand Side

Ordering Data:

Standard Paint Finish
 Stainless Steel Finish

Guide to Gland Entries

Max. Gland Area Dimensions

STB 3838220

Height 14.96"
 Width 14.96"
 Depth 8.66"
 Weight 18.70 lb.

STBPS3838220 STBS13838220

Sides	Size
A, B	14.72" x 7.99"
C	14.72" x 7.99"
D	12.76" x 7.99"

STB 3838223

Height 14.96"
 Width 14.96"
 Depth 8.66"
 Weight 25.96 lb.

STBPS3838223 STBS13838223

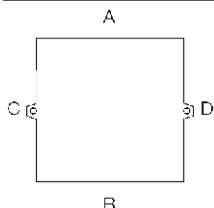
Sides	Size
A, B	13.27" x 4.88"
C	13.27" x 4.88"
D	10.28" x 4.88"

Gland Sizes (mm) per Side (Reference Only):

Brass Glands with Locknuts

	Side A	Side B	Side C	Side D
16	100	100	100	88
20	57	57	57	48
25	40	40	40	33
32	24	24	24	20
40	15	15	15	12
50	8	8	8	7
63	6	6	6	5

	Side A	Side B	Side C	Side D
46	46	46	46	34
26	26	26	26	20
21	21	21	21	15
11	11	11	11	8
9	9	9	9	6
4	4	4	4	3
3	3	3	3	2



A = Top
 B = Bottom
 C = Left Hand Side
 D = Right Hand Side

Ordering Data:

Standard Paint Finish
 Stainless Steel Finish

Guide to Gland Entries:

Max. Gland Area Dimensions

STB 4060220

Height 15.75"
 Width 23.62"
 Depth 8.66"
 Weight 28.60 lb.

STBPS4060220 STBS14060220

Sides	Size
A, B	23.39" x 7.99"
C	15.51" x 7.99"
D	13.54" x 7.99"

STB 4060223

Height 15.75"
 Width 23.62"
 Depth 8.66"
 Weight 36.30 lb.

STBPS4060223 STBS14060223

Sides	Size
A, B	19.84" x 4.88"
C	11.97" x 4.88"
D	13.27" x 4.88"

Gland Sizes (mm) per Side (Reference Only):

Brass Glands with Locknuts

	Side A	Side B	Side C	Side D
16	164	164	108	92
20	93	93	60	51
25	65	65	40	35
32	40	40	26	22
40	26	26	17	14
50	14	14	9	7
63	11	11	7	6

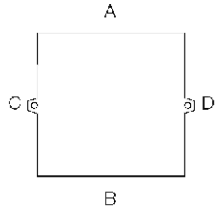
	Side A	Side B	Side C	Side D
70	70	70	46	40
39	39	39	26	23
32	32	32	21	18
17	17	17	11	10
14	14	14	9	8
6	6	6	4	3
5	5	5	3	3



Cl. I, Div. 2, Groups A, B, C, D
 UL/cUL
 NEMA 3S, 4 (Painted Steel),
 NEMA 4X (Stainless Steel), NEMA 6, IP66
 Ex e II
 Ex ia IIC

GOST-R, GOST-K
 IECEx
 GL Certified
 Zone 1, 2, 21, 22

**Sheet or Stainless Steel
 Ordering Information**



A = Top
 B = Bottom
 C = Left Hand Side
 D = Right Hand Side

Ordering Data:

Standard Paint Finish
 Stainless Steel Finish

Guide to Gland Entries:

Max. Gland Area Dimensions

STB 6040220
 Height 23.62"
 Width 15.75"
 Depth 8.66"
 Weight 28.60 lb.

STBPS6040220
STBS16040220

Sides	Size
A, B	15.51" x 7.99"
C	23.39" x 7.99"
D	21.42" x 7.99"

STB 6040223
 Height 23.62"
 Width 15.75"
 Depth 8.66"
 Weight 36.30 lb.

STBPS6040223
STBS16040223

Sides	Size
A, B	13.27" x 4.88"
C	13.27" x 4.88"
D	13.27" x 4.88"

Gland Sizes (mm) per Side (Reference Only):

Brass Glands with Locknuts

	Side A	Side B	Side C	Side D
16	108	108	164	152
20	60	60	93	84
25	40	40	65	60
32	26	26	40	38
40	17	17	26	23
50	9	9	14	13
63	7	7	11	10

Side A	Side B	Side C	Side D
46	46	46	46
26	26	26	26
21	21	21	21
11	11	11	11
9	9	9	9
4	4	4	4
3	3	3	3

Sheet or Stainless Steel Accessories and Dimensions

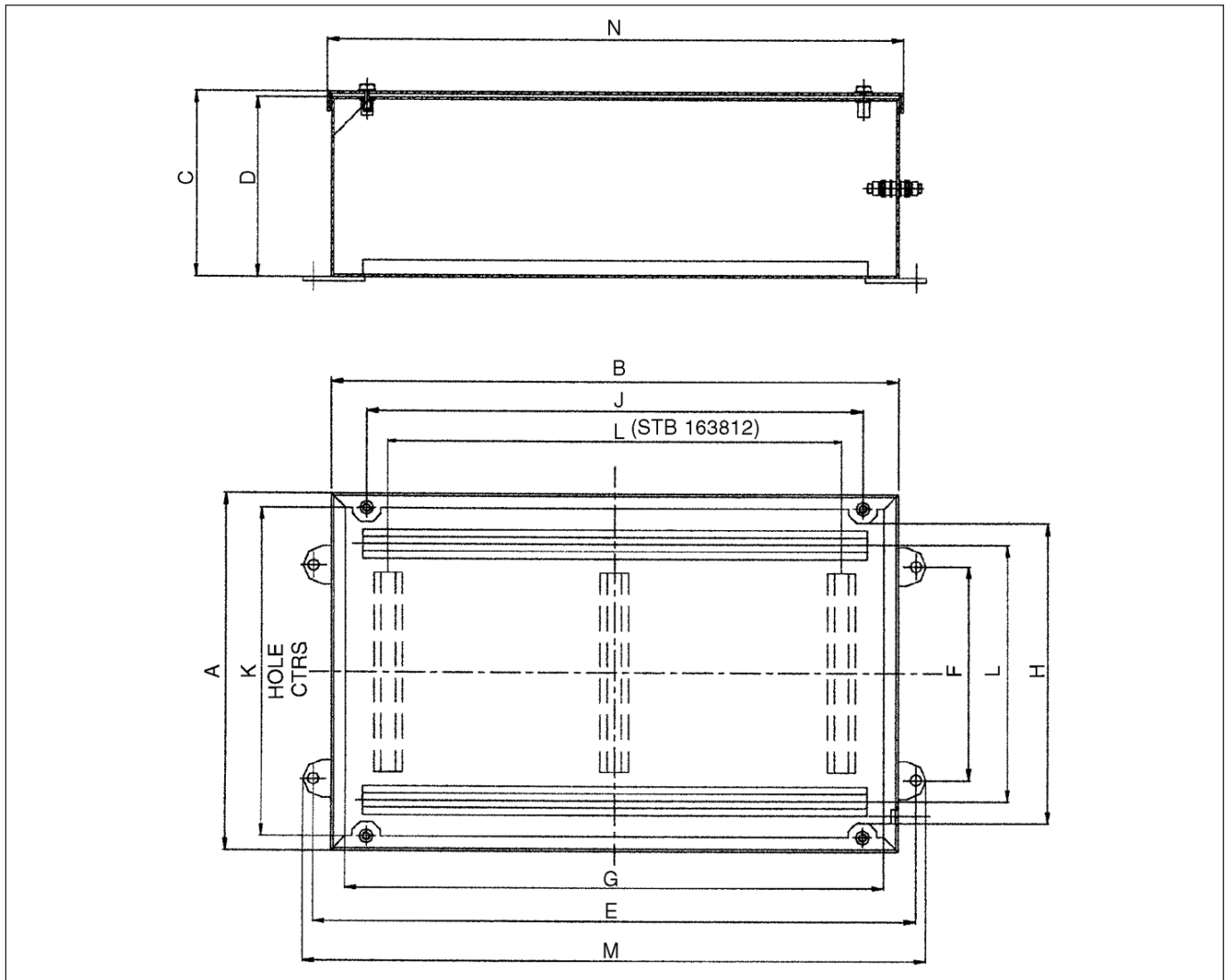
Accessories:

Mounting Hardware

Sliding mounting nuts and screws for mounting assemblies or components to the support rail type TAS 20

Description	Type	Cat. #
M5 screw for TS 32/TS 35	SFNS 5	ACCSFNM5
M4 screw for TS15	SFNS 4	ACCSFNM4
M3 screw for terminal strips	SFNS 3	ACCSFNM3
Ground Stud Kits	M6 Brass	ACCBSES M6 KIT

Dimensions In Inches:



Cat. #	A	B	C	D	E	F	G	H	J	K	L	M	N
STB 121208	4.72	4.72	3.15	2.99	5.71	N/A	3.94	3.15	2.76	3.94	N/A	6.26	4.96
STB 151208	5.90	4.72	3.15	2.99	5.71	N/A	5.12	3.15	3.94	3.94	N/A	6.26	6.14
STB 151509	5.90	5.90	3.54	3.39	6.89	N/A	3.94	5.12	3.94	5.12	N/A	7.44	6.14
STB 191509	7.48	5.90	3.54	3.39	6.89	N/A	6.69	4.33	5.12	5.51	N/A	7.44	7.72
STB 191910	7.48	7.48	3.94	3.78	8.46	N/A	6.69	5.90	5.51	6.69	N/A	9.02	7.72
STB 252512	9.84	9.84	4.72	4.57	10.83	N/A	9.05	8.27	9.05	9.05	7.09	11.38	16.08
STB 163812	6.30	14.96	4.72	4.57	15.94	3.15	14.17	4.72	12.99	5.51	11.81	16.50	15.20
STB 254030	9.84	15.75	5.12	4.96	16.73	5.90	14.96	8.27	13.78	9.05	7.09	17.28	15.98


Sheet or Stainless Steel High Voltage Junction Box

Features/Applications:

- The high voltage enclosures have been designed for the termination of high voltage pumps ("down hole" pumps)
- The HVB's are available in both stainless steel, fully polished or sheet steel with paint finish
- Gland plates are provided top and bottom for cable entry
- The units are complete with 3 or 4 pole assemblies to accept standard cable lugs up to 1.18" wide and an M12 hole
- Live parts are protected by a clear cover, giving protection to IP 2X
- High voltage warning labels are fitted to the cover and enclosure cover
- When using the enclosures at their full potential (i.e. 6.6 kV), high voltage cable termination kits have to be used to avoid breakdown of the cable long term



Certifications and Compliances:

 II 2 G Ex e II T6, T5, or T4 ATEX (Baseefa03ATEX0052X) Ex'e' II T4 200A, T5 180A, T6160A

 UL US LISTED UL50/C22.2 No. 94-M91 mild steel: Types 3S, 4; stainless steel: Type 4X

Specifications:

Description	Type	Specification
Material	HVB 463820 HVB 765120, 916120 Gland Plates	Stainless steel grades: standard is 316L (1.4401) & 304 on request (1.4301) or sheet steel
Finish		Painted RAL 7032 Stainless Bright Chemical Dip (polished appearance)
Gasket		Neoprene (cover & gland plates)
Cover Mounting		Fully detachable hinged cover with 4 or 6 x M6 hexagon head captive screws
Grounding		M10 internal/external stud M14 internal/external stud for 5.91in ² phase conductor only
Box Mounting		4 x external lugs with 0.39" clearance holes/slots
Ingress Protection		IP66 & IP67 to IEC 529
Temperature Range		-4°F to 104°F (ambient)
Impact Resistance		7 J (Nm)
Gland Plates		Top & Bottom
Ratings	Voltage	6.6 kV 50Hz* ac 3 phase (grounded or ungrounded supply systems)

*At frequencies above 50 Hz, current carrying capacities may require derating (e.g. motor variable speed controllers).

Maximum Current Rating (amps):

To allow American Wire Gauge (AWG) cables and current ratings for T6 to T4 temperature classes.

Conductor Size AWG (max. 5.91in ²)	Current A		
	T6 (185°F)	T5 (212°F)	T4 (275°F)
6	42	59	65
4	55	80	88
3	64	92	102
2	73	107	118
1	81	121	134
1/0	101	141	156
2/0	150	173	192
3/0	160	180	200

Maximum Wiring Space for HV Cable Termination Kits:

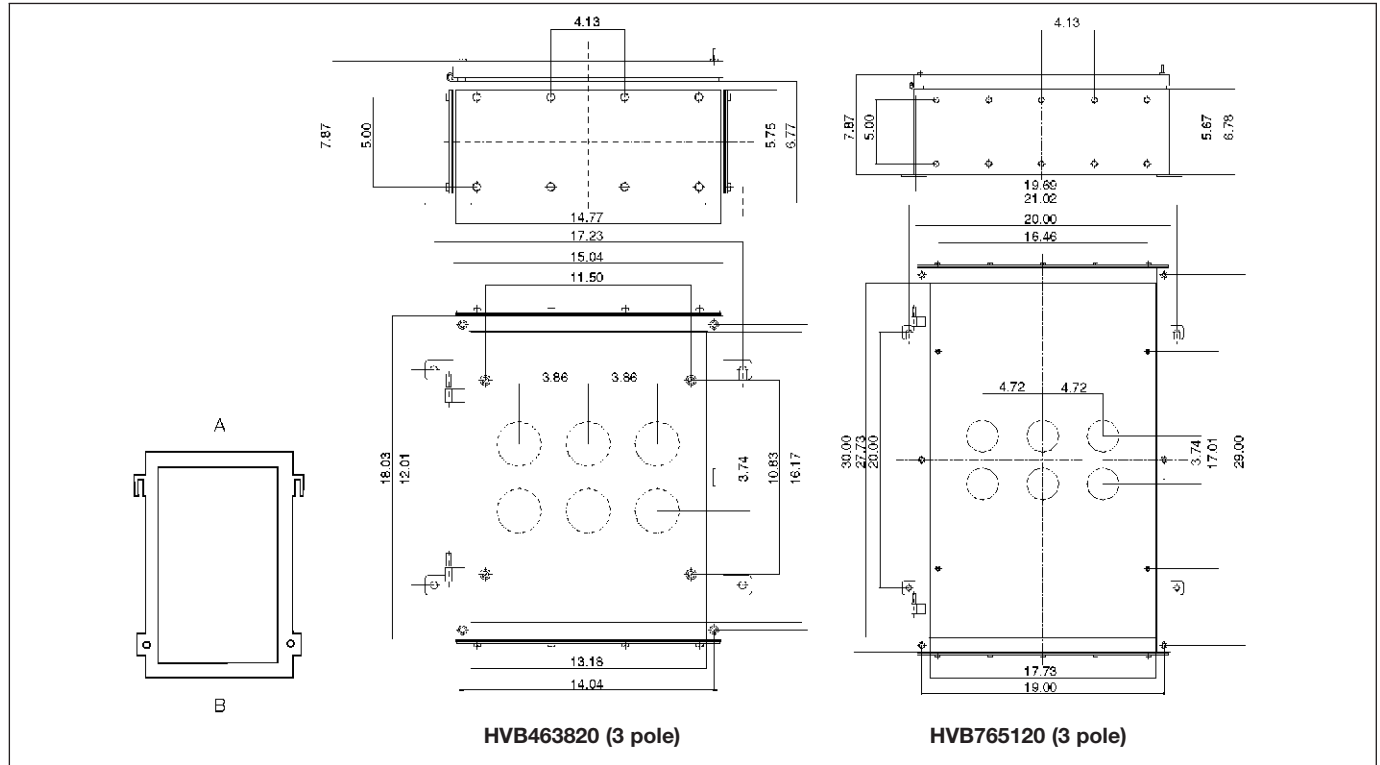
Enclosure Type	Distance Between Bolt & Gland Plate
HVB 463820	7.09"
HVB 765120	13.19"
HVB 916126	16.14"

Connections:

3 or 4 pole, consists of 6 or 8 post insulators with 0.24" brass busbars, tin lead plated. Cable alignment restrictors prevent misalignment of the conductors. Accepts standard cable lugs up to 1.18" wide and an M12 hole.

Sheet or Stainless Steel High Voltage Enclosures Ordering Information

Dimensions In Inches:



A = Top

B = Bottom

For dimensions marked with a * subtract 1.18" for 2 gland plate versions.

2E

HVB463820 (3 pole)	
Height	18.03"
Width	15.04"
Depth	7.87"
Weight	52.36 lb

HVB765120 (3 pole)	
Height	30"
Width	20"
Depth	7.87"
Weight	81.57 lb

Ordering Data:

Type	Description
M10 Ground Stud Phase Conductor 4.72in ² Max.	Standard Paint Finish Stainless Steel Finish
M14 Ground Stud Phase Conductor 5.91in ² Only	Standard Paint Finish Stainless Steel Finish

Cat. #
HVBPS463820M10 HVBS1463820M10
HVBPS463820M14 HVBS1463820M14

Cat. #
HVBPS765120M10 HVBS1765120M10
HVBPS765120M14 HVBS1765120M14

Guide to Gland Entries:

Description
Max. Gland Area Dimensions

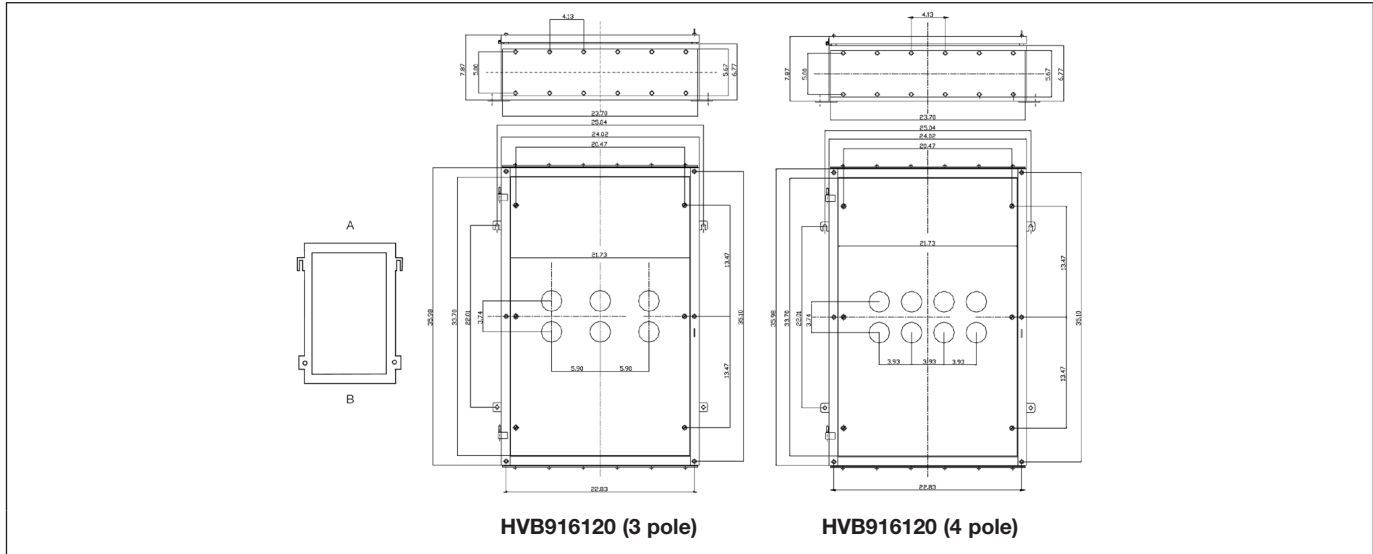
HVB463820	HVB765120
Side	Side
Size	Size
A + B	A + B
13.27" x 4.25"	18.27" x 4.25"

Gland Sizes (mm) Brass (Per Plate):

Size	HVB463820	HVB765120
40	6	8
50	4	6
63	3	4
75	3	4

Sheet or Stainless Steel
High Voltage Enclosures
Ordering Information

Dimensions
In Inches:



A = Top

B = Bottom

For dimensions marked with a * subtract 1.18" for 2 gland plate versions.

2E

HVB916120 (3 pole)

Height	35.98"
Width	24.20"
Depth	7.87"
Weight	99.21 lb

HVB916120 (4 pole)

Height	35.98"
Width	24.02"
Depth	7.87"
Weight	103.62 lb

Ordering Data:

Type	Description
M10 Ground Stud Phase Conductor 4.72in ² Max.	Standard Paint Finish Stainless Steel Finish
M14 Ground Stud Phase Conductor 5.91in ² Only	Standard Paint Finish Stainless Steel Finish

Cat. #
HVBPS916120M10
HVBS1916120M10
HVBPS916120M14
HVBS1916120M14

Cat. #
HVBPS916120M104P
HVBS1916120M104P
HVBPS916120M144P
HVBS1916120M144P

Guide to Gland Entries:

Description

Max. Gland Area Dimensions

HVB916120 (3 pole)	
Side	Size
A + B	22.28" x 4.25"

HVB916120 (4 pole)	
Side	Size
A + B	22.28" x 4.25"

Gland Sizes (mm) Brass (Per Plate):

Size	HVB916120 (3 pole)	HVB916120 (4 pole)
40	8	8
50	7	7
63	5	5
75	4	4

Applications:

- The KBX range of Ex e enclosures offers good resistance to industrial, marine, and other arduous environments
- Suitable for a wide range of applications including terminal junction boxes, housings for switches, pushbuttons, indicator lights, etc.

Features:

- Enclosure mounting holes located outside sealing area, thus not impacting IP integrity
- Equipment mounting via threaded holes suitable for mounting plate or DIN rail

Certifications and Compliances:

- ATEX: II 2 G Ex e II
- UL50, UL508
- NEMA 4
- IP66 minimum
- Temperature range: -50°C to +80°C

Standard Finish:

- Natural or powder coated

Ordering Information:

Cat. #	Dimensions (mm) (h x w x d)	Certification
KBX050503	50 x 45 x 32	ATEX/UL
KBX060605	66 x 60 x 46	ATEX/UL
KBX061005	100 x 66 x 46	ATEX/UL
KBX061505	152 x 66 x 46	ATEX/UL
KBX080806	82 x 77 x 57	ATEX/UL
KBX081306	127 x 81 x 57	ATEX/UL
KBX081806	177 x 81 x 57	ATEX/UL
KBX082506	252 x 81 x 57	ATEX/UL
KBX121208	125 x 124 x 81	ATEX/UL
KBX122208	222 x 125 x 81	ATEX/UL
KBX123608	362 x 125 x 91	ATEX/UL
KBX161609	136 x 162 x 91	ATEX/UL
KBX162609	263 x 162 x 91	ATEX/UL
KBX163609	354 x 162 x 91	UL ONLY
KBX165609	564 x 162 x 91	UL ONLY
KBX232011	234 x 204 x 111	UL ONLY
KBX232018	230 x 200 x 180	UL ONLY
KBX232811	284 x 234 x 111	UL ONLY
KBX233311	330 x 230 x 110	UL ONLY
KBX233318	330 x 230 x 180	UL ONLY
KBX234011	410 x 230 x 110	UL ONLY
KBX236011	600 x 230 x 110	UL ONLY
KBX314011	404 x 316 x 111	UL ONLY
KBX314018	402 x 310 x 180	UL ONLY
KBX316011	600 x 310 x 110	UL ONLY
KBX316018	600 x 310 x 180	UL ONLY



Sheet or Stainless Steel

Applications:

- The TBX range is an ATEX certified steel and stainless steel junction box solution fully compliant with the impact, UV, thermal, and ingress protection requirements for hazardous locations
- Available in a wide range of sizes to meet a diverse range of applications; ideal for electrical and instrumentation applications
- Using the highest quality materials, design benefits, and precision manufacturing, the TBX range is the benchmark for quality and performance in steel enclosures
- The standard depths of 150mm and 200mm can also be extended to 300mm deep (available upon request)
- The stainless steel versions are suitable for salt laden atmospheres and harsh environmental conditions

Features:

- The retained stainless steel slotted hex bolt fastenings with door retaining hinges provide a rapid means of achieving high integrity ingress protection (IP) of 66 for reliable and rapid environmental protection
- The high integrity "single piece" sealing gasket for superior ingress protection (IP) of 66 and excellent recovery and re-sealing properties for continuous environmental protection
- An integral drainage channel prevents liquids or other solid contaminants from running in or falling into the enclosure when the door is opened, and to minimize gasket path contamination
- An integral external and internal feed-through brass earth/ground stud assembly enables rapid and reliable protective earth/ground connection mounted on the side of the enclosure for ease of access
- External hinge allows cover to be opened 180°
- Heavy duty welded mounting lugs

Certifications and Compliances:

Component Certified:

- II 2 G Ex e II T4 - ATEX (BAS01ATEX2208U)
- AEx Class I, Zone 1, AEx e IIC, T6

Certification of Conformity: BAS01ATEX2207X

- II 2 G Ex e II T6 or T5
- II 1 G Ex ia II T6 or T5
- II 2 G Ex e [ia] II T6 or T5

Industrial Control Panel:

- cULus to UL50 / C22.2 No. 94-M91, Types 3S, 4, 4X



Typical TBX assembled and certified for hazardous areas



Gland entries and assembly services available - contact factory for options and customization services

Technical Specifications:

Type	Description
Material	Stainless steel grades: 316L (1.4401) standard; 304 (1.4301) available on request, or sheet steel
Material Thickness	1.5mm for TBX 231523 - 484815 2.0mm for TBX 765015 - 916120 3.0mm for all gland plates
Finish	Stainless steel - electro-chemical polish Sheet steel - powder polyester gray RAL 7032
Gasket Material	Neoprene closed cell sponge
Door Fastening	Lift off external hinged door with 180° opening, all stainless steel and captive hex fastening screws; padlock hasp fitted as standard
Enclosure Mounting	4 x external 3mm thick welded lugs, 11mm Ø holes/slots
Equipment Mounting	4 x stand off pillars Ø 9mm, 25mm high, tapped M6 x 10
Enclosure Earth	M10 external/internal brass earth stud assembly; M6 internal stud on door and painted gland plates
Ingress Protection Rating	IP66
Temperature Range	Standard: -20°C to +80°C (neoprene gasket material)
Impact Resistance	7 J (Nm)

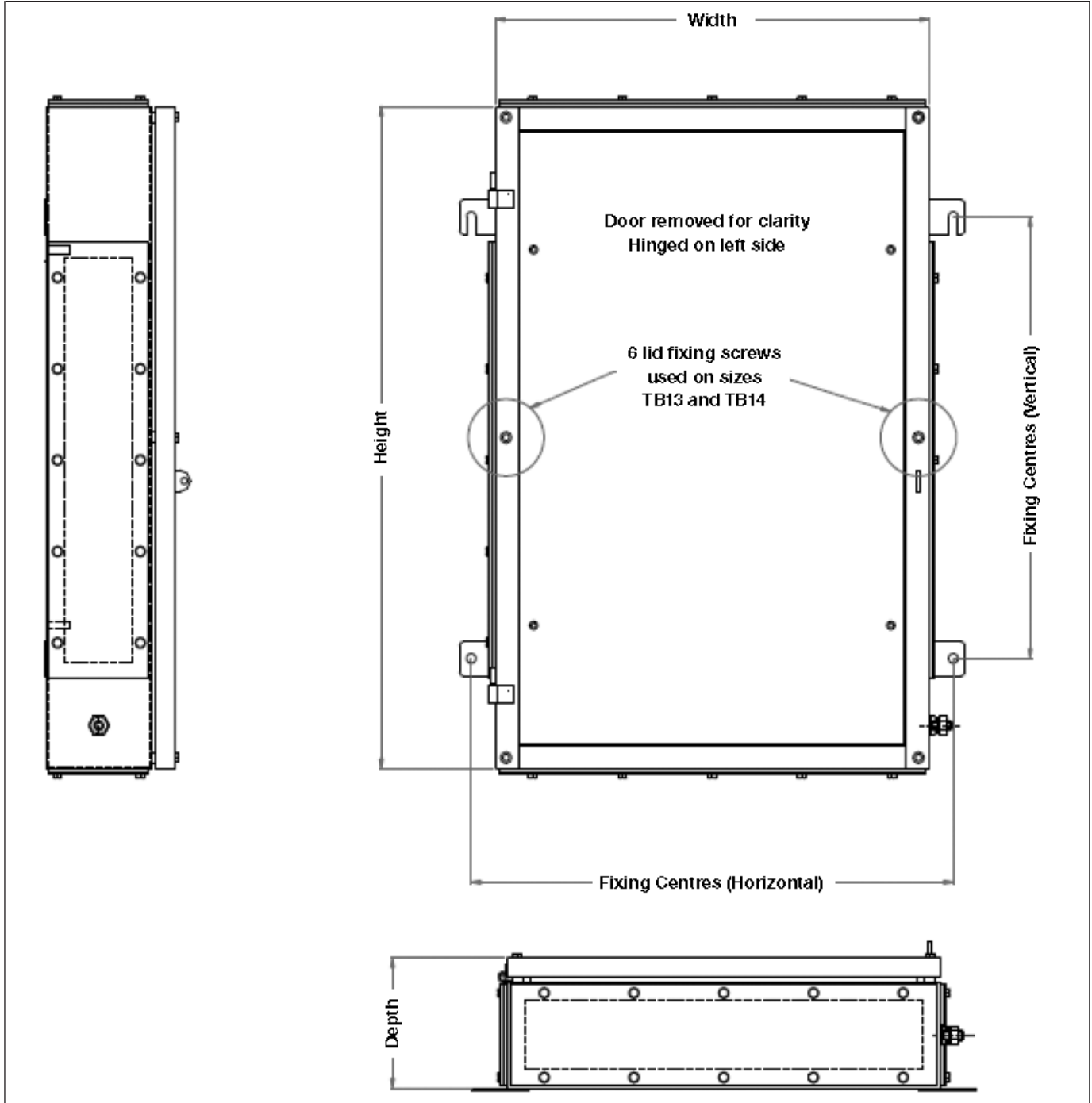
Sheet or Stainless Steel

Ordering Information:

Cat. #	Material	No. of Gland Plates	Dimensions mm (In.) (h x w x d)	Vertical Fixing Center (mm)	Horizontal Fixing Center (0, 1, & 2 Gland Plate Version)	Horizontal Fixing Center (3 & 4 Gland Plate Version)	Weight (kg)	Gland Area
TBXPS2315131	Painted Steel	1	229 x 152 x 127 (9" x 6" x 5")	152	178	208	4.00	Top & Bottom: 108 x 58
TBXPS2315133	Painted Steel	3						
TBXS12315131	316L Stainless Steel	1						
TBXS12315133	316L Stainless Steel	3	306 x 306 x 150 (12" x 12" x 6")	203	331	361	7.00	Left & Right: 108 x 58
TBXS22315131	304 Stainless Steel	1						
TBXS22315133	304 Stainless Steel	3						
TBXPS3131151	Painted Steel	1	458 x 382 x 150 (18" x 15" x 6")	305	407	437	10.00	Top & Bottom: 261 x 80
TBXPS3131153	Painted Steel	3						
TBXS13131151	316L Stainless Steel	1						
TBXS13131153	316L Stainless Steel	3	480 x 480 x 150 (19" x 19" x 6")	327	505	535	11.00	Left & Right: 156 x 80
TBXS23131151	304 Stainless Steel	1						
TBXS23131153	304 Stainless Steel	3						
TBXPS4638151	Painted Steel	1	762 x 508 x 150 (30" x 20" x 6")	508	534	564	24.00	Top & Bottom: 337 x 80
TBXPS4638153	Painted Steel	3						
TBXS14638151	316L Stainless Steel	1						
TBXS14638153	316L Stainless Steel	3	306 x 306 x 200 (12" x 12" x 8")	203	331	361	7.35	Left & Right: 337 x 80
TBXS24638151	304 Stainless Steel	1						
TBXS24638153	304 Stainless Steel	3						
TBXPS4638201	Painted Steel	1	480 x 382 x 200 (18" x 15" x 8")	305	407	437	10.50	Top & Bottom: 464 x 80
TBXPS4638203	Painted Steel	3						
TBXS14638201	316L Stainless Steel	1						
TBXS14638203	316L Stainless Steel	3	480 x 480 x 200 (18.9" x 18.9" x 8")	327	505	535	11.55	Left & Right: 337 x 124
TBXS24638201	304 Stainless Steel	1						
TBXS24638203	304 Stainless Steel	3						
TBXPS4848151	Painted Steel	1	762 x 508 x 200 (30" x 20" x 8")	508	534	564	25.20	Top & Bottom: 337 x 124
TBXPS4848153	Painted Steel	3						
TBXS14848151	316L Stainless Steel	1						
TBXS14848153	316L Stainless Steel	3	914 x 610 x 200 (36" x 24" x 8")	559	636	666	31.00	Left & Right: 464 x 108
TBXS24848151	304 Stainless Steel	1						
TBXS24848153	304 Stainless Steel	3						
TBXPS7651151	Painted Steel	1	914 x 610 x 200 (36" x 24" x 8")	559	636	666	31.00	Top & Bottom: 566 x 108
TBXPS7651153	Painted Steel	3						
TBXS17651151	316L Stainless Steel	1						
TBXS17651153	316L Stainless Steel	3	306 x 306 x 200 (12" x 12" x 8")	203	331	361	7.35	Left & Right: 566 x 108
TBXS27651151	304 Stainless Steel	1						
TBXS27651153	304 Stainless Steel	3						
TBXPS3131201	Painted Steel	1	306 x 306 x 200 (12" x 12" x 8")	203	331	361	7.35	Top & Bottom: 261 x 124
TBXPS3131203	Painted Steel	3						
TBXS13131201	316L Stainless Steel	1						
TBXS13131203	316L Stainless Steel	3	306 x 306 x 200 (12" x 12" x 8")	203	331	361	7.35	Left & Right: 156 x 108
TBXS23131201	304 Stainless Steel	1						
TBXS23131203	304 Stainless Steel	3						
TBXPS4638201	Painted Steel	1	480 x 382 x 200 (18" x 15" x 8")	305	407	437	10.50	Top & Bottom: 337 x 124
TBXPS4638203	Painted Steel	3						
TBXS14638201	316L Stainless Steel	1						
TBXS14638203	316L Stainless Steel	3	480 x 382 x 200 (18" x 15" x 8")	305	407	437	10.50	Left & Right: 337 x 124
TBXS24638201	304 Stainless Steel	1						
TBXS24638203	304 Stainless Steel	3						
TBXPS4848201	Painted Steel	1	480 x 480 x 200 (18.9" x 18.9" x 8")	327	505	535	11.55	Top & Bottom: 337 x 124
TBXPS4848203	Painted Steel	3						
TBXS14848201	316L Stainless Steel	1						
TBXS14848203	316L Stainless Steel	3	762 x 508 x 200 (30" x 20" x 8")	508	534	564	25.20	Left & Right: 337 x 124
TBXS24848201	304 Stainless Steel	1						
TBXS24848203	304 Stainless Steel	3						
TBXPS7651201	Painted Steel	1	914 x 610 x 200 (36" x 24" x 8")	559	636	666	31.00	Top & Bottom: 464 x 108
TBXPS7651203	Painted Steel	3						
TBXS17651201	316L Stainless Steel	1						
TBXS17651203	316L Stainless Steel	3	914 x 610 x 200 (36" x 24" x 8")	559	636	666	31.00	Left & Right: 464 x 108
TBXS27651201	304 Stainless Steel	1						
TBXS27651203	304 Stainless Steel	3						
TBXPS9161201	Painted Steel	1	914 x 610 x 200 (36" x 24" x 8")	559	636	666	31.00	Top & Bottom: 566 x 108
TBXPS9161203	Painted Steel	3						
TBXS19161201	316L Stainless Steel	1						
TBXS19161203	316L Stainless Steel	3	306 x 306 x 200 (12" x 12" x 8")	203	331	361	7.35	Left & Right: 566 x 108
TBXS29161201	304 Stainless Steel	1						
TBXS29161203	304 Stainless Steel	3						

Sheet or Stainless Steel

Dimensions:



2E

Hazardous Applications

Description	Page No.
GHG74 Series	see pages 780–782
KESTREL Series	see pages 783–787
TBF / TBP Series	see pages 790–792

3E Explosion Protected Terminal Boxes

Series GHG 744, 745, 746, 749

UL/cUL Listed
 Cl. I, Div. 2, Groups A, B, C, D
 Cl. I, Zones 1 & 2, AEx de IIB + H₂, T6
 Cl. II, Div. 1, Groups E, F, G (cUL)
 ATEX CERTIFIED
 IECEx
 CEPEL Certified

Ex de IIC, T6, Zones 1 & 2
 Ex de IIC, T6 Zones 21 & 22
 IP66, NEMA 4X
 GOST-R
 GOST-K

Applications:

Explosion protected terminal boxes are used in a metallic conduit or cable system for a marshalling cabinet between main circuits to the control room and branch circuits into the field.

- Junction boxes for intrinsically safe or increased safety connections
- Are designed for industrial areas such as chemical plants, oil and gas refineries, paint and varnish manufacturing plants, gasoline bulk loading terminals and finishing areas where nonmetallic, weatherproof enclosures

Features:

- Enclosures can be mounted on walls, conduits or strut systems
- Connection terminals accessible from all sides
- Snap-out brass plates for metallic entry and grounding continuity
- Snap-out terminal rails
- Clip-in grounding PE rail
- Different sizes to accommodate any number of terminal connections

Certifications and Compliances:

- UL/cUL Listed
- Class I, Division 2, Groups A, B, C, D
- Class I, Zones 1 and 2, (A)Ex de IIB+H₂, T6
- Class II, Division 1, Groups E, F, G (cUL)
- ATEX Certified
- Ex de IIC, T6, Zones 1 and 2
- Ex de IIC, T6, Zones 21 and 22
- IP66, NEMA 4X
- GOST-R and GOST-K

Standard Materials:

- Fiberglass-reinforced polyester housings
- Enclosure gasket – silicone
- Cover screws – stainless steel
- Metal entry plates – brass
- Conduit entries – zinc Myers hubs

Technical Data:

- Suitable from 1 to 296 terminal blocks (2.5mm²)
- Suitable for up to 90 – 3/4" hubs (largest size)
- Suitable for up to 72 – 3/4" metallic hubs
- Suitable for use as control panels
- Ex-e boxes and brass flanges can be field drilled



Ordering Data:

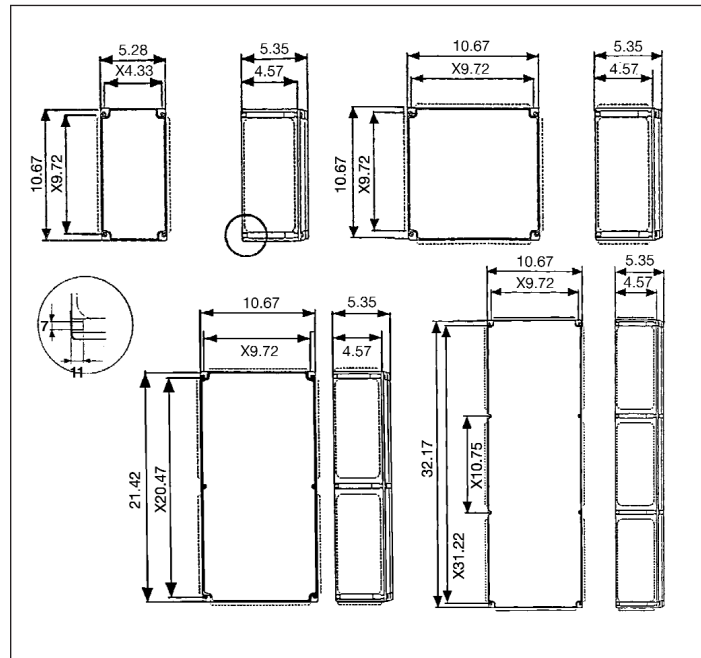
Contact factory for catalog numbers and pricing.

Have the following information ready –

- Number and size of terminals (Table 1)
- Number, size and location of entries (Tables 2 and 3)
- Required ground points (Table 4) Cooper Crouse-Hinds will provide you with an extended list

Dimensions

In Inches:



Explosion Protected Terminal Boxes

Series GHG 744, 745, 746, 749

UL/cUL Listed
 Cl. I, Div. 2, Groups A, B, C, D
 Cl. I, Zones 1 & 2, AEx de IIB + H₂, T6
 Cl. II, Div. 1, Groups E, F, G (cUL)
 ATEX CERTIFIED
 IECEx
 CEPEL Certified

Ex de IIC, T6, Zones 1 & 2
 Ex de IIC, T6 Zones 21 & 22
 IP66, NEMA 4X
 GOST-R
 GOST-K

3E

Panel and Side Designation:

The sides of the enclosures are designated as W, X, Y and Z alphabetically in a clockwise rotation. The narrow sides are always W and Y and the long sides are X and Z.

Dimensions

In Inches:

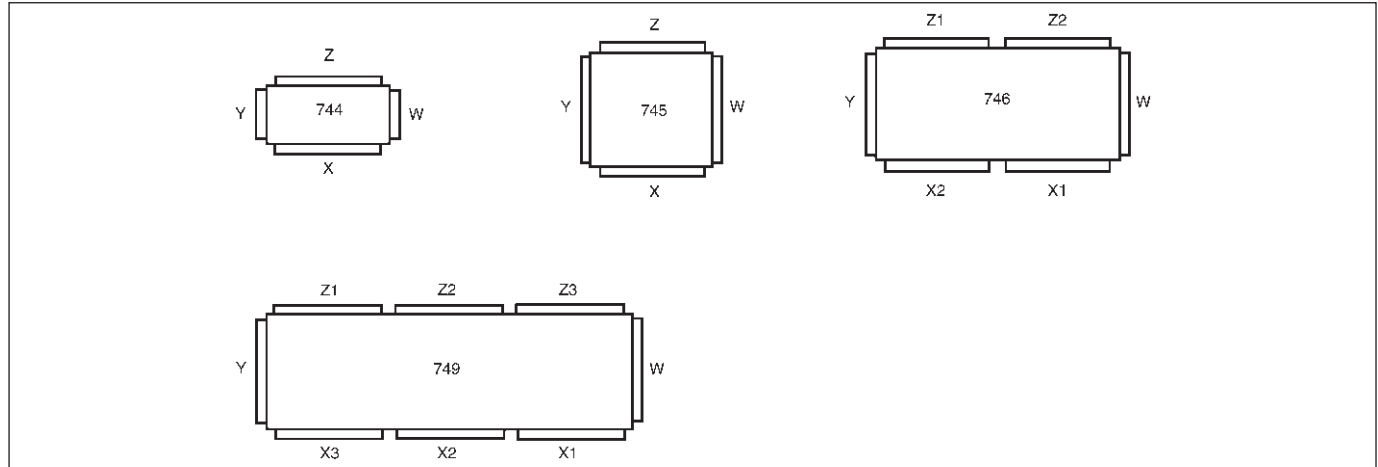


Table 1
 Maximum Number of Built-in Terminals Supplied with Enclosure
 Terminal cross section in mm²

Type	2.5	4	6	10	16	25	35	Length of terminal rail
GHG 744	39	33	33	33	17	13	-	(1) 230 mm
GHG 745	2 x 40	2 x 33	2 x 39	2 x 33	40	30	20	(2) 235 mm
GHG 746	2 x 94	2 x 78	2 x 78	2 x 35	2 x 45	2 x 34	2 x 32	(2) 510 mm
GHG 749	2 x 148	2 x 124	2 x 94	2 x 75	2 x 63	2 x 63	2 x 51	(2) 795 mm

Table 2
 Flange Arrangement for Each Enclosure

Enclosure	744	745	746	749
Removable Flanges	2 total 1 - top and bottom	4 total 1 per side	6 total 2 top and bottom 1 each side	8 total 3 top and bottom 1 each side
Covers*	Shallow	Deep or shallow	Deep or shallow	Shallow
# of DIN rails	1	1 or 2	1, 2, or 4	1, 2, or 6

Table 3
 Maximum Number of Glands Per Side

Type	Side	M12	M16	M20	M25	M32	M40	M50	M63
NPT equivalent				1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
GHG 744	X/Z	60	36	26	18	10	7	4	3
GHG 745	X/Z	60	36	26	18	10	7	4	3
GHG 746	X/Z	120	72	52	36	20	14	8	6
GHG 749	X/Z	180	108	78	54	30	21	12	9
# of glands/flange†		46	25	20	11	8	4	3	2
# of Myers hubs/flange†		-	10	9	6	3	3	3	2

† If flanges are used, fewer glands can be installed. See Table 1 for flange arrangement.
 Example: In the GHG 745 box a maximum of (10) 1/2" Myers hubs can be installed on each brass flange plates. Each side will take one brass flange for a total of (40) 1/2" Myers hubs.

*The shallow cover is standard for terminal boxes. The deep cover is used when mounting larger sized terminal (>95 mm²) or switches for 80 amps and larger.

3E Explosion Protected Terminal Boxes

Series GHG 744, 745, 746, 749

UL/cUL Listed
 Cl. I, Div. 2, Groups A, B, C, D
 Cl. I, Zones 1 & 2, AEx de IIB + H₂, T6
 Cl. II, Div. 1, Groups E, F, G (cUL)
 ATEX CERTIFIED
 IECEX
 CEPEL Certified

Ex de IIC, T6, Zones 1 & 2
 Ex de IIC, T6 Zones 21 & 22
 IP66, NEMA 4X
 GOST-R
 GOST-K

Ground Rails:

- Used to connect ground points to common ground
- PE "potential earth" – European designation
- Designated by 3 number ordering code (see Table 4)

Table 4

Explanation of 14 x 2 x 4 mm²

Number	Meaning	Example
1 st	Number of screw terminals	14 screw terminals on strip
2 nd	# wires that can be connected on each terminal	2 ground wires can be connected
3 rd	Maximum conductor diameter	4 mm ² conductors can be terminated on the ground rail (28 total, 14 terminals; 2 wires per terminal)

Use Table 5 as a conversion from AWG to mm²

Table 5

Equivalent of AWG Conductor to mm²

AWG	Area mm ²
14	2.08
12	3.31
10	5.26
8	8.37
6	13.3
4	21.15
3	26.66
2	33.63
1	42.41
1/0	53.51
2/0	67.44
3/0	85.03
4/0	107.22

3E

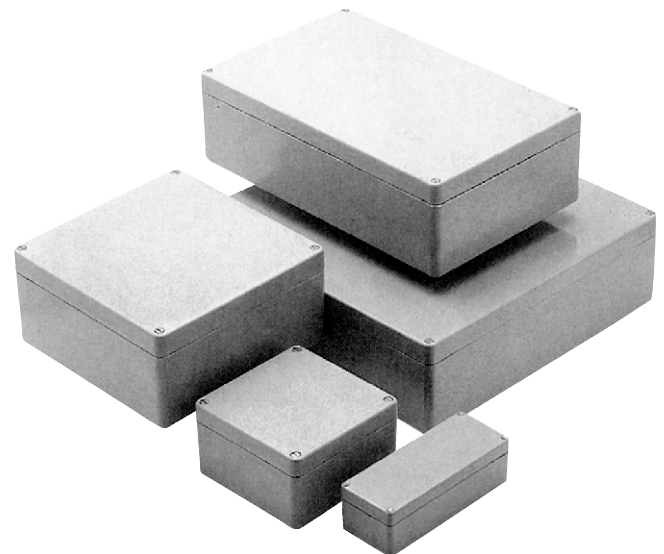
Kestrel Series

Features/Applications:

- The Kestrel series of glass reinforced polyester enclosures available in seventeen sizes in black, gray and blue, provide a high quality maintenance free solution for intermediate electrical junctions.
- Where corrosion resistance, impact strength or ingress protection are key factors the Kestrel series is highly recommended.
- Black – Kestrel "PKE" series
- Gray – Kestrel "POK" series
- Blue – Kestrel "PBE" series (Intrinsic Safety only)

Certifications and Compliances:

PKE (black) and POK (gray)
 sizes: 080806, 081106, 081606, 081906, 121309, 122210,
 161610, 162610, 163610, 252613, 254013, 256013, 414013
 Enclosure with terminals
 Ex e II T5 or T6 to EN 60079-7
 Certificate of Conformity:
 PKE: 94C. 102.961
 POK: 94C. 102.962X
 Empty enclosure Ex e II to EN 60079-7
 Component Certificate:
 PKE: 93C. 102.959U
 POK: 93C. 102.960U
 Other enclosures: Industrial applications



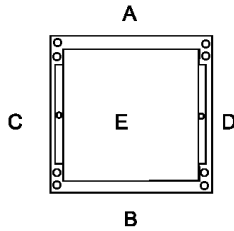
Specifications

Material		Glassfiber reinforced polyester (GRP)
Surface resistance	POK, PBE,	≥1G Ohm
	PKE	≤1G Ohm
Finish	Type PKE	Black, similar to RAL 9001
	Type POK	Grey, similar to RAL 7001
	Type PBE	Blue, similar to RAL 5012 (IS only)
Gasket		Silicone rubber
Cover mounting	Sizes 080806, 081106, 081606, 081906	4 x M4 captive stainless steel screws
	Sizes 082306	6 x M4 captive stainless steel screws
	Sizes 165610, 256013	6 x M6 captive stainless steel screws
	All other sizes	4 x M6 captive stainless steel screws
Box mounting	Sizes 080806, 081106, 081606, 081906, 082306	4 x mounting holes for M4 screws
	All other sizes	4 x mounting holes for M6 screws
Equipment mounting	Sizes 080806 + 081106	Brass mounting studs for M3 screws
	Sizes 081606, 081906, 082306	Brass mounting studs for M4 screws
	All other sizes	Brass mounting studs for M6 screws
Ingress protection	All sizes	IP68 to IEC 529 (EN 60529) (4.92ft/ 1 hour)
Temperature range		-4°F to 131°F (ambient)
Impact resistance		7J(Nm)
Toxicity		Halogens and cadmium free
Deluge test	All sizes	Spec. No. ATS01 (excluding size 165610 and 256013)

Options:

- Assembly** Terminals, Myers Hubs and cable glands fitted to specification.
- Grounding** One piece or single brass continuity plate M6/M10 internal/external ground stud.
- EMC** The PKE series can be treated to provide shielding against electromagnetic interference.

- A = Top
- B = Bottom
- C = Left hand side
- D = Right hand side
- E = Back



Size 080806

Size 081106

- Black – Kestrel "PKE" Series
- Gray – Kestrel "POK" Series
- Blue – Kestrel "PBE" Series

Height 2.95"
Width 3.15"
Depth 2.36"
Weight 12 oz

Height 2.95"
Width 4.33"
Depth 2.36"
Weight 14 oz

Ordering Data

	Cat. #
Black (GRP)	PKEPE080806
Gray (GRP)	POKPE080806
Blue (GRP)	PBEPE080806

	Cat. #
	PKEPE081106
	POKPE081106
	PBEPE081106

Guide to gland entries (Reference only)

Max. gland area dimensions through wall or enclosure.

Sides	Size
A + B	1.97" x 1.46"
C + D	1.14" x 1.26"

Sides	Size
A + B	3.15" x 1.46"
C + D	1.14" x 1.26"

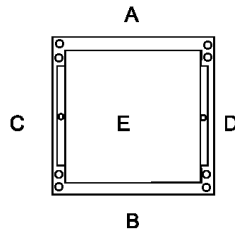
Gland sizes (mm) per side (Reference only)

Brass glands with locknuts	16
	20
	25
	32
	40
	50

	Side A + B	Side C + D
	1	1
	1	-
	-	-
	-	-
	-	-
	-	-

	Side A + B	Side C + D
	2	1
	2	-
	-	-
	-	-
	-	-
	-	-

A = Top
B = Bottom
C = Left hand side
D = Right hand side
E = Back



Size 081606

Size 081906

Black – Kestrel "PKE" Series
Gray – Kestrel "POK" Series
Blue – Kestrel "PBE" Series

Height 2.94"
Width 6.30"
Depth 2.36"
Weight 1 lb 1 oz

Height 2.94"
Width 7.48"
Depth 2.36"
Weight 1 lb 2 oz

Ordering Data

	Cat. #
Black (GRP)	PKEPE081606
Gray (GRP)	POKPE081606
Blue (GRP)	PBEPE081606

	Cat. #
	PKEPE081906
	POKPE081906
	PBEPE081906

Guide to gland entries (Reference only)

Max. gland area dimensions through wall or enclosure.

Sides	Size
A + B	5.12" x 1.46"
C + D	1.14" x 1.26"

Sides	Size
A + B	6.38" x 1.38"
C + D	1.14" x 1.14"

Gland sizes (mm) per side (Reference only)

	Side A + B	Side C + D
Brass glands with locknuts	16	4
	20	3
	25	-
	32	-
	40	-
	50	-

	Side A + B	Side C + D
	5	1
	4	-
	-	-
	-	-
	-	-
	-	-

Size 121309

Size 122210

Height 4.72"
Width 4.92"
Depth 3.54"
Weight 1 lb 8 oz

Height 4.72"
Width 8.66"
Depth 3.74"
Weight 2 lb 5 oz

	Cat. #
	PKEPE121309
	POKPE121309
	PBEPE121309

	Cat. #
	PKEPE122210
	POKPE122210
	PBEPE122210

Sides	Size
A + B	3.46" x 2.32"
C + D	2.36" x 2.01"

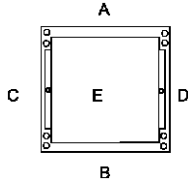
Sides	Size
A + B	7.16" x 2.48"
C + D	2.36" x 2.24"

	Side A + B	Side C + D
	4	2
	2	1
	1	1
	1	-
	-	-
	-	-

	Side A + B	Side C + D
	12	3
	5	1
	4	1
	3	1
	-	-
	-	-



A = Top
B = Bottom
C = Left hand side
D = Right hand side
E = Back



Size 161610

Size 162610

Black – Kestrel "PKE" Series
Gray – Kestrel "POK" Series
Blue – Kestrel "PBE" Series

Height 6.30"
Width 6.30"
Depth 3.74"
Weight 2 lb 14 oz

Height 6.30"
Width 10.24"
Depth 3.74"
Weight 3 lb 12 oz

Ordering Data

		Cat. #
Supplied with	Black (GRP)	PKEPE161610
	Gray (GRP)	POKPE161610
	Blue (GRP)	PBEPE161610

		Cat. #
		PKEPE162610
		POKPE162610
		PBEPE162610

Guide to gland entries (Reference only)

Max. gland area dimensions through wall or enclosure.

Sides	Size
A + B	4.49" x 2.56"
C + D	3.31" x 2.32"

Sides	Size
A + B	8.42" x 2.56"
C + D	3.31" x 2.32"

Gland sizes (mm) per side (Reference only)

		Side A + B	Side C + D
Brass glands with locknuts	16	6	4
	20	3	2
	25	2	1
	32	2	1
	40	1	-
	50	-	-

		Side A + B	Side C + D
		14	4
		6	2
		4	1
		3	1
		3	-
		-	-

Size 163610

Size 165610

Size 252613

Height 6.30"
Width 14.17"
Depth 3.74"
Weight 4 lb 7 oz

Height 6.30"
Width 22.05"
Depth 3.74"
Weight 8 lb 2 oz

Height 9.84"
Width 10.03"
Depth 4.92"
Weight 5 lb 13 oz

		Cat. #
	PKEPE163610	PKEPE165610
	POKPE163610	POKPE165610
	PBEPE163610	PBEPE165610

		Cat. #
		PKEPE252613
		POKPE252613
		PBEPE252613

Sides	Size
A + B	12.36" x 2.56"
C + D	3.31" x 2.32"

Sides	Size
A + B	2 (9.41" x 2.56")
C + D	3.31" x 2.32"

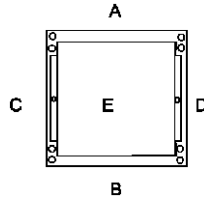
Sides	Size
A + B	8.23" x 3.58"
C + D	6.85" x 3.39"

Side A + B	Side C + D
20	4
10	2
7	1
5	1
4	-
-	-

Side A + B	Side C + D
32	4
14	2
10	1
8	1
6	-
-	-

Side A + B	Side C + D
21	15
10	8
8	6
4	3
3	2
2	2

A = Top
B = Bottom
C = Left hand side
D = Right hand side
E = Back



Size 254013

Height 9.84"
Width 15.75"
Depth 4.92"
Weight 10 lb

Size 256013

Height 9.84"
Width 23.62"
Depth 4.92"
Weight 12 lb 12 oz

Ordering Data

		Cat. #
Supplied with	Black (GRP)	PKEPE254013
	Gray (GRP)	POKPE254013
	Blue (GRP)	PBEPE254013

	Cat. #
PKEPE256013	PKEPE256013
POKPE256013	POKPE256013
PBEPE256013	PBEPE256013

Guide to gland entries (Reference only)

Max. gland area dimensions through wall or enclosure.

Sides	Size
A + B	13.94" x 3.58"
C + D	6.85" x 3.87"

Sides	Size
A + B	2 (10.31" x 3.58")
C + D	6.77" x 3.38"

Gland sizes (mm) per side (Reference only)

	Side A + B	Side C + D
Brass glands with locknuts	33	15
16	18	8
20	14	6
25	7	3
32	5	2
40	4	2
50		

	Side A + B	Side C + D
	48	15
	24	8
	20	6
	10	3
	8	2
	6	2

Size 414013

Height 15.95"
Width 15.75"
Depth 4.92"
Weight 12 lb 9 oz

Cat.

PKEPE414013
POKPE414013
PBEPE414013

Size 252617

Height 9.84"
Width 10.04"
Depth 6.50"
Weight 8 lb 8 oz

Cat.

PKEPE252617
POKPE252617
PBEPE252617

Size 254017

Height 9.84"
Width 15.75"
Depth 6.50"
Weight 11 lb 2oz

Cat.

PKEPE254017
POKPE254017
PBEPE254017

Sides	Size
A + B	13.94" x 3.58"
C + D	12.95" x 3.39"

Sides	Size
A + B	8.23" x 3.58"
C + D	6.85" x 3.39"

Sides	Size
A + B	13.94" x 3.58"
C + D	6.85" x 3.39"

Side A + B	Side C + D
33	30
18	16
14	13
7	6
5	4
4	4

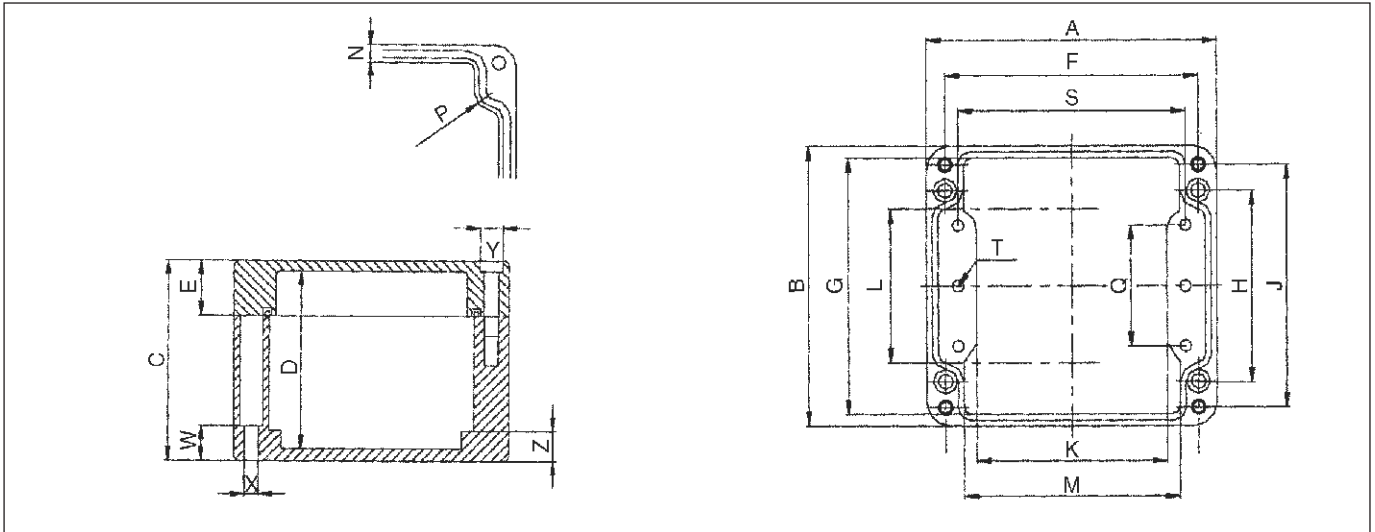
Side A + B	Side C + D
21	15
10	8
8	6
4	3
3	2
2	2

Side A + B	Side C + D
33	15
18	8
14	6
7	3
5	2
4	2



Mounting plates	Type	Cat. #	Type	Cat. #		
Mounting plates for the PKE, POK, PBE series of enclosures manufactured from 2mm zinc coated sheet steel.	080806	POKZTMP0808	163610	POKZTMP1636		
	081106	POKZTMP0811	165610	POKZTMP1656		
	081606	POKZTMP0816	252613	POKZTMP2526		
	081906	POKZTMP0819	254013	POKZTMP2540		
	082306	POKZTMP0823	256013	POKZTMP2560		
	121309	POKZTMP1213	414013	POKZTMP4140		
	122210	POKZTMP1222	252617	POKZTMP2526		
	161610	POKZTMP1616	254017	POKZTMP2540		
	162610	POKZTMP1626				
Ground continuity plates	Type	Cat. #	Type	Cat. #		
Internal continuity plates manufactured from 0.05" brass, may be used for bonding cable glands in any of the four enclosure faces.	080806	POKBSECC1	163610	POKBSECC7		
	081106	POKBSECC2	165610	POKBSECC71		
	081606	POKBSECC3	252613	POKBSECC8		
	081906	POKBSECC31	254013	POKBSECC9		
	082306	POKBSECC32	256013	POKBSECC91		
	121309	POKBSECC4	414013	POKBSECC10		
	122210	POKBSECC5	252617	POKBSECC8		
	161610	POKBSECC51	254017	POKBSECC9		
	162610	POKBSECC6				
3 mm single brass ground plates	Type (long side)	Cat. #	Type (short side)	Cat. #		
Manufactured from 0.19" brass for fitting along sides of enclosure.	121309	POKBSECP4L	121309	POKBSECP4S		
	122210	POKBSECP5L	122210	POKBSECP5S		
	162610	POKBSECP6L	162610	POKBSECP6S		
	163610	POKBSECP7L	163610	POKBSECP7S		
	252613 / 252617	POKBSECP8L	252613 / 252617	POKBSECP8S		
	254013 / 254017	POKBSECP9L	254013 / 254017	POKBSECP9S		
	414013	POKBSECP9L	414013	POKBSECP10S		
	161610	POKBSECP51L	161610	POKBSECP51S		
	165610 (4 off per box)	POKBSECP71L	165610	POKBSECP71S		
	256013 (4 off per box)	POKBSECP91L	256013	POKBSECP91S		
Ground bar	Type	Cat. #	No. of Poles	Cat. #	No. of Poles	
12 x 0.08" zinc plated steel bar complete with cable clamps having locking tongue which locates in the bar. Bars are secured to base of enclosure either directly to the brass inserts or pillars fitted to brass inserts.	121309	KBXERHK41	4	KBXERVK41	2	
	122210	KBXERHK51	6	KBXERVK41	2	
	161610	KBXERHK52	6	KBXERVK52	4	
	162610	KBXERHK61	8	KBXERVK52	4	
	163610	POKERH7	8	KBXERVK52	4	
	165610	POKERH71	8	KBXERVK52	4	
	252613	KBXERVK81	8	KBXERVK8	6	
	254013	KBXERHK81	12	KBXERVK8	6	
	256013	POKERH91	12	KBXERVK8	6	
	414013	KBXERHK81	12	KBXERHK71	8	
	252617	KBXERVK81	8	KBXERVK8	6	
	254017	KBXERHK81	12	KBXERVK8	6	
Stand off pillars	Type	Cat. #	Height			
Plated mild steel, supplied in packs of 2. Not suitable for enclosure sizes 080806, 081106, 081606, 081906 or 082306.	HR 15	ACCSOP15	0.59"			
	HR 30	ACCSOP30	1.18"			
Ground pillar kit		Cat. #				
Brass nickel plated grounding kits comprising of 1 ground bar and 2 pillars. Provide additional grounding facilities within enclosure. Suitable for enclosure sizes 080806, 081106, 081906 + 082306 only.		POKBSEPKIT				
Ground studs	Type	Cat. #				
	M6 Brass	ACCSSES M6 KIT				
	M6 Stainless steel	ACCS1ESM6KIT				
	M10 Brass	ACCSSES M10 KIT				
	M10 Stainless steel	ACCS1ESM10KIT				
Mounting feet	Type	Cat. #	Size			
Supplied in sets of 4. Complete with mounting screws.	MF5	POKMFKIT5	Small size 080806, 081106, 081606, 081906, 082306			
	MF6	POKMF KIT6	Large & all other sizes			

Dimensions In Inches:



Code	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	R	S	T	W	X	Y	Z
PKE080806	3.15	2.95	2.40	2.01	0.83	2.68	2.48	1.77	2.56	1.97	1.30	2.21	0.32	0.34	N/A	N/A	2.36	M4	0.32	0.18	0.32	0.35
PKE081106	4.33	2.95	2.40	2.01	0.83	3.86	2.48	1.77	2.56	3.15	1.30	3.39	0.32	0.34	N/A	N/A	3.54	M4	0.32	0.18	0.32	0.35
PKE081606	6.30	2.95	2.40	2.01	0.83	5.83	2.48	1.77	2.56	5.19	1.30	5.35	0.32	0.34	N/A	N/A	5.47	M4	0.32	0.18	0.32	0.35
PKE081906	7.48	2.95	2.40	2.01	0.83	7.01	2.48	1.77	2.56	6.30	1.26	6.54	0.32	0.34	N/A	N/A	6.65	M4	0.32	0.18	0.32	0.35
PKE082306	9.06	2.95	2.40	2.01	0.83	8.58	2.48	1.77	2.56	7.87	1.26	8.11	0.32	0.34	N/A	0.42	8.23	M4	0.32	0.18	0.32	0.35
PKE121309	4.92	4.72	3.54	3.15	0.98	4.29	4.09	3.23	4.33	3.23	2.60	3.66	0.32	0.41	2.05	N/A	3.86	M6	0.61	0.18	0.41	0.43
PKE122210	8.66	4.72	3.74	3.35	1.08	8.03	4.09	3.23	4.33	6.97	2.60	7.40	0.37	0.41	2.05	N/A	7.60	M6	0.61	0.26	0.41	0.43
PKE161610	6.30	1.72	3.74	3.35	0.98	5.51	5.51	4.33	5.79	4.72	3.54	4.72	0.37	0.51	2.99	N/A	5.20	M6	0.79	0.26	0.47	N/A
PKE162610	10.24	6.30	3.74	3.35	0.98	9.45	5.51	4.33	5.79	8.66	3.54	8.66	0.37	0.51	2.99	N/A	9.06	M6	0.79	0.26	0.47	N/A
PKE163610	14.17	6.30	3.74	3.35	0.98	13.39	5.51	4.33	5.79	12.60	3.54	12.60	0.39	0.51	2.99	N/A	13.07	M6	0.79	0.26	0.47	N/A
PKE165610	22.05	6.30	3.74	3.35	0.98	21.26	5.51	4.33	5.79	20.47	3.54	20.47	0.37	0.51	2.99	0.65	20.95	M6	0.79	0.26	0.47	N/A
PKE252613	10.04	6.30	4.92	4.53	1.10	9.25	9.06	7.87	9.33	8.47	7.09	8.47	0.37	0.47	3.94	N/A	8.98	M6	0.79	0.26	0.47	N/A
PKE254013	15.75	9.84	4.92	4.53	2.68	14.96	9.06	7.87	9.33	14.17	7.09	14.17	0.37	0.51	3.94	N/A	14.65	M6	0.79	0.26	0.47	N/A
PKE256013	23.62	9.84	4.92	4.53	1.10	22.84	9.06	7.87	9.33	21.99	7.03	21.99	0.37	0.35	3.94	0.51	22.62	M6	0.79	0.26	0.47	N/A
PKE414013	15.75	15.95	4.92	4.53	1.10	14.96	15.16	13.98	15.43	14.17	13.19	14.17	0.37	0.35	9.76	N/A	14.72	M6	0.79	0.26	0.47	N/A
PKE252617	10.04	9.84	6.50	6.10	2.68	9.26	9.06	7.87	9.33	8.47	7.09	8.47	0.37	0.51	3.94	N/A	8.98	M6	0.79	0.26	0.08	N/A
PKE254012	15.75	9.84	6.50	6.10	2.68	14.96	9.06	7.87	9.33	14.17	7.09	14.17	0.37	0.51	3.94	N/A	14.65	M6	0.79	0.26	0.47	N/A

Dimension R: only appears on enclosures with 6 cover mounting screws, dimension is the radius of the center mounting screws.

3E

TBF/TBP Series Glassfiber Reinforced Polyester Enclosures

Features/Applications:

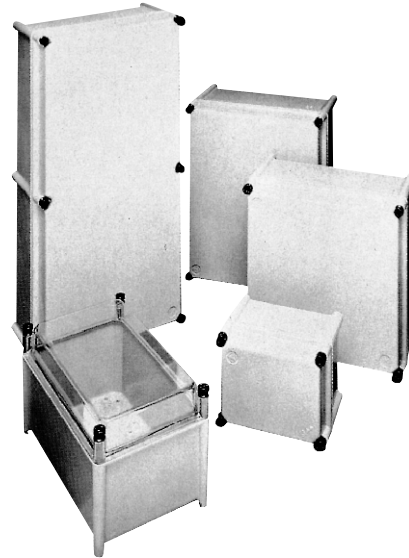
- The TBF and TBP series of enclosures are molded from a glassfiber polyester resin molding compound which is highly resistant to corrosion.
- Available in nine sizes with a minimum wall thickness of 3mm ensures they are suited to a wide range of applications such as control systems, meters, valves or instruments and are ideally suited for environments where weight is a prime consideration.

Approvals:



Enclosure with terminals TBF 191514-606018
Ex e II T6 to EN 60079-7, (BS 5501: part 6)
Certificate of Conformity: Ex 92C 3393X
TBP 301918, 303018, 373018 & 603021
Ex e II T6 to BS 4683 part 4
Certificate of Assurance Ex 79255X

Empty enclosure TBF 191514-606018
Ex e II T6 to EN 60079-7, (BS 5501: part 6)
Component Certificate: 88B.102.698U
TBP 301918, 303018, 373018 & 603021
Ex e II to BS 4683: part 4
Component Approval: 3032U



Specifications:

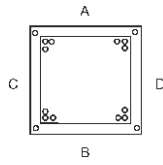
Material	TBF 191514 – 606018	Glassfiber reinforced polyester body and cover
	TBP 301918 – 603021	Glassfiber reinforced polyester body, polycarbonate cover
Gasket		Expanded polyurethane foam
Cover mounting		4 or 6 captive square threaded nylon screws
Box mounting		Integral 0.217" diameter hole External mounting lugs – optional
Equipment mounting		4 or 6 x M4 threaded inserts
Ingress protection	TBF 191514 – 606018	IP66/67 to IEC 529
	TBP 301918 – 603021	IP66 to IEC 529
Temperature range	TBF/TBP	-4°F to +203°F
Ambient temperature	T5	-4°F to +104°F
	T6	-4°F to +140°F
Impact resistance	TBF 191514 – 606018	4 J (Nm) to EN 50014
	TBP 301918 – 603021	7 J (Nm) to BS 4683: Part 4
Flammability	Glassfiber Reinforced Polyester	UL 94 HB
	Polycarbonate	UL 94 V2
Toxicity		No halogens
Oxygen index		28% (ASTM – D2863 – 77)
Surface resistivity		DIN 53482 – 12

Options (consult factory):

- Assembly** Terminals, cable glands, Myers Hubs, locks fitted to specification.
- Grounding** Single brass continuity plates, ground studs.

TBF/TBP Series Glassfiber Reinforced Polyester Enclosures

A = Top
B = Bottom
C = Left hand side
D = Right hand side



TBF 191514

Height 7.32"
Width 5.95"
Depth 5.47"
Weight 2.33 lb

TBF 301918 TBP 301918

Height 11.89"
Width 7.32"
Depth 6.89"
Weight 3.86 lb.(TBF) 3.12 lb (TBP)

Ordering Data

Supplied with	Polyester cover
	Clear polycarbonate cover

	Cat. #
	TBFPE191514

	Cat. #
	TBFPE301918
	TBPPE301918

Guide to gland entries

Max. gland area dimensions

Sides	Size
A + B	3.94" x 2.76"
C + D	5.12" x 2.76"

Sides	Size
A + B	5.12" x 3.94"
C + D	9.84" x 3.94"

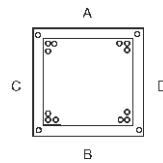
Gland sizes (mm) per side

Gland sizes (mm) per side	
Brass glands with locknuts	16
	20
	25
	32
	40
	50

Side A + B	Side C + D
4	6
2	4
2	3
-	1
-	1
-	-

Side A + B	Side C + D
10	22
6	13
4	8
3	5
1	3
1	2

A = Top
B = Bottom
C = Left hand side
D = Right hand side



TBF 303018 TBP 303018

Height 11.89"
Width 11.89"
Depth 6.89"
Weight 5 lb (TBF) 4.34 lb (TBP)

TBF 373018 TBP 373018

Height 14.65"
Width 11.89"
Depth 6.89"
Weight 6.39 lb. (TBF) 5.22 lb (TBP)

Ordering Data

Supplied with	Polyester cover
	Clear polycarbonate cover

	Cat. #
	TBFPE303018
	TBPPE303018

	Cat. #
	TBFPE373018
	TBPPE373018

Guide to gland entries

Max. gland area dimensions

Sides	Size
A + B	9.84" x 3.94"
C + D	9.84" x 3.94"

Sides	Size
A + B	9.84" x 3.94"
C + D	12.60" x 3.94"

Gland sizes (mm) per side

Gland sizes (mm) per side	
Brass glands with locknuts	16
	20
	25
	32
	40
	50

Side A + B	Side C + D
22	22
13	13
8	8
5	5
3	3
2	2

Side A + B	Side C + D
22	28
13	17
8	11
5	7
3	4
2	3

3E

TBF/TBP Series Glassfiber Reinforced Polyester Enclosures

TBF493018

Height 19.21"
Width 11.89"
Depth 6.89"
Weight 8.29 lb

Cat. #

TBFPE493018

TBF563018

Height 21.97"
Width 11.89"
Depth 6.89"
Weight 8.75 lb

Cat. #

TBFPE563018

TBF603018 TBP603021

Height 23.74"
Width 11.89"
Depth 6.89 (TBF) 8.29 (TBP)
Weight 9.66 lb (TBF) 8.60 lb (TBP)

Cat. #

TBFPE603018

TBPPE603021

Sides	Size
A + B	9.84" x 3.94"
C + D	17.17" x 3.94"

Side A + B	Side C + D
22	40
13	24
8	16
5	11
3	7
2	5

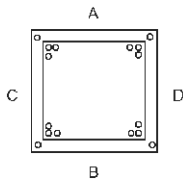
Sides	Size
A + B	9.84" x 3.94"
C + D	2 (9.84" x 3.94")

Side A + B	Side C + D
22	38
13	24
8	16
5	10
3	6
2	4

Sides	Size
A + B	9.84" x 3.94"
C + D	2 (9.84" x 3.94")

Side A + B	Side C + D
22	46
13	26
8	16
5	10
3	6
2	4

A = Top
B = Bottom
C = Left hand side
D = Right hand side



TBF603718

Height 23.74"
Width 14.65"
Depth 6.89"
Weight 11.79 lb

Cat. #

TBFPE603718

TBF606018

Height 23.74"
Width 23.74"
Depth 6.89"
Weight 16.31 lb

Cat. #

TBFPE606018

Ordering Data

Supplied with	Polyester cover
	Clear polycarbonate cover

Guide to gland entries

Max. gland area dimensions

Sides	Size
A + B	12.60" x 3.94"
C + D	2 (9.84" x 3.94")

Sides	Size
A + B	2 (9.84" x 3.94")
C + D	2 (9.84" x 3.94")

Gland sizes (mm) per side

Brass glands with locknuts	16
	20
	25
	32
	40
	50

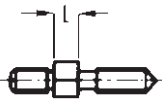
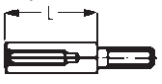
Side A + B	Side C + D
28	44
17	26
11	16
7	10
4	6
3	4

Side A + B	Side C + D
44	44
26	26
16	16
16	16
6	6
4	4

TBF/TBP Series Glassfiber Reinforced Polyester Enclosures

3E

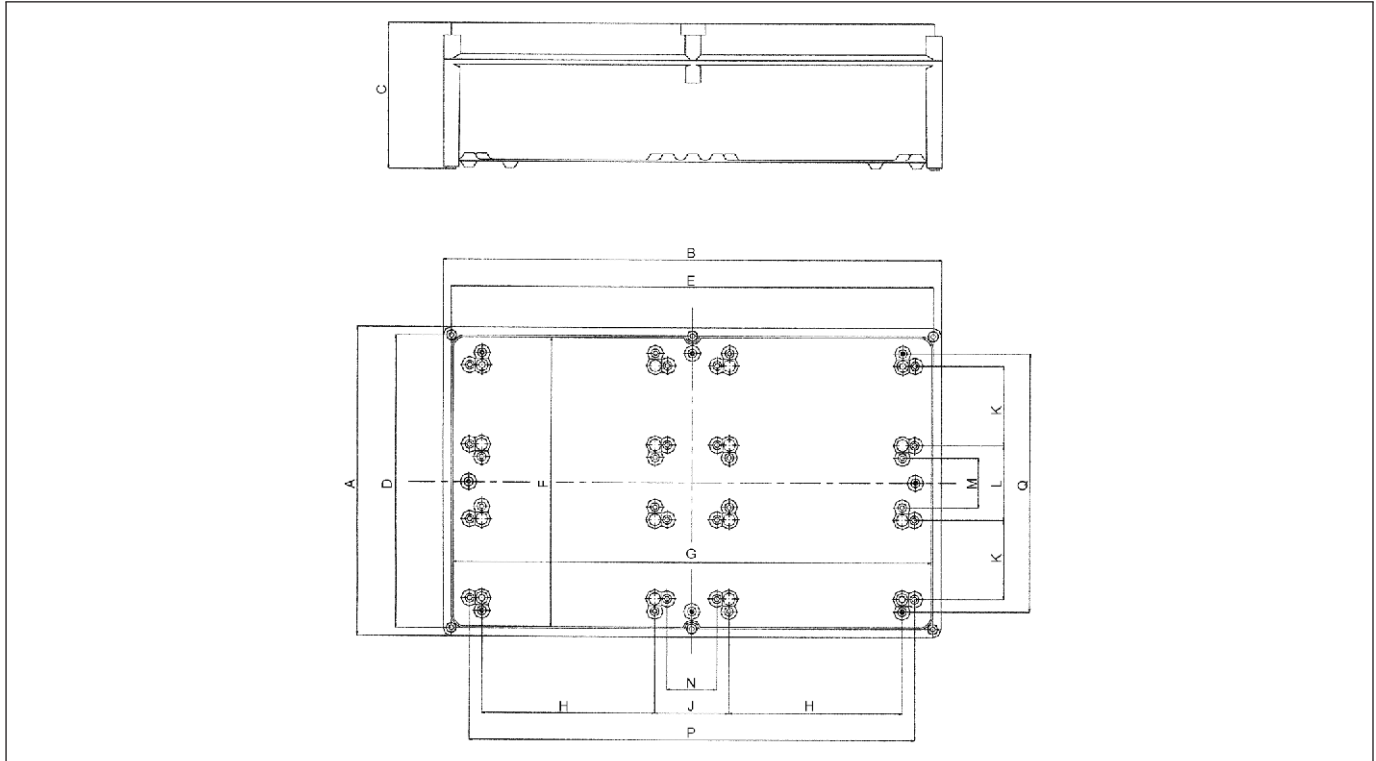
Accessories

Mounting plates	Type	Cat. #	Type	Cat. #	
For equipment mounting, manufactured from galvanized steel.	TBF/TBP191514	TBFZTMP1915	TBF563018	TBFZTMP5630	
	TBF/TBP301918	TBFZTMP3019	TBF/TBP603018/21	TBFZTMP6030	
	TBF/TBP303018	TBFZTMP3030	TBF603718	TBFZTMP6037	
	TBF/TBP373018	TBFZTMP3730	TBF606018	TBFZTMP6060	
	TBF493018	TBFZTMP4930			
3mm single brass ground plates	Type	Side	Cat. #	Side	Cat. #
Ground continuity plates manufactured from 0.12" brass. Plates must be connected to the internal ground point of the enclosure.	TPF/TBP191514	C+D	TBFBSECP1L	A+B	TBFBSECP1S
	TPF/TBP301918	C+D	TBFBSECP2L	A+B	TBFBSECP2S
	TPF/TBP303018	C+D	TBFBSECP2L	A+B	TBFBSECP2L
	TBF/TBP373018	C+D	TBFBSECP4L	A+B	TBFBSECP2L
	TBF493018	C+D	TBFBSECP4AL	A+B	TBFBSECP2L
	TBF563018	C+D (2x)	TBFBSECP4BL	A+B	TBFBSECP2L
	TBF/TBP603018/21	C+D (2x)	TBFBSECP2L	A+B	TBFBSECP2L
	TBF603718	C+D (2x)	TBFBSECP2L	A+B	TBFBSECP4L
	TBF606018	C+D (2x)	TBFBSECP2L	A+B (2x)	TBFBSECP2L
Ground studs	Type	Cat. #			
Tapped M6 for internal ground connection	M6 Brass	ACCBSES M6 KIT			
	M6 Stainless steel	ACCS1ESM6KIT			
	M10 Brass	ACCBSES M10 KIT			
	M10 Stainless steel	ACCS1ESM10KIT			
External mounting lugs	Type	Cat. #			
For external mounting points, direct mounting through the four corner holes of enclosure.	Mounting lugs Set of 4 pieces, glassfiber reinforced polyamide	TBFEMF4SET			
Cover mounting screws	Type	Cat. #			
	Slotted screw	TBFLIDSCWST			
Padlock set	Type	Cat. #			
Stainless steel, maximum diameter of padlock: 0.32"	Padlock set	TBFPADLOCK			
Hinge screw	Type	Cat. #			
Cover security device. Note: Box must be mounted prior to fitting the hinge screw.	Hinge screw Set of 2 pieces	TBFHGESRW			
Stand off pilars	Type	Cat. #	L (inches)	Thread Size	Style
 Style A	Spacer M4	TBFSOPM4X6	0.24	M4	A
	Spacer M4	TBFSOPM4X10	0.39	M4	B
	Spacer M4	TBFSOPM4X15	0.59	M4	B
	Spacer M4	TBFSOPM4X20	0.79	M4	B
	Spacer M4	TBFSOPM4X25	0.98	M4	B
	Spacer M4	TBFSOPM4X30	1.18	M4	B
	Spacer M4	TBFSOPM4X60	2.36	M4	B
	Spacer M4	TBFSOPM4X97	3.82	M4	B
	Spacer M4	TBFSOPM4X102	4.02	M4	B
	 Style B				
Plastic rain hoods	Type	Cat. #			
	Small	TBFPRHSML			
	Large	TBFPRMLGE			

3E

TBF/TBP Series Glassfiber Reinforced Polyester Enclosures

Dimensions In Inches:



3E

Code	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q
TBF/TBP191514	5.95	7.32	5.51	5.16	6.54	5.16	6.54	3.74	N/A	2.36	N/A	N/A	N/A	4.96	3.54
TBF/TBP301918	7.32	11.89	6.85	6.54	11.10	6.54	10.93	2.36	2.36	3.74	N/A	N/A	2.36	9.45	4.92
TBF/TBP303018	11.89	11.89	6.85	11.10	11.10	11.10	10.91	8.27	N/A	8.27	N/A	N/A	N/A	9.45	9.45
TBF/TBP373018	14.65	11.89	6.85	13.86	11.10	13.86	10.91	8.27	N/A	3.74	3.54	2.36	N/A	9.45	12.21
TBF/TBP493018	19.21	11.89	6.87	18.35	11.02	18.39	10.91	8.27	N/A	3.74	N/A	N/A	N/A	9.45	16.77
TBF/TBP563018	21.97	11.89	6.87	21.10	11.02	21.14	10.91	8.27	N/A	3.74	3.54	2.36	N/A	9.45	19.53
TBF/TBP603018	11.89	23.74	6.87	11.02	22.87	11.06	21.91	9.47	2.36	8.27	N/A	N/A	2.36	21.30	9.45
TBF/TBP603718	14.65	23.74	6.93	13.78	22.87	13.82	31.91	9.47	2.36	3.74	3.54	2.36	2.39	21.30	12.21
TBF/TBP606018	23.74	23.74	8.25	22.87	22.87	21.91	21.91	8.27	2.36	8.27	3.54	2.36	3.54	20.10	21.26

Non-hazardous Applications

Description	Page No.
QBX Series	see pages 796–798
PTB/PTC Series	see pages 799–800
W Series	see page 801
RS / RSM / RSS Series	see page 810

**Sheet or Stainless Steel
Removable Hinge Cover****QBX Series****Features/Applications:**


The QBX series of enclosures are available in two types of material and have been developed for the light industrial market.

Stainless steel is recommended to give maximum protection for components in outdoor/aggressive environments.

Specifically designed for the accommodation of rail mounted terminals or other electro/pneumatic components. The QBX series is user friendly and offers good access internally.

- Fully removable hinged cover, concealed hinges provide 180° opening
- Cover mounting, one or two ¼ turn latches (slot shape)
- 10 key lockable variations
- Form-in-place polyurethane gasket
- M6 ground stud in box and cover
- Mounting through internal holes (types 3S and 4) or with external lugs (type 4X)
- Pole mounting kit available

**Certifications and Compliances:**

- Class I, Division 2, Groups A, B, C, D
- cULus to UL50/C22.2 No. 94-M91 mild steel: Types 3S, 4, 4X (E115376) 
- GL Certified

Specifications:

Description	Type	Specification
Material	All Types	Stainless steel grades 304 (1.4301) or sheet steel Grade 316L (1.4404 to EN 10088) stainless steel available RAL7032 standard paint color for painted steel enclosures (others available upon request)
Finish	Flat Electro Polished Finish	Flat Electro Polished Finish
Gasket	All Types	Form-In-Place Polyurethane
Cover Mounting	All Types	2 or 3 Hinges / 1 or 2¼ Turn Latches
Gland Plates	QBX302012, 303012, 403012, 403022 All Other Sizes	1 Gland Plate Bottom Face 2 Gland Plates on Bottom Face
Grounding	All Types	M6 Studs in Base and Cover
Enclosure Mounting	All Types	Holes Through Back of Enclosure or Using External Mounting Lugs
Equipment Mounting	All Types	IP66 to BSEN60529
Temperature Range	All Types	-4°F (-20°C) to +176°F (80°C)

Factory Options (Consult Factory):

Material	Special Materials or Thickness According to Customer Specification 316L stainless steel available on all sizes (change S2 to S1 in the respective catalog number)
Finish	Special Colors According to Customer Specification
Sizes	Special Sizes According to Customer Specification
Equipment	Terminals, Myers Hubs, and Glands Assembled According to Customer Specification
Gland Plates	Drilled Cable Glands Fitted to Customer Specification
Ground Studs	Also Available Fitted to Gland Plates
Cover Attachments	e.g. Handles and Locks
Mounting Plates	All QBX Enclosures have a standard non-painted mounting plate; painted mounting plates and stainless steel mounting plates are available

Sheet or Stainless Steel Removable Hinge Cover Ordering Information and Accessories

QBX Series Ordering Information

(All QBX Enclosures include a zinc steel unpainted mounting plate in the single catalog number)

Painted Sheet Steel RAL 7032

Depth 4.72"

Size	Cat. #	Weight (lb)
11.81" x 7.87"	QBXPS302012UL	6.13
11.81" x 11.81"	QBXPS303012UL	7.96
15.75" x 11.81"	QBXPS403012UL	10.74
15.75" x 15.75"	QBXPS404012UL	13.14
19.68" x 15.75"	QBXPS504012UL	14.15
23.62" x 15.75"	QBXPS604012UL	16.33

Painted Sheet Steel RAL 7032

Depth 8.66"

Size	Cat. #	Weight (lb)
11.81" x 11.81"	QBXPS303022UL	11.35
11.81" x 15.75"	QBXPS304022UL	13.73
15.75" x 11.81"	QBXPS403022UL	13.73
15.75" x 15.75"	QBXPS404022UL	16.42
15.75" x 19.68"	QBXPS405022UL	19.11
19.68" x 15.75"	QBXPS504022UL	19.11
19.68" x 19.68"	QBXPS505022UL	22.13
19.68" x 23.62"	QBXPS506022UL	25.15
23.62" x 15.75"	QBXPS604022UL	21.62
23.62" x 19.68"	QBXPS605022UL	25.15
23.62" x 23.62"	QBXPS606022UL	28.66
27.56" x 19.68"	QBXPS705022UL	28.17
27.56" x 23.62"	QBXPS706022UL	31.81
31.50" x 23.62"	QBXPS806022UL	34.50
36.00" x 23.62"	QBXPS906022UL	38.58
36.00" x 31.50**	QBXPS908022UL	48.28
36.00" x 36.00**	QBXPS909022UL	53.13

Painted Sheet Steel RAL 7032

Depth 10.00"

Size	Cat. #	Weight (lb)
23.62" x 23.62**	QBXPS606025UL	28.66
36.00" x 23.62**	QBXPS906025UL	39.59
36.00" x 31.50**	QBXPS908025UL	49.22
36.00" x 36.00**	QBXPS909025UL	54.05

Stainless Steel (304) Brushed

Depth 4.72"

Size	Cat. #	Weight (lb)
11.81" x 7.87"	QBXS2302012UL	6.48
11.81" x 11.81"	QBXS2303012UL	8.43
15.75" x 11.81"	QBXS2403012UL	10.74
15.75" x 15.75"	QBXS2404012UL	12.34
19.68" x 15.75"	QBXS2504012UL	14.98
23.62" x 15.75"	QBXS2604012UL	18.43

Stainless Steel (304) Brushed

Depth 8.66"

Size	Cat. #	Weight (lb)
11.81" x 11.81"	QBXS2303022UL	11.40
11.81" x 15.75"	QBXS2304022UL	13.78
15.75" x 11.81"	QBXS2403022UL	13.78
15.75" x 15.75"	QBXS2404022UL	16.49
15.75" x 19.68"	QBXS2405022UL	19.19
19.68" x 15.75"	QBXS2504022UL	19.19
19.68" x 19.68"	QBXS2505022UL	22.22
19.68" x 23.62"	QBXS2506022UL	25.25
23.62" x 15.75"	QBXS2604022UL	22.26
23.62" x 19.68"	QBXS2605022UL	25.25
23.62" x 23.62"	QBXS2606022UL	29.98
27.56" x 19.68"	QBXS2705022UL	28.28
27.56" x 23.62"	QBXS2706022UL	31.95
31.50" x 23.62"	QBXS2806022UL	34.75
36.00" x 23.62"	QBXS2906022UL	39.24
36.00" x 31.50**	QBXS2908022UL	49.01
36.00" x 36.00**	QBXS2909022UL	53.90

Stainless Steel (304) Brushed

Depth 10.00"

Size	Cat. #	Weight (lb)
23.62" x 23.62**	QBXS2606025UL	29.07
36.00" x 23.62**	QBXS2906025UL	39.85
36.00" x 31.50**	QBXS2908025UL	49.60
36.00" x 36.00**	QBXS2909025UL	54.45

Note: For 316L stainless steel, change S2 to S1 in catalog number.
All enclosures are supplied with zinc coated mounting plate

Accessories:

Stand-Off Pillars M6:

Type	Cat. #	Length (Inches)
SP15 (Set of 2)	ACCSOP15	0.59"
SP20 (Set of 2)	ACCSOP20	0.79"
SP30 (Set of 2)	ACCSOP30	1.18"

Mounting Feet:

Type	Cat. #	Suitability
QMF (Set of 4)	QBXPSMF	For All Types (Steel)
QSF (Set of 4)	QBXS1MF	For All Types (Stainless Steel)

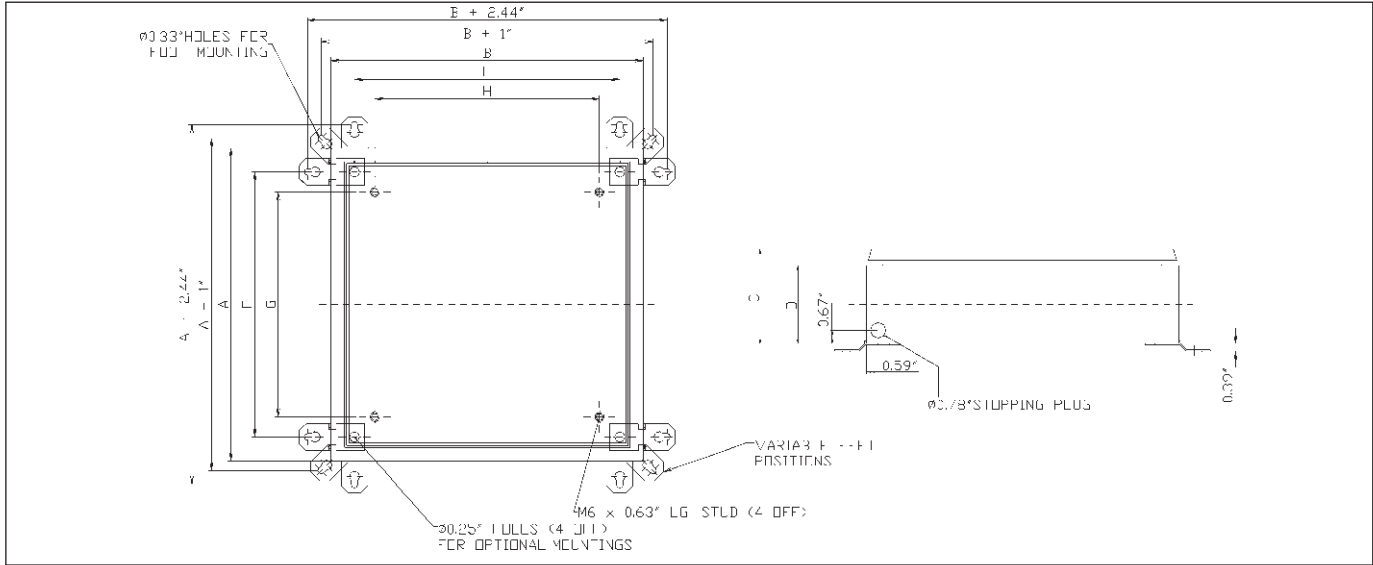
Further Accessories:

Type	Cat. #
Ground Cable	QBXEARTH CAB
Grounding Accessory Kit	QBXEARTH KIT

Type	Lock Inserts (Key Not Included Unless Stated) Cat. #	Keys Cat. #
Slot Shape	QBXLKSL0T	N/A
Eastern European (D Shape)	QBXLKEE	QBXKEYEE
Double Bit Shape	QBXLKDBS	QBXKEYDBS
Square 8mm	QBXLKSQ8	QBXKEYSQ8
Square 7mm	QBXLKSQ7	QBXKEYSQ7
Triangular 8mm	QBXLKTR8	QBXKEYTR8
Triangular 7mm	QBXLKTR7	QBXKEYTR7
Crown Shape	QBXLKCWN	QBXKEYCWN
Wing Knob Insert with Standard Key	QBXLKWKI	QBXKEYWNI
L Padlockable Handle 10mm	QBXLKPAD	N/A

**Sheet or Stainless Steel
Removable Hinge Cover
Dimensions**

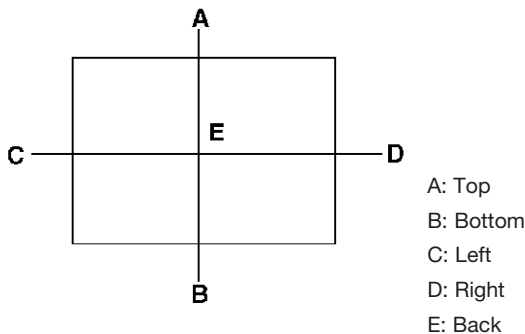
**Dimensions
In Inches:**



Enclosure Type 4.72" Depth	A Length	B Width	C Height	D	E	F	G	H
QBX302012	11.81	7.87	4.72	9.34	9.45	5.51	7.4	3.46
QBX303012	11.81	11.81	4.72	9.34	9.45	9.45	7.4	7.40
QBX403012	15.75	11.81	4.72	9.34	13.39	9.45	11.34	7.40
QBX404012	15.75	15.75	4.72	9.34	13.39	13.39	11.34	11.34
QBX504012	19.68	15.75	4.72	9.34	17.32	13.39	15.28	11.34
QBX604012	23.62	15.75	4.72	9.34	21.26	13.39	19.21	11.34

Enclosure Type 8.66" Depth	A Length	B Width	C Height	D	E	F	G	H
QBX303022	11.81	11.81	8.66	7.87	9.45	9.45	7.40	7.40
QBX304022	11.81	15.75	8.66	7.87	9.45	13.39	7.40	11.34
QBX403022	15.75	11.81	8.66	7.87	13.39	9.45	11.34	7.40
QBX404022	15.75	15.75	8.66	7.87	13.39	13.39	11.34	11.34
QBX405022	15.75	19.68	8.66	7.87	13.39	17.32	11.34	15.28
QBX504022	19.68	15.75	8.66	7.87	17.32	13.39	15.28	11.34
QBX505022	19.68	19.68	8.66	7.87	17.32	17.32	15.28	15.28
QBX506022	19.68	23.62	8.66	7.87	17.32	21.26	15.28	19.21
QBX604022	23.62	15.75	8.66	7.87	21.26	13.39	19.21	11.34
QBX605022	23.62	19.68	8.66	7.87	21.26	17.32	19.21	15.28
QBX606022	23.62	23.62	8.66	7.87	21.26	21.26	19.21	19.21
QBX705022	27.56	19.68	8.66	7.87	25.2	17.32	23.15	15.28
QBX706022	27.56	23.62	8.66	7.87	25.2	21.26	23.15	19.21
QBX806022	31.49	23.62	8.66	7.87	29.15	21.26	27.08	19.21

Enclosure side identification



For Use in Threaded Rigid or IMC Conduit Applications

Applications:

Pull Box Enclosures are installed in conduit systems (typically bridges/refineries) to:

- Act as pull and splice boxes
- Protect conductors in threaded rigid conduit
- Interconnect lengths of conduit
- Change conduit direction
- Provide access to conductors for maintenance and future system changes



Features:

- More internal cubic capacity for different sized conductors
- Accurately tapped, tapered threads (NPT) for tight, rigid joints and ground continuity
- Installed NEMA 4/IP66 gasket included with pull box enclosure (NEMA 4X for stainless steel)
- PTB - 90° pull boxes; PTC - straight pull boxes

Certifications and Compliances:

- UL514A
- CSA C22.2 No. 18

Standard Materials:

- Bodies - painted steel (RAL7032 standard; powder coated any RAL color chip available upon request)
- Bodies - 304 stainless steel (optional)
- Bodies - 316L stainless steel (standard grade of SS catalog numbers below)
- Hubs available in steel, malleable iron, stainless steel, and aluminum
- Cover bolts - 316L stainless steel

Standard Finishes:

- Polyester powder coated over zinc primer

Options:

- | | |
|--|-----------------|
| Description | Suffix |
| • Custom lengths and sizes are available | Consult Factory |
| • Powder coating to any RAL color chip | Consult Factory |
| • Cable gland options can be supplied | Consult Factory |

Finish Options:

- Electro-chemical polished stainless steel*
- Brushed stainless steel
- Polyester powder over painted stainless steel
- Natural finish stainless steel
- Polyester powder over painted carbon steel
- Galvanized carbon steel
- Zinc electroplating

*Depending on size.

Size Range:

- 12" through 48", hub size 1" to 6"

Ordering Information - Straight Pull Boxes:

Painted Steel			316L Stainless Steel			304 Stainless Steel		
Cat. No.	Hub Size	Length	Cat. No.	Hub Size	Length	Cat. No.	Hub Size	Length
PPBPS12100TC	1	12"	PPBS112100TC	1	12"	PPBS212100TC	1	12"
PPBPS12125TC	1¼	12"	PPBS112125TC	1¼	12"	PPBS212125TC	1¼	12"
PPBPS12150TC	1½	12"	PPBS112150TC	1½	12"	PPBS212150TC	1½	12"
PPBPS12200TC	2	12"	PPBS112200TC	2	12"	PPBS212200TC	2	12"
PPBPS18125TC	1¼	18"	PPBS118125TC	1¼	18"	PPBS218125TC	1¼	18"
PPBPS18150TC	1½	18"	PPBS118150TC	1½	18"	PPBS218150TC	1½	18"
PPBPS18200TC	2	18"	PPBS118200TC	2	18"	PPBS218200TC	2	18"
PPBPS18250TC	2½	18"	PPBS118250TC	2½	18"	PPBS218250TC	2½	18"
PPBPS24150TC	1½	24"	PPBS124150TC	1½	24"	PPBS224150TC	1½	24"
PPBPS24200TC	2	24"	PPBS124200TC	2	24"	PPBS224200TC	2	24"
PPBPS24250TC	2½	24"	PPBS124250TC	2½	24"	PPBS224250TC	2½	24"
PPBPS24300TC	3	24"	PPBS124300TC	3	24"	PPBS224300TC	3	24"
PPBPS36250TC	2½	36"	PPBS136250TC	2½	36"	PPBS236250TC	2½	36"
PPBPS36300TC	3	36"	PPBS136300TC	3	36"	PPBS236300TC	3	36"
PPBPS36350TC	3½	36"	PPBS136350TC	3½	36"	PPBS236350TC	3½	36"
PPBPS36400TC	4	36"	PPBS136400TC	4	48"	PPBS236400TC	4	36"
PPBPS48300TC	3	48"	PPBS148300TC	3	48"	PPBS248300TC	3	48"
PPBPS48350TC	3½	48"	PPBS148350TC	3½	48"	PPBS248350TC	3½	48"
PPBPS48400TC	4	48"	PPBS148400TC	4	48"	PPBS248400TC	4	48"
PPBPS48500TC	5	48"	PPBS148500TC	5	48"	PPBS248500TC	5	48"
PPBPS48600TC	6	48"	PPBS148600TC	6	48"	PPBS248600TC	6	48"

For Use in Threaded Rigid or IMC Conduit Applications

Ordering Information - 90° Pull Boxes:

Painted Steel

Cat. No.	Hub Size	Length
PPBPS12100TB	1	12"
PPBPS12125TB	1¼	12"
PPBPS12150TB	1½	12"
PPBPS12200TB	2	12"
PPBPS18125TB	1¼	18"
PPBPS18150TB	1½	18"
PPBPS18200TB	2	18"
PPBPS18250TB	2½	18"
PPBPS24150TB	1½	24"
PPBPS24200TB	2	24"
PPBPS24250TB	2½	24"
PPBPS24300TB	3	24"
PPBPS36250TB	2½	36"
PPBPS36300TB	3	36"
PPBPS36350TB	3½	36"
PPBPS36400TB	4	36"
PPBPS48300TB	3	48"
PPBPS48350TB	3½	48"
PPBPS48400TB	4	48"
PPBPS48500TB	5	48"
PPBPS48600TB	6	48"

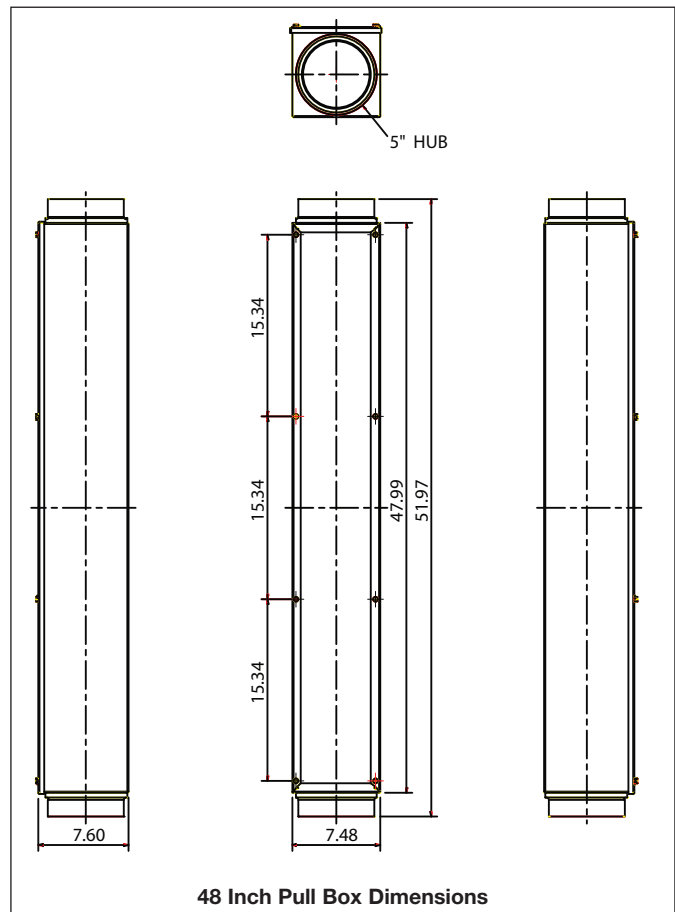
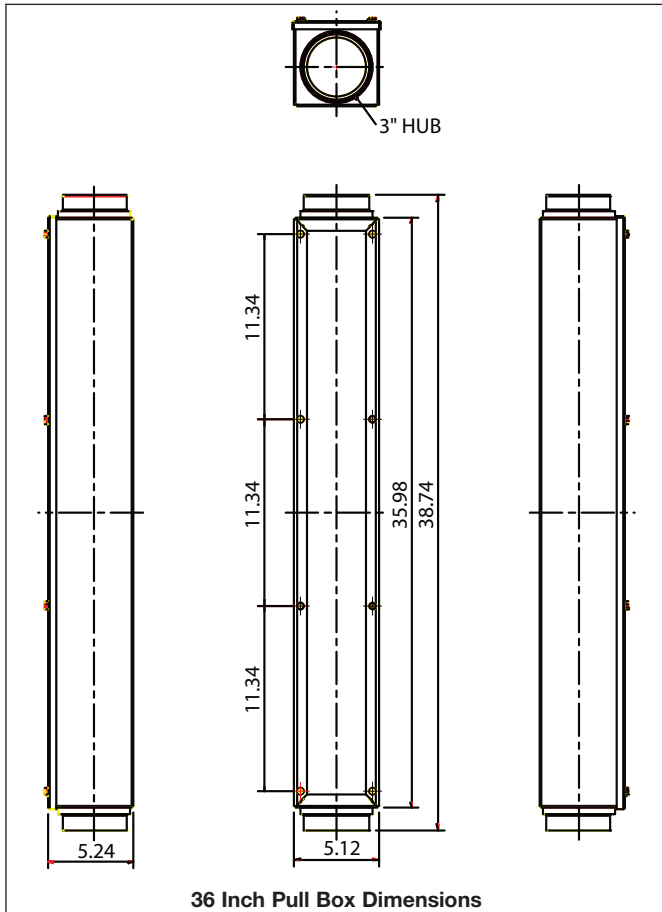
316L Stainless Steel

Cat. No.	Hub Size	Length
PPBS112100TB	1	12"
PPBS112125TB	1¼	12"
PPBS112150TB	1½	12"
PPBS112200TB	2	12"
PPBS118125TB	1¼	18"
PPBS118150TB	1½	18"
PPBS118200TB	2	18"
PPBS118250TB	2½	18"
PPBS124150TB	1½	24"
PPBS124200TB	2	24"
PPBS124250TB	2½	24"
PPBS124300TB	3	24"
PPBS136250TB	2½	36"
PPBS136300TB	3	36"
PPBS136350TB	3½	36"
PPBS136400TB	4	36"
PPBS148300TB	3	48"
PPBS148350TB	3½	48"
PPBS148400TB	4	48"
PPBS148500TB	5	48"
PPBS148600TB	6	48"

304 Stainless Steel

Cat. No.	Hub Size	Length
PPBS212100TB	1	12"
PPBS212125TB	1¼	12"
PPBS212150TB	1½	12"
PPBS212200TB	2	12"
PPBS218125TB	1¼	18"
PPBS218150TB	1½	18"
PPBS218200TB	2	18"
PPBS218250TB	2½	18"
PPBS224150TB	1½	24"
PPBS224200TB	2	24"
PPBS224250TB	2½	24"
PPBS224300TB	3	24"
PPBS236250TB	2½	36"
PPBS236300TB	3	36"
PPBS236350TB	3½	36"
PPBS236400TB	4	36"
PPBS248300TB	3	48"
PPBS248350TB	3½	48"
PPBS248400TB	4	48"
PPBS248500TB	5	48"
PPBS248600TB	6	48"

Dimensions:



Application and Selection

Applications:

Junction boxes, designed for hazardous and non-hazardous locations, are used in a variety of industries to perform the following functions:

- As a pull box
- To provide enclosures for splices and taps
- As a mounting box for multi-device control stations
- For housing apparatus, instruments, and other devices

Considerations for Selection:

- Environmental location – the physical location of the junction box will call for proper construction of the box to meet National Electrical Code requirements and will affect the material and finish needed to meet weather and corrosive conditions, if present.
- Number and size of conductors – combined with the function to be performed (i.e., splicing, pull box), determines the amount of space needed, and therefore, the required physical dimensions of the box.
- Conduit layout – determines the number, size, and location of the conduit openings in the box. It will also determine the type of mounting required (i.e., flush or surface positioning of the box).
- Flexibility required – if changes in the electrical system are anticipated, the box chosen should be easily adaptable, either by construction or size to the future system.

Options and Accessories:

A wide variety of options and accessories for special application are available for the various junction box families. These can be selected once the type of junction box has been determined. These options are shown on the individual pages. Some of the options available include:

- Special covers
- Hinged covers
- Materials and finishes
- Equipment mounting plates
- Conduit or device openings
- *Corro-free*™ epoxy powder coat – information available on request

Quick Selector Chart:

Junction Boxes	Environmental Capability/Type Designation	Size Range† L, W, D Inside	Max. Conduit Opening Size	Mtg.	Cover Type	Cover Material
WAB	Raintight/Type 3, 4 Dust-tight/Type 12	4 x 4 x 2 to 72 x 30 x 16	5	Surface	Unflanged	Steel
WCB	Raintight/Type 3, Watertight/Type 4, Dust-tight/Type 12	4 x 4 x 2 to 72 x 30 x 16	5	Surface	Overlapping	Cast iron
WJB	Raintight/Type 3, Watertight/Type 4	4 x 4 x 3 to 72 x 30 x 16	6	Surface	Flanged	Steel
WJBF	Raintight/Type 3, Watertight/Type 4	4 x 4 x 4 to 72 x 30 x 16	6	Flush	External flanged recessed sidewalk	Steel (checkered)
WEB	Raintight/Type 3	4 x 4 x 3 to 36 x 36 x 12	6	Flush	Internal Flanged	Steel

†Length and width are inside dimensions. Depth is inside dimension without cover.

Drilled and Tapped Conduit Openings or Slip Holes:

All W-Series cast-iron junction boxes may be ordered with drilled and tapped conduit openings or slip holes - subject to minimum spacing limitations.

To order a box from the factory with conduit openings, consult factory.

WJBF Checkered Cover Sidewalk Junction Boxes

**Heavy Duty
External Flanged for Flush Mounting**

Weatherproof
Watertight
Raintight
NEMA 3, 4, 5
Cl. II, Groups E, F, G
Cl. III

Applications:

WJBF boxes are primarily designed for surface mounting. WJBF heavy duty junction boxes are installed in conduit systems to:

- Act as pull box for conductors
- Provide openings and space for making splices and taps in conductors
- Provide for branch conduit runs
- Provide access to conductors for maintenance and future system changes
- Enclose and protect electrical equipment

Features:

- Covers are suitable for vehicular traffic (H20 loading)
- Neoprene gasket cemented to cover
- Wide range of drilled and tapped conduit entrance sizes and locations permits extreme flexibility of use in conduit system
- Internal equipment mounting pads may be drilled and tapped for 1/4" - 20 mounting screws
- Blind tapped into internal mounting pads
- Mounting straps are standard on smaller sized boxes up to 8x8x6, for larger sizes consult factory

Certifications and Compliances:

- CSA Standard C22.2 No. 25
- Weatherproof
- Watertight
- NEMA 3, 4, 5
- NEMA 250
- CEC:
 - Class II, Division 1, Groups E, F, G
 - Class III
 - Encl. 3, 4, 5
- H20 Vehicle Load Rating*

*Self certify to H20 vehicle load rating equivalent to 16,000 lbs. on cover center.

Standard Materials:

- *Feraloy*® iron alloy body
- Heavy-gauge steel (checkered) - cover, mounting straps
- Neoprene gaskets
- Stainless steel cover screws

Standard Finishes:

- *Feraloy* iron alloy and heavy-gauge steel - hot-dip galvanized

Options:

Description

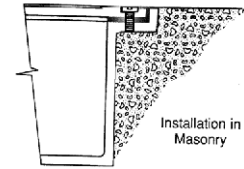
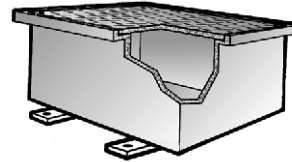
Factory installed mounting plate
Material - all sizes, cast aluminum
Drilled and tapped conduit holes and
slip holes available, Consult Factory

Suffix

MP
SA

Size Ranges:

- 4" x 4" x 2" to 72" x 30" x 16"



Ordering Information

Cat. #	Wall Thickness (in.)	Length (in.)	Width (in.)	Depth (in.)
WJBF040404	1/4	4	4	4
WJBF060404	1/4	6	4	4
WJBF060604	1/4	6	6	4
WJBF060606	1/4	6	6	6
WJBF080604	1/4	8	6	4
WJBF080606	1/4	8	6	6
WJBF080804	1/4	8	8	4
WJBF080806	1/4	8	8	6
WJBF080808	1/4	8	8	8
WJBF100806	1/4	10	8	6
WJBF100808	1/4	10	8	8
WJBF101006	1/4	10	10	6
WJBF101008	1/4	10	10	8
WJBF120606	1/4	12	6	6
WJBF120806	1/4	12	8	6
WJBF120808	1/4	12	8	8
WJBF120810	5/16	12	8	10
WJBF121206	1/4	12	12	6
WJBF121208	1/4	12	12	8
WJBF121212	5/16	12	12	12
WJBF121218	5/16	12	12	18
WJBF140806	1/4	14	8	6
WJBF141410	5/16	14	14	10
WJBF161206	1/4	16	12	6
WJBF161208	1/4	16	12	8
WJBF161606	1/4	16	16	6
WJBF180806	1/4	18	8	6
WJBF180808	1/4	18	8	8
WJBF181006	5/16	18	10	6
WJBF181206	5/16	18	12	6
WJBF181208	5/16	18	12	8
WJBF181210	3/8	18	12	10
WJBF181212	5/16	18	12	12
WJBF181218	3/8	18	12	18
WJBF181806	3/8	18	18	6
WJBF181808	3/8	18	18	8
WJBF181812	3/8	18	18	12
WJBF181818	3/8	18	18	18
WJBF241208	3/8	24	12	8
WJBF241212	3/8	24	12	12
WJBF241808	3/8	24	18	8
WJBF241810	3/8	24	18	10
WJBF241812	3/8	24	18	12
WJBF241818	3/8	24	18	18
WJBF242412	3/8	24	24	12
WJBF242418	3/8	24	24	18
WJBF242424	3/8	24	24	24
WJBF302412	3/8	30	24	12
WJBF302418	3/8	30	24	18
WJBF362418	3/8	36	24	18
WJBF362424	3/8	36	24	24

Larger sizes available up to 72" x 30" x 16" - Consult Factory

Heavy Duty Flanged for Surface Mounting

Weatherproof
Watertight
Raintight
NEMA 3, 4, 5
Cl. II, Groups E, F, G
Cl. III

Applications:

WJB boxes are primarily designed for surface mounting. WJB heavy duty junction boxes are installed in conduit systems to:

- Act as pull box for conductors
- Provide openings and space for making splices and taps in conductors
- Provide for branch conduit runs
- Provide access to conductors for maintenance and future system changes
- Enclose and protect electrical equipment

Features:

- Covers are suitable for vehicular traffic (H20 loading)
- Neoprene cover gasket
- Wide range of drilled and tapped conduit entrance sizes and locations permits extreme flexibility of use in conduit system
- Internal equipment mounting pads may be drilled and tapped for 1/4" - 20 mounting screws
- Blind tapped into internal mounting pads
- Mounting straps are standard on smaller sized boxes up to 8x8x6, for larger sizes consult factory

Certifications and Compliances:

- CSA Standard C22.2 No. 25
- Weatherproof
- Watertight
- NEMA 3, 4, 5
- NEMA 250
- CEC:
 - Class II, E, F, G
 - Class III
 - Encl. 3, 4, 5
- H20 Vehicle Load Rating*

*Self certify to H20 vehicle load rating equivalent to 16,000 lbs. on cover center.

Standard Materials:

- *Feraloy*® iron alloy body
- Heavy-gauge steel – cover and mounting straps
- Neoprene gaskets
- Stainless steel cover screws

Standard Finishes:

- *Feraloy* iron alloy and heavy-gauge steel – hot-dip galvanized

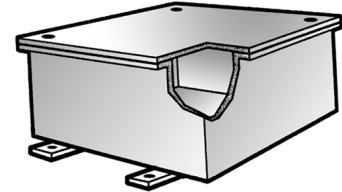
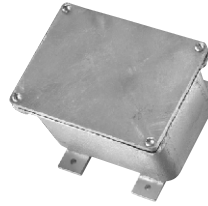
Options:

Description
Factory installed mounting plate
Material - all sizes, cast aluminum
Drilled and tapped conduit holes and slip holes available, Consult Factory

Suffix
MP
SA

Size Ranges:

- 4" x 4" x 2" to 72" x 30" x 16"



Ordering Information:

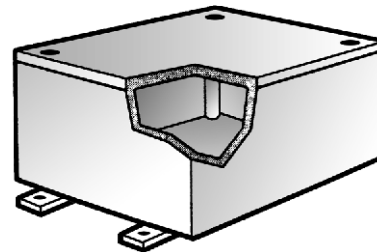
Cat. #	Wall Thickness (in.)	Length (in.)	Width (in.)	Depth (in.)
WJB040403	1/4	4	4	3
WJB040404	1/4	4	4	4
WJB060404	1/4	6	4	4
WJB060604	1/4	6	6	4
WJB060606	1/4	6	6	6
WJB080604	1/4	8	6	4
WJB080606	1/4	8	6	6
WJB080804	1/4	8	8	4
WJB080806	1/4	8	8	6
WJB080808	1/4	8	8	8
WJB100806	1/4	10	8	6
WJB100808	1/4	10	8	8
WJB101006	1/4	10	10	6
WJB101008	1/4	10	10	8
WJB120606	1/4	12	6	6
WJB120806	1/4	12	8	6
WJB120808	1/4	12	8	8
WJB120810	1/4	12	8	10
WJB121206	5/16	12	12	6
WJB121208	5/16	12	12	8
WJB121212	5/16	12	12	12
WJB121218	5/16	12	12	18
WJB140806	5/16	14	8	6
WJB141410	5/16	14	14	10
WJB161206	5/16	16	12	6
WJB161208	5/16	16	12	8
WJB161606	5/16	16	16	6
WJB180806	5/16	18	8	6
WJB180808	5/16	18	8	8
WJB181006	5/16	18	10	6
WJB181206	5/16	18	12	6
WJB181208	5/16	18	12	8
WJB181210	5/16	18	12	10
WJB181212	5/16	18	12	12
WJB181218	3/8	18	12	18
WJB181806	3/8	18	18	6
WJB181808	3/8	18	18	8
WJB181812	3/8	18	18	12
WJB181818	3/8	18	18	18
WJB241208	3/8	24	12	8
WJB241212	3/8	24	12	12
WJB241808	3/8	24	18	8
WJB241810	3/8	24	18	10
WJB241812	3/8	24	18	12
WJB241818	9/16	24	18	18
WJB242412	9/16	24	24	12
WJB242418	9/16	24	24	18
WJB242424	9/16	24	24	24
WJB302412	9/16	30	24	12
WJB302418	9/16	30	24	18
WJB362418	9/16	36	24	18
WJB362424	9/16	36	24	24

Larger sizes available up to 72" x 30" x 16" - Consult Factory

**Heavy Duty
Unflanged for Surface Mounting****Applications:**

Where a heavy duty dustproof, weatherproof enclosure is desired, WAB boxes are installed in conduit system to:

- Act as pull box for conductors
- Provide openings and space for making splices and taps in conductors
- Provide for branch conduit runs
- Provide access to conductors for maintenance and future system changes
- Enclose and protect electrical devices

**Features:**

- Flat neoprene cover gasket.
- Wide range of drilled and tapped and slip hole conduit entrance sizes and locations permits extreme flexibility of use in conduit system.
- Internal equipment mounting pads available blind tapped for 1/4" – 20 mounting screws.
- Blind tapped into internal mounting pads.
- Mounting straps are standard on smaller sized boxes up to 8x8x6, for larger sizes consult factory

**Certifications and
Compliances:**

- Dust-tight
- Weatherproof
- NEMA 3, 4, 12
- NEMA 250

Standard Materials:

- *Feraloy*® iron alloy body
- Heavy-gauge steel cover
- Neoprene gaskets
- Stainless steel cover screws
- Steel mounting straps

Standard Finishes:

- *Feraloy* iron alloy and heavy gauge steel – hot dip galvanized

Options:**Description**

Factory installed mounting plate
Material - all sizes, cast aluminum
Drilled and tapped conduit holes
and slip holes available, Consult
Factory

Suffix

MP
SA

Size Ranges:

- 4" x 4" x 2" to 72" x 30" x 16"

Ordering Information

Cat. #	Wall Thickness (in.)	Length (in.)	Width (in.)	Depth (in.)
WAB040402	5/32	4	4	2
WAB040403	3/16	4	4	3
WAB040404	1/4	4	4	4
WAB050503	1/4	5	5	3
WAB050504	1/4	5	5	4
WAB060403	1/4	6	4	3
WAB060404	7/32	6	4	4
WAB060603	1/4	6	6	3
WAB060604	3/16	6	6	4
WAB060606	9/32	6	6	6
WAB080403	5/16	8	4	3
WAB080604	7/32	8	6	4
WAB080606	5/16	8	6	6
WAB080804	5/16	8	8	4
WAB080806	5/16	8	8	6
WAB080808	5/16	8	8	8
WAB090604	5/16	9	6	4
WAB100604	1/4	10	6	4
WAB100804	1/4	10	8	4
WAB100806	9/32	10	8	6
WAB101006	1/4	10	10	6
WAB120604	9/32	12	6	4
WAB120606	9/32	12	6	6
WAB120806	9/32	12	8	6
WAB120808	3/8	12	8	8
WAB121204	9/32	12	12	4
WAB121206	9/32	12	12	6
WAB121208	9/32	12	12	8
WAB160606	1/4	16	6	6
WAB161208	5/16	16	12	8
WAB181206	5/16	18	12	6
WAB181208	5/16	18	12	8
WAB181210	3/8	18	12	10
WAB181806	3/8	18	18	6
WAB181812	7/16	18	18	12
WAB241212*	7/16	24	12	12
WAB242408*	11/32	24	24	8

*NEMA 3 only. For NEMA 4 in these sizes, use WCB
Larger sizes available up to 72" x 30" x 16" - Consult Factory

WCB Junction Boxes

Heavy Duty Overlapping Cover for Surface Mounting

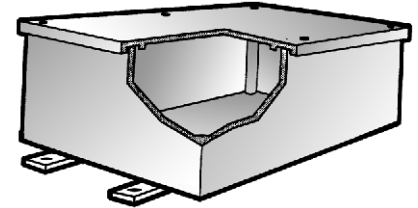
Dust-tight
Weatherproof
Watertight
Raintight
NEMA 3, 4, 12

4E

Applications:

Where a heavy duty dust-tight, weatherproof, raintight, or watertight enclosure is desired, WCB boxes are installed in conduit systems to:

- Act as pull box for conductors
- Provide openings and space for making splices and taps in conductors
- Provide for branch conduit runs
- Provide access to conductors for maintenance and future system changes
- Enclose and protect electrical devices



Features:

- Flat neoprene cover gasket.
- Overlapping cover sheds environment.
- Wide range of drilled and tapped and slip hole conduit entrance sizes and locations permits maximum flexibility of use in conduit system.
- Internal equipment mounting pads available blind tapped for 1/4" – 20 mounting screws.
- Blind tapped into internal mounting pads.
- Mounting straps are standard on smaller sized boxes up to 8x8x6, for larger sizes consult factory

Certifications and Compliances:

- Dust-tight
- Weatherproof
- Raintight
- Watertight
- NEMA 3, 4, 12
- NEMA 250

Standard Materials:

- *Feraloy*® iron alloy cover and body
- Neoprene gaskets
- Stainless steel cover screws
- Steel mounting straps

Standard Finishes:

- *Feraloy* iron alloy – hot dip galvanized

Ordering Information

Cat. #	Wall Thickness (in.)	Length (in.)	Width (in.)	Depth (in.)
WCB040402	5/32	4	4	2
WCB040403	3/16	4	4	3
WCB040404	1/4	4	4	4
WCB050503	1/4	5	5	3
WCB050504	1/4	5	5	4
WCB060403	1/4	6	4	3
WCB060404	7/32	6	4	4
WCB060603	1/4	6	6	3
WCB060604	3/16	6	6	4
WCB060606	9/32	6	6	6
WCB080403	5/16	8	4	3
WCB080604	7/32	8	6	4
WCB080606	5/16	8	6	6
WCB080804	5/16	8	8	4
WCB080806	5/16	8	8	6
WCB080808	5/16	8	8	8
WCB090604	5/16	9	6	4
WCB100604	1/4	10	6	4
WCB100804	1/4	10	8	4
WCB100806	9/32	10	8	6
WCB101006	1/4	10	10	6
WCB120604	9/32	12	6	4
WCB120606	9/32	12	6	6
WCB120806	9/32	12	8	6
WCB120808	3/8	12	8	8
WCB121204	9/32	12	12	4
WCB121206	9/32	12	12	6
WCB121208	9/32	12	12	8
WCB160606	1/4	16	6	6
WCB161208	5/16	16	12	8
WCB181206	5/16	18	12	6
WCB181208	5/16	18	12	8
WCB181210	3/8	18	12	10
WCB181806	3/8	18	18	6
WCB181812	7/16	18	18	12
WCB241212	7/16	24	12	12
WCB242408	1 1/32	24	24	8

Larger sizes available up to 72" x 30" x 16" - Consult Factory

Options:

Description

Factory installed mounting plate
Material - all sizes, cast aluminum
Drilled and tapped conduit holes
and slip holes available, Consult
Factory

Suffix

MP
SA

Size Ranges:

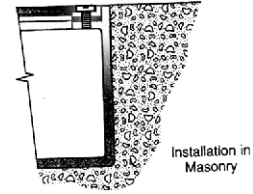
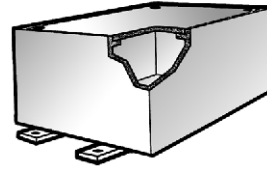
- 4" x 4" x 2" to 72" x 30" x 16"

**Heavy Duty
Internal Recess Flange for Flush Mounting**

Applications:

WEB Junction Boxes are installed:

- Where a heavy duty, dust-tight or raintight enclosure is desired
- To act as pull box for conductors
- To provide openings and space for making splices and taps in conductors
- To provide for branch conduit runs
- To provide access to conductors for maintenance and future system changes
- To enclose and protect electrical devices



Features:

- Flat neoprene cover gasket
- Internal equipment mounting pads
- Stainless steel cover screws
- Internal ground screw

**Certifications and
Compliances:**

- NEMA 250
- NEMA 3

Standard Materials:

- *Feraloy*® iron alloy body, hot dip galvanized
- Heavy-gauge steel cover, hot dip galvanized
- Stainless steel cover screws
- Neoprene gaskets

Ordering Information

Cat. #	Wall Thickness (in.)	Length (in.)	Width (in.)	Depth (in.)
WEB040403	7/32	4	4	3
WEB040404	1/4	4	4	4
WEB060604	9/32	6	6	4
WEB060606	1/4	6	6	6
WEB080804	9/32	8	8	4
WEB080806	1/4	8	8	6
WEB121206	9/32	12	12	6
WEB160606	9/32	16	6	6
WEB160806	1/4	16	8	6
WEB180808	5/16	18	8	8
WEB240606	9/32	24	6	6
WEB240808	5/16	24	8	8
WEB241010	3/8	24	10	10
WEB241210	5/16	24	12	10
WEB241212	5/16	24	12	12
WEB241812	3/8	24	18	12
WEB361212	3/8	36	12	12
WEB361812	3/8	36	18	12
WEB362412	7/16	36	24	12
WEB363612	7/16	36	36	12

Options:

Description

All boxes are available with optional mounting plate
Material - all sizes, cast aluminum
Drilled and tapped conduit holes and slip holes available, Consult Factory

Suffix

MP
SA

Ordering Information

DRILLED AND TAPPED CONDUIT OPENINGS OR SLIP HOLES

All W-Series cast-iron junction boxes may be ordered with drilled and tapped conduit openings or slip holes – subject to minimum spacing limitations listed in Table 1.

To order a box from the factory with conduit openings:

Option 1:

Send in a sketch of the box with openings specified (subject to spacing limitations specified in Table 1). OR

Option 2:

- Step 1:** Select one of the four standard arrangements in Table 2, based on number and location of conduit entries.
- Step 2:** Pick a symbol from Table 3 for each opening in the arrangement (see example).
- Step 3:** Table 4 lists the maximum size and number of conduit openings by box size and the spacing dimensions. Use Table 4 to verify the openings selected are permitted.

Example – Catalog number logic:

1. Select box required: WAB121208.
2. User wants one 1/2" drilled and tapped hole in the top of the box, two 1" drilled and tapped holes on both sides and three 1/2" slip holes in the bottom of the box.
3. Select arrangement 3 because it allows up to three openings per side.
4. Next the symbols for the openings are substituted and written in clockwise order starting with location "a". The catalog number is written in three parts; part 1 – box number, part 2 – arrangement number, part 3 – symbols for the conduit openings.
5. For this example the box would be ordered as:

WAB121208-3-0AO C0C 1A1A1A C0C
 Box Arrangement # Symbols
 Cat. # for openings

Table 1

Minimum spacing between centers of conduits

Size of Conduit	6"	5"	4"	3 1/2"	3"	2 1/2"	2"	1 1/2"	1 1/4"	1"	3/4"	1/2"
1/2"	5	4 3/8	3 5/8	3 3/8	3	2 5/8	2 3/8	2	1 7/8	1 3/4	1 5/8	1 1/2
3/4"	5 1/8	4 1/2	3 3/4	3 1/2	3 1/6	2 3/4	2 1/2	2 1/6	2	1 7/8	1 3/4	
1"	5 1/4	4 5/8	4	3 5/8	3 1/4	3	2 5/8	2 3/8	2 1/4	2		
1 1/4"	5 1/2	4 7/8	4 1/8	3 7/8	3 1/2	3 1/8	2 7/8	2 1/2	2 3/8			
1 1/2"	5 5/8	5	4 1/4	4	3 5/8	3 1/4	3	2 5/8				
2"	6	5 3/8	4 5/8	4 1/4	3 7/8	3 3/8	3 1/4					
2 1/2"	6 1/4	5 5/8	4 7/8	4 5/8	4 1/4	3 7/8						
3"	6 5/8	6	5 3/8	5	4 5/8							
3 1/2"	7	6 1/4	5 5/8	5 1/4								
4"	7 1/4	6 3/8	5 7/8									
5"	8	7 1/4										
6"	8 5/8											

Table 2

Standard conduit arrangements

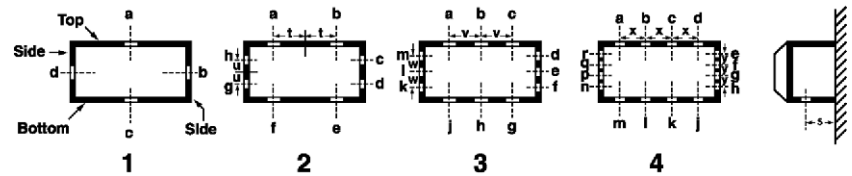
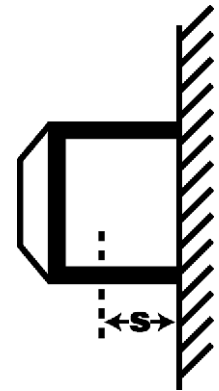


Table 3

Symbols for openings

Conduit Size	Drilled and Tapped Hole	Slip Hole
1/2"	A	1A
3/4"	B	1B
1"	C	1C
1 1/4"	E	1E
1 1/2"	F	1F
2"	G	1G
2 1/2"	H	1H
3"	J	1J
3 1/2"	K	1K
4"	L	1L
5"	M	1M
6"	N	1N
None	0 (Zero)	0 (Zero)



S = Dimension from wall to hole center line

4E

Ordering Information

DRILLED AND TAPPED CONDUIT OPENINGS OR SLIP HOLES

Table 4

Maximum Size and Number of Drilled and Tapped Conduit Openings

W Series Cat. #	Top and Bottom†				Sides				Spacing Dimensions*						
	1	2	3	4	1	2	3	4	s	t	u	v	w	x	y
040402	3/4	3/4	—	—	3/4	3/4	—	—	1 1/4	7/8	7/8	—	—	—	—
040403	1 1/4	3/4	—	—	1 1/4	3/4	—	—	1 5/8	7/8	7/8	—	—	—	—
040404	2	3/4	—	—	2	3/4	—	—	2 1/4	7/8	7/8	—	—	—	—
050503	1 1/4	3/4	—	—	1 1/4	3/4	—	—	1 5/8	1 1/4	1 1/4	—	—	—	—
050504	2	1	—	—	2	1	—	—	2 1/4	1 1/4	1 1/4	—	—	—	—
060403	1 1/4	3/4	3/4	—	1 1/4	3/4	—	—	1 5/8	1 3/8	7/8	1 3/4	—	—	—
060404	2	1 1/2	3/4	—	2	3/4	—	—	2 1/4	1 3/8	7/8	1 3/4	—	—	—
060603	1 1/4	1 1/4	3/4	—	1 1/4	1 1/4	3/4	—	1 1/4	1 3/8	1 3/8	1 3/4	1 3/4	—	—
060604	2	1 1/2	3/4	—	2	1 1/2	3/4	—	2 1/4	1 3/8	1 3/8	1 3/4	1 3/4	—	—
060606	4	1 1/2	3/4	—	4	1 1/2	3/4	—	3 3/8	1 3/8	1 3/8	1 3/4	1 3/4	—	—
080403	1 1/4	1 1/4	1	3/4	1 1/4	3/4	—	—	1 5/8	1 5/8	7/8	2 1/2	—	—	—
080604	2	2	1	3/4	2	1 1/2	3/4	—	2 1/4	1 5/8	1 3/8	2 1/2	1 3/4	1 3/4	—
080606	4	2	1	3/4	4	1 1/2	3/4	—	3 3/8	1 5/8	1 3/8	2 1/2	1 3/4	1 3/4	—
080804	2	2	1	3/4	3	2	1	3/4	2 1/4	1 5/8	1 5/8	2 1/2	2 1/2	1 3/4	1 3/4
080806	4	2	1	3/4	4	2	1	3/4	3 3/8	1 5/8	1 5/8	2 1/2	2 1/2	1 3/4	1 3/4
080808	4	2	1	3/4	4	2	1	3/4	4 1/4	1 5/8	1 5/8	2 1/2	2 1/2	1 3/4	1 3/4
090604	2	1 1/4	1 1/2	1	2	1 1/2	3/4	—	2 1/4	2 1/4	1 3/8	3	1 3/4	2	—
100604	2	2	1 1/2	1	2	1 1/2	3/4	—	2 1/4	2 1/2	1 3/8	2 3/4	1 3/4	2 1/2	—
100804	2	2	1 1/2	1	2	2	1	3/4	2 1/4	2 1/2	1 3/8	2 3/4	2 1/2	2 1/2	1 3/4
100806	4	3	1 1/2	1	4	2	1	3/4	3 3/8	2 1/2	1 5/8	2 3/4	1 3/4	2 1/2	1 3/4
100808	5	3	1 1/2	1	5	2	1	3/4	4 1/2	2 1/2	1 5/8	2 3/4	2 1/2	2 1/2	1 3/4
101006	4	3	1 1/2	1	3	3	1 1/2	1	2 3/8	2 1/2	2 1/2	2 3/4	2 3/4	2 1/2	2 1/2
101008	5	3	1 1/2	1	5	3	1 1/2	1	4 1/4	2 1/2	2 1/2	2 3/4	2 3/4	2 1/2	2 1/2
120604	2	2	2	1 1/2	2	1 1/2	3/4	—	2 1/4	3	1 3/8	4	1 3/4	2 3/4	—
120606	4	4	2 1/2	1 1/2	4	1 1/2	3/4	—	3 3/8	3	1 3/8	4	1 3/4	2 3/4	—
120806	4	4	2 1/2	2 1/2	4	2	1	3/4	3 3/8	3	1 5/8	4	2 1/2	2 3/4	1 3/4
120808	5	4	2 1/2	2 1/2	5	2	1	3/4	4 1/4	3	1 5/8	4	2 1/2	2 3/4	1 1/4
121204	2	2	2	1 1/2	2	2	2	1 1/2	2 1/4	3	3	4	4	2 3/4	2 3/4
121206	4	4	2 1/2	1 1/2	4	4	2 1/2	1 1/2	3 3/8	3	3	4	4	2 3/4	2 3/4
121208	5	4	2 1/2	1 1/2	5	4	2 1/2	1 1/2	4 1/4	3	3	4	4	2 3/4	2 3/4
121212	6	4	2 1/2	1 1/2	6	4	2 1/2	1 1/2	5	3	3	4	4	2 3/4	2 3/4
121218	6	4	2 1/2	1 1/2	6	4	2 1/2	1 1/2	5	3	3	4	4	2 3/4	2 3/4
140806	4	4	3	2	4	2	1	3/4	3 3/8	3 1/2	1 5/8	4 1/2	2 1/2	3 1/2	1 3/4
141206	4	4	3	2	4	4	2 1/2	1 1/2	3 3/8	3 1/2	3	4 1/2	4	3 1/2	2 3/4
141410	6	4	3	2	6	4	3	2	5	3 1/2	3 1/2	4 1/2	4 1/2	3 1/2	3 1/2
160606	4	4	3 1/2	2 1/2	4	1 1/2	3/4	—	3 3/8	4	1 1/2	5 3/8	2	4	—
160806	4	4	3 1/2	2 1/2	4	2 1/2	1 1/2	3/4	3 3/8	4	2	5 3/8	2 5/8	4	2
161206	4	4	3 1/2	2 1/2	4	4	2 1/2	1 1/2	3 3/8	4	3	5 3/8	4	4	3
161208	5	5	3 1/2	2 1/2	5	4	2 1/2	1 1/2	4 1/4	4	3	5 3/8	4	4	3
161606	4	4	3 1/2	2 1/2	4	4	3 1/2	2 1/2	3 3/8	4	4	5 3/8	5 3/8	4	4
180806	4	4	4	2 1/2	4	2 1/2	1 1/4	3/4	3 3/8	4 1/2	2	6	2 5/8	4 1/2	2
180808	5	5	4	2 1/2	5	2 1/2	1 1/4	3/4	4 1/4	4 1/2	2	6	2 5/8	4 1/2	2
181206	4	4	4	2 1/2	4	4	2 1/2	1 1/2	3 3/8	6 1/2	2 7/8	5 1/2	3 3/8	4	2 3/4
181208	5	5	4	2 1/2	5	4	2 1/2	1 1/2	4 1/4	4 1/2	3	5 1/2	4	4	2 3/4
181210	6	5	4	2 1/2	6	4	2 1/2	1 1/2	5	4 1/4	3	5 1/2	4	4	2 3/4

*Spacing dimensions apply to drilled and tapped holes. Space has been provided for a locknut and bushing when drilled and tapped holes are required.
 †Top and bottom are the longer dimensions on enclosures which are not square.

4E

Ordering Information

DRILLED AND TAPPED CONDUIT OPENINGS OR SLIP HOLES

Table 4 (continued)

W Series Cat. #	Maximum Size and Number of Drilled and Tapped Conduit Openings								Spacing Dimensions*						
	Top and Bottom†				Sides				s	t	u	v	w	x	y
1	2	3	4	1	2	3	4								
181212	6	5	4	2½	6	4	2½	1½	5	4½	3	5½	4	4	2¼
181218	6	5	4	2½	6	4	2½	1½	5	4½	3	5½	4	4	2¾
181806	4	4	4	2½	5	5	4	2½	3⅜	4½	4	6	5⅝	4½	4
181808	5	5	4	2½	5	5	3½	2½	4¼	4½	4	6	5⅝	4½	4
181812	6	6	4	2½	6	6	4	2½	5	4½	4½	6	6	4½	4½
240606	4	4	4	4	4	1½	¾	—	3⅜	6¾	1⅜	8	1¾	6	—
240808	5	5	5	4	5	2½	1¼	¾	4¼	6¾	4½	8	2⅝	6	2
241010	6	6	5	4	6	3	1½	1	5	6½	2½	7	2¾	5¾	2½
241208	5	5	5	4	5	4	2½	1½	4¼	6½	2⅞	7	3⅞	5¾	2¾
241210	6	6	5	4	6	4	2½	1½	5	6½	3	7	4	5¾	2¾
241212	6	6	5	4	6	4	2½	1½	5	6½	2⅞	7	3⅞	5¾	2¾
241808	5	5	5	4	5	5	4	2½	4¼	6½	4½	7	5¾	5¾	4
241810	6	6	5	4	6	6	4	2½	5	6½	4½	7	5¾	5¾	4
241812	6	6	5	4	6	5	4	2½	5	6½	4½	7	5¾	5¾	4
242408	5	5	5	4	5	5	5	4	4¼	6½	6½	7	7½	5¾	5¾
242412	6	6	5	4	6	6	5	4	5	6½	6½	7	7½	5¾	5¾
242424	6	6	5	4	6	6	5	4	6½	6¾	6½	7	7½	5¾	5¾
302412	6	6	6	5	6	6	5	4	5	7½	6¾	10	8	7½	6
361212	6	6	6	6	6	4	2½	1½	5	8¾	3	12	4	9	2¾
361812	6	6	6	6	6	5	4	2½	5	8¾	4½	12	4½	9	4
362412	6	6	6	6	6	6	5	4	5	8¾	6¾	12	8	9	6
363612	6	6	6	6	6	6	6	6	5	8¾	8¾	12	12	9	9

*Spacing dimensions apply to drilled and tapped holes. Space has been provided for a locknut and bushing when drilled and tapped holes are required.
 †Top and bottom are the longer dimensions on enclosures which are not square.

Conduit Hub Plates and Gaskets

Applications:

RS, RSM, RSS junction boxes are installed in conduit systems to:

- Act as pull box for conductors
- Provide openings and space for making splices and taps in conductors
- Provide for branch conduit runs
- Provide access to conductors for maintenance and future system changes

Features:

- Junction box bodies accept wide range of hub plates permitting varied hub arrangements and sizes
- Stocking a few components provides for many specific needs
- Future system expansion easily accomplished by substituting hub plates for currently installed plates
- Suitable for use where boxes with integral hubs cannot satisfy requirements
- Suitable for surface mounting outdoors or indoors in rigid conduit runs

Certifications and Complies:

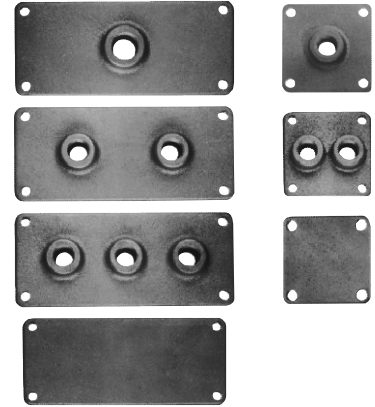
- UL Standard: 514A
- CSA Standard: C22.2 No. 18

Standard Materials:

- Bodies and hub plates – *Feraloy*® iron alloy
- Gaskets – cork

Standard Finishes:

- *Feraloy* iron alloy – electrogalvanized and aluminum acrylic paint



Junction Boxes†
Approximate Inside Dimensions

Size	Cat. #
8½ x 8½ x 4	RS1
8½ x 4½ x 4	RSM1
4½ x 4½ x 4	RSS1

Replacement Cover Gaskets

Size	Cat. #
8½ x 8½	GASK61
8½ x 4½	GASK63
4½ x 4½	GASK64

Conduit Hub Plates‡
For 8½ x 4 inch Sides of RS and RSM Boxes

Size	One Hub	Two Hub	Three Hub
	Cat. #	Cat. #	Cat. #
½	RSP1	RSP11	RSP111
¾	RSP2	RSP22	RSP222
1	RSP3	RSP33	RSP333
1¼	RSP4	RSP44	RSP444
1½	RSP5	RSP55	RSP555
2	RSP6	RSP66	
2½	RSP7		
3	RSP8		

For 4½ x 4 inch Sides of RSM and RSS Boxes

Size	One Hub Cat. #	Two Hub Cat. #
½	RSMP1	RSMP11
¾	RSMP2	RSMP22
1	RSMP3	
1¼	RSMP4	
1½	RSMP5	
2	RSMP6	
2½	RSMP7	

Replacement Hub Plate Gaskets

Size: 8½ x 4	Cat. #: GASK66
Size: 4½ x 4	Cat. #: GASK65

For 8½ x 4 inch Sides of RS and RSM Boxes

Type	Cat. #
Blank Hub Plate	RSP0

For 4½ x 4 inch Sides of RSM and RSS Boxes

Type	Cat. #
Blank Hub Plate	RSMP0

†Includes body, top cover with gasket, 4 gaskets for side plates, and 20 bolts.

‡Hub plates only. Gaskets not included.

For conduit liner ordering information, see page 850.

Non-hazardous Applications

Description	Page No.
Fiberglass Series	see page 812
NJB / NCE / NCS / NCD Series	see page 841
NJBW Series	see page 844

Reliability you can count on for the most corrosive applications

Partnering with Cooper Crouse-Hinds and our dedicated team of industry experts can help you succeed. Since 1897, we have led the development of safer, more reliable ways to power the most challenging harsh and hazardous areas. Cooper Crouse-Hinds has long been established as a leader in enclosures for Hazardous, Industrial and Commercial applications. Enclosures are engineered and manufactured to perform through the most corrosive conditions needed by OEMs, MRO, Waste Water Treatment Facilities and Chemical Plants. These exceptionally durable, corrosion resistant enclosures can withstand extreme abuse and exposure to chemicals, water, and extreme conditions.

Enclosure knowledge and experience with:






- Products that deliver superior performance
- Low maintenance choices, like durable non-metallic enclosures with features designed to provide optimum protection in the harshest environments
- Dedicated and expert sales support to help select products that perform reliably and cost effectively

A commitment to safety and productivity






Cooper Crouse-Hinds is helping more industrial facility owners, operators and engineers succeed each day – safely and cost effectively. It's part of our commitment to focus on industries where our experience, expertise and products can make the biggest impact.



Quick Selection Guide

CATALOG SERIES	PRODUCT GROUP & SIZE	MATERIALS	NUMBER OF SIZES	ENVIRONMENTAL RATING
	Small Line Series 3" x 3" to 17" x 3"	<ul style="list-style-type: none"> • Fiberglass reinforced thermoset polyester • Poured polyurethane seamless gasket • Recessed captive stainless steel screws • 304 stainless steel used on all external hardware 	11	UL/cUL CSA Std C22.2 NEMA Types 1, 3R, 4X, 6P, 12
	Pushbutton Series 6" x 3" to 13.5" x 11.5" Inline and multi-hole configurations, 30mm and 22mm configurations offered	<ul style="list-style-type: none"> • Fiberglass reinforced thermoset polyester • Poured polyurethane seamless gasket • Recessed captive stainless steel screws • 304 stainless steel used on all external hardware 	21	UL/cUL CSA Std C22.2 NEMA Types 1, 3, 4X, 6P, 12
	Junction Box Series 6" x 4" to 20" x 16"	<ul style="list-style-type: none"> • Fiberglass reinforced thermoset polyester • Poured polyurethane seamless gasket • Recessed captive stainless steel screws • 304 stainless steel used on all external hardware 	76	UL/cUL CSA Std C22.2 NEMA Types 1, 3, 4X, 6P, 12
	Raised Cover Series 6" x 4" to 20" x 16"	<ul style="list-style-type: none"> • Fiberglass reinforced thermoset polyester • Poured polyurethane seamless gasket • Stainless steel screws • 304 stainless steel used on all external hardware 	33	UL/cUL CSA Std C22.2 NEMA Types 1, 3, 4X, 6P, 12
	Advantage Series 6" x 6" to 20" x 16"	<ul style="list-style-type: none"> • Fiberglass reinforced thermoset polyester • Poured polyurethane seamless gasket • Stainless steel screws • 304 stainless steel used on all external hardware 	36	UL/cUL CSA Std C22.2 NEMA Types 1, 3, 3S, 4X, 12, 13

Quick Selection Guide

CATALOG SERIES	PRODUCT GROUP & SIZE	MATERIALS	NUMBER OF SIZES	ENVIRONMENTAL RATING
	Wall Mount Series 3R & 4X Series 16" x 10" to 48" x 36" NEMA 3R or 4X	<ul style="list-style-type: none"> Fiberglass reinforced thermoset polyester Poured polyurethane seamless gasket Stainless steel screws 304 stainless steel used on all external hardware 	28	UL/cUL CSA Std C22.2 (3R) NEMA Types 1, 3R (4X) NEMA Types 1, 3, 3R, 4X, 12
	Wall Mount Series Large Series 48" x 36" to 72" x 49" Large & Free-standing enclosures with double door options	<ul style="list-style-type: none"> Fiberglass reinforced thermoset polyester Poured polyurethane seamless gasket Stainless steel screws 304 stainless steel used on all external hardware 	7	UL/cUL CSA Std C22.2 NEMA Types 1, 3, 3R, 4X, 12
	Disconnect & Circuit Breaker Series 16" x 10" to 36" x 30" Industrial Control System applications	<ul style="list-style-type: none"> Fiberglass reinforced thermoset polyester Poured polyurethane seamless gasket Stainless steel screws 304 stainless steel used on all external hardware 	6	UL/cUL CSA Std C22.2 NEMA Types 1, 3, 3R, 4X, 12
	Xtra Deep Series 6" x 4" to 20" x 16" Extra Deep Cover	<ul style="list-style-type: none"> Fiberglass reinforced thermoset polyester Poured polyurethane seamless gasket Recessed captive stainless steel screws 304 stainless steel used on all external hardware 	11	UL/cUL CSA Std C22.2 NEMA Types 1, 3, 4X, 12
	<p>Cooper Crouse-Hinds has a full line of Krydon material enclosures. These solid, one-piece construction enclosures are made of a proprietary formulation of fiberglass reinforced polyester that has high impact strength, is fire retardant, heat resistant and withstands weathering.</p> <p>Krydon enclosures are:</p> <ul style="list-style-type: none"> Strong and durable while providing longer service life for equipment Class I, Division 2, Groups B,C,D rating on many Krydon products Are available in an expansive range of product groups Are available in hundreds of sizes and options 			

5E Fiberglass Enclosures Small Line Series

The Cooper Crouse-Hinds Small Line Series offer a lightweight, compact, versatile solution for applications requiring tight or confined spaces. The Small Line Series houses everything from terminal blocks to small positional control. Available in a choice of two body styles, these enclosures are made of fiberglass reinforced polyester and have a memory retaining polyurethane gasket and stainless steel screws for exceptional corrosion and chemical resistance. The Small Line Series will hold up under the most extreme conditions and provide protection in adverse environments such as water, steam, vapor or chemicals.

Features & Benefits:

- Lift-off cover design with 4 cover screws
- Memory retaining continuous polyurethane gasket
- Captive stainless steel cover screws
- Chemical resistant fiberglass reinforced polyester
- Submersible, non-corrosive design
- Water-tight, dust-tight
- Non-conductive, impact resistant, UV resistant
- Material cuts, drills, punches, and saws with ease and accuracy
- Rounded edges, minimal protrusions or exposed pocket areas for assembly of dust and debris
- Smooth surface, no color variations, swirls or color pockets, no voids

Certification & Compliances:

- UL/cUL 50, Types 1, 3R, 4X, 6P, 12
- UL File Number E57656
- CSA Std C22.2 - File 244248 Types 1, 3R, 4X, 6P, 12
- NEMA Standard 250 - Types 1, 3R, 4X, 6P, 12
- Temperature Range - (-76°F to +250°F) (-60°C to +120°C)
- Flammability Rating - UL94-5V
- Non-flame propagating







Materials and Finishes:

- Hot compression molded fiberglass reinforced thermoset polyester
- Poured polyurethane seamless gasket provides water-tight dust-tight environmental seal
- Captive stainless steel screws
- 304 stainless steel used on all external hardware

Options:

- Mounting feet kit available for field installation. Order part number FSJMTGFTKIT

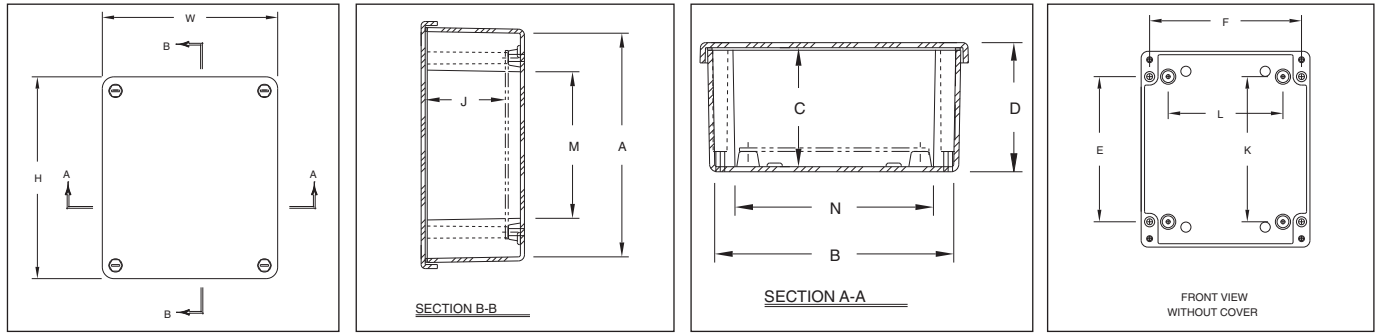
Ordering Information:

				
	FSJBS	FSJS*	NPT Size	
Inside H x W x D	4 Cover Screws With a Beveled Cover Design	4 Cover Screws With a Flat Cover Design	Mounting Plate**	
3.13 x 3.03 x 2.70	FSJBS030302			
5.38 x 3.03 x 2.87	FSJBS050302			
6.00 x 3.19 x 3.63	FSJBS060404			
7.82 x 3.03 x 2.87	FSJBS080302			
8.26 x 3.19 x 3.63	FSJBS080404			
8.75 x 3.03 x 2.87	FSJBS090302			
10.51 x 3.19 x 3.63	FSJBS110404			
13.19 x 3.03 x 2.87	FSJBS140302			
16.75 x 3.03 x 2.87	FSJBS170302			
6.90 x 5.90 x 2.88		FSJS070603		FMP0706
9.15 x 5.90 x 2.88		FSJS090603		FMP0906

* Flat Cover

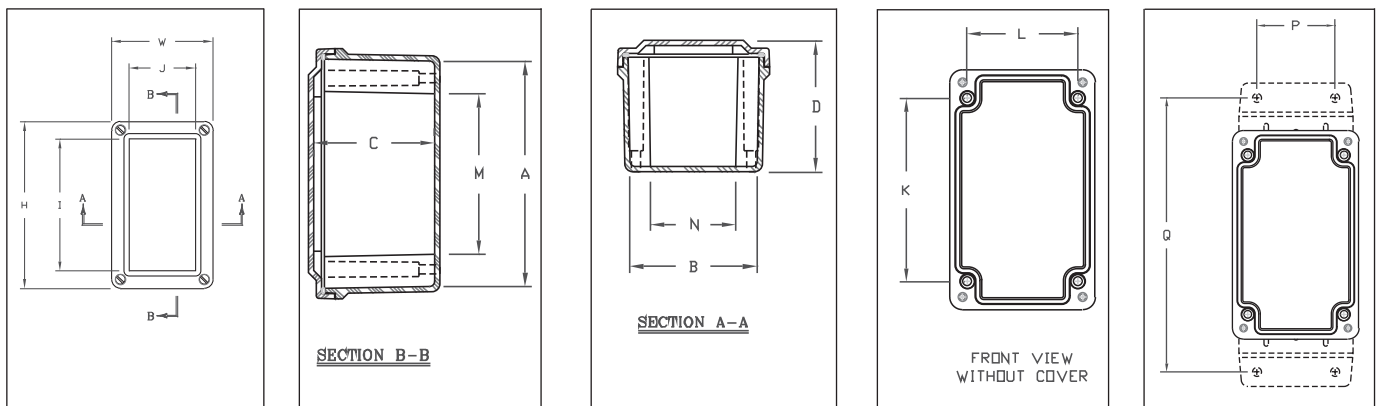
** Available in: Aluminum (SA), Fiberglass (FG), Carbon Steel (C), and Stainless Steel (SS)
To order, add the suffix to the end of the part number

Dimensional Drawings



FSJS Configuration Dimensions In Inches (mm)

Catalog Number	Overall H x W x D	Inside A x B x C	Mounting E x F	J	K	L	M	N	Weight
FSJS070603	7.63 x 6.63 x 3.19 (194 x 168 x 81)	6.90 x 5.90 x 2.88 (175 x 150 x 73)	5.37 x 5.63 (137 x 143)	2.48 (63)	5.3 (137)	4.25 (108)	4.52 (115)	4.9 (124)	3 lbs.
FSJS090603	9.87 x 6.63 x 3.19 (251 x 168 x 81)	9.15 x 5.90 x 2.88 (232 x 150 x 73)	7.62 x 5.63 (194 x 143)	2.48 (63)	7.62 (194)	4.25 (108)	6.77 (172)	4.9 (124)	3 lbs.



FSJBS Configuration Dimensions In Inches (mm)

Catalog Number	Overall H x W x D	Inside A x B x C	I	J	K	L	M	N	Weight
FSJBS030302	3.72 x 3.63 x 2.95 (95 x 92 x 75)	3.13 x 3.03 x 2.70 (79 x 77 x 69)	0 (0)	0 (0)	2.31 (59)	2.75 (70)	1.59 (40)	2.03 (52)	1 lb.
FSJBS050302	5.97 x 3.63 x 3.14 (152 x 92 x 80)	5.38 x 3.03 x 2.87 (137 x 77 x 73)	4.72 (120)	2.38 (61)	4.56 (116)	2.75 (70)	3.84 (98)	2.03 (52)	1 lb.
FSJBS060404	6.63 x 3.81 x 3.89 (168 x 97 x 99)	6.00 x 3.19 x 3.63 (153 x 81 x 92)	5.31 (135)	2.50 (64)	4.88 (124)	2.94 (75)	4.13 (105)	2.19 (56)	2 lbs.
FSJBS080302	8.41 x 3.63 x 3.14 (214 x 92 x 80)	7.82 x 3.03 x 2.87 (199 x 77 x 73)	7.16 (182)	2.38 (60)	7.00 (178)	2.75 (70)	6.28 (160)	2.03 (52)	2 lbs.
FSJBS080404	8.88 x 3.81 x 3.89 (225 x 97 x 99)	8.26 x 3.19 x 3.63 (210 x 81 x 92)	7.56 (192)	2.50 (64)	7.13 (181)	2.94 (75)	6.38 (162)	2.19 (56)	2 lbs.
FSJBS090302	9.35 x 3.63 x 3.14 (237 x 92 x 80)	8.75 x 3.03 x 2.87 (222 x 77 x 73)	8.10 (206)	2.38 (60)	7.94 (202)	2.75 (70)	7.22 (183)	2.03 (52)	2 lbs.
FSJBS110404	11.13 x 3.81 x 3.89 (283 x 97 x 99)	10.51 x 3.19 x 3.63 (267 x 81 x 92)	9.81 (249)	2.50 (64)	9.37 (238)	2.94 (75)	8.63 (219)	2.19 (56)	2 lbs.
FSJBS140302	13.78 x 3.63 x 3.14 (350 x 92 x 80)	13.19 x 3.03 x 2.87 (335 x 77 x 73)	12.53 (318)	2.38 (60)	12.37 (314)	2.75 (70)	11.66 (296)	2.03 (52)	2 lbs.
FSJBS170302	17.35 x 3.63 x 3.14 (441 x 92 x 80)	16.75 x 3.03 x 2.87 (426 x 77 x 73)	16.10 (409)	2.38 (60)	15.94 (405)	2.75 (70)	15.22 (387)	2.03 (52)	3 lbs.

Fiberglass Enclosures Pushbutton Series

The Cooper Crouse-Hinds Pushbutton Series offer a solution for applications requiring an enclosure with multiple pre-drilled openings for pushbuttons available in 30mm and 22mm configurations. The notched keyhole design and the ability to order up to 25 holes, makes this versatile series a perfect match for your general purpose electrical and control station applications. Available in a choice of two body designs, these enclosures are made of fiberglass reinforced polyester and have a memory retaining polyurethane gasket and stainless steel screws for exceptional corrosion and chemical resistance. The Pushbutton Series will hold up under the most extreme conditions and provide protection in adverse conditions such as water, steam, vapor or chemicals.

Features & Benefits:

- Lift-off cover design with 4 cover screws
- Memory retaining continuous polyurethane gasket
- Captive stainless steel cover screws
- Full metal grounding strap
- Notched key hole design
- Chemical resistant fiberglass reinforced polyester
- Submersible, non-corrosive design
- Water-tight, dust-tight
- Non-conductive, impact resistant, UV resistant
- Material cuts, drills, punches, and saws with ease and accuracy
- Rounded edges, minimal protrusions or exposed pocket areas for assembly of dust and debris
- Smooth surface, no color variations, swirls or color pockets, no voids

Certification & Compliances:

- UL/cUL 50, Types 1, 3, 4X, 6P, 12
- UL File Number E57656
- CSA Std C22.2 - File 244248 Types 1, 3, 4X, 6P, 12
- NEMA Standard 250 - Types 1, 3, 4X, 6P, 12
- Temperature Range - (-76°F to +250°F) (-60°C to +120°C)
- Flammability Rating - UL94-5V
- Non-flame propagating



Materials and Finishes:

- Hot compression molded fiberglass reinforced thermoset polyester
- Poured polyurethane seamless gasket provides water-tight dust-tight environmental seal
- Captive stainless steel screws
- 304 stainless steel used on all external hardware
- Stainless steel beaded cover retention chain on the FPBM series

Options:

- Mounting feet kit available for field installation. Order part number FJSJMTGFTKIT

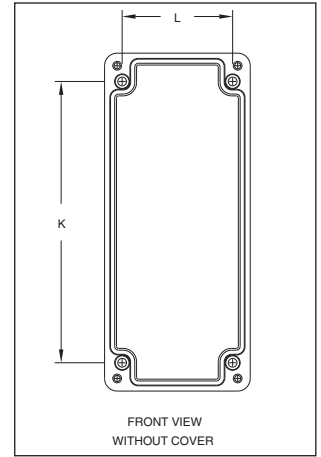
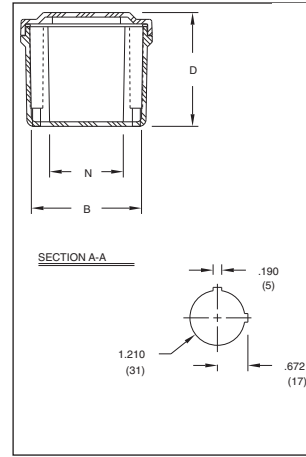
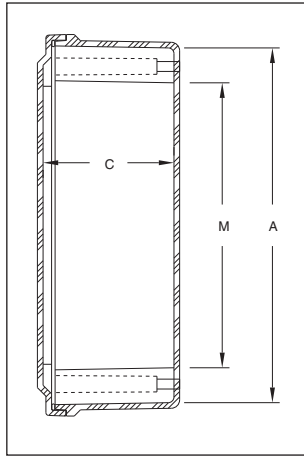
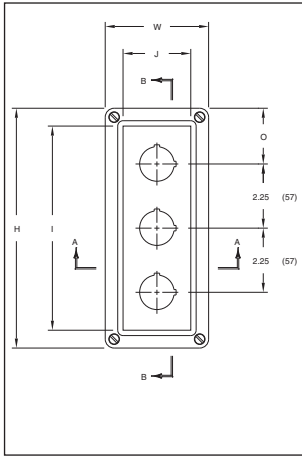
Ordering Information:

Inside H x W x D	Holes	30mm Pushbutton	Inside H x W x D	22mm Pushbutton	Inside H x W x D	Holes	30mm Multi-Hole Pushbutton	Mounting Plate*
6.00 x 3.19 x 3.63	1	FPB31	6.00 x 3.19 x 3.63	FPB21	5.72 x 5.72 x 4.45	4	FPBM34	FMP0606
6.00 x 3.19 x 3.63	2	FPB32	6.00 x 3.19 x 3.63	FPB22	7.73 x 5.74 x 4.45	6	FPBM36	FMP0806
8.26 x 3.19 x 3.63	3	FPB33	6.00 x 3.19 x 3.63	FPB23	9.73 x 7.73 x 3.98	9	FPBM39	FMP1008
10.51 x 3.19 x 3.63	4	FPB34	8.26 x 3.19 x 3.63	FPB24	9.73 x 7.73 x 3.98	12	FPBM312	FMP1008
13.19 x 3.03 x 2.87	5	FPB35	10.51 x 3.19 x 3.63	FPB25	11.79 x 9.80 x 4.94	16	FPBM316	FMP1210
16.75 x 3.03 x 2.87	6	FPB36	10.51 x 3.19 x 3.63	FPB26	11.79 x 9.80 x 4.94	20	FPBM320	FMP1210
16.75 x 3.03 x 2.87	7	FPB37	13.19 x 3.03 x 2.87	FPB27	13.53 x 11.55 x 5.94	25	FPBM325	FMP1412

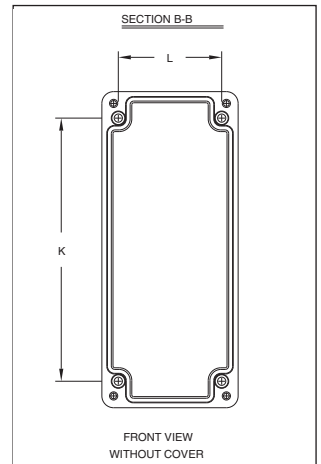
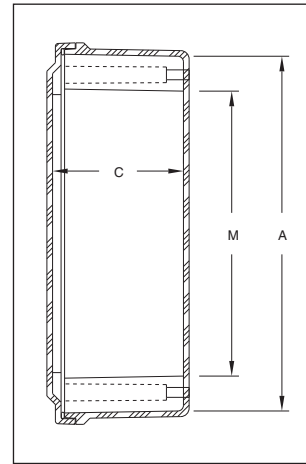
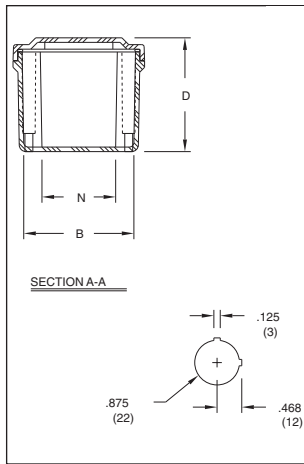
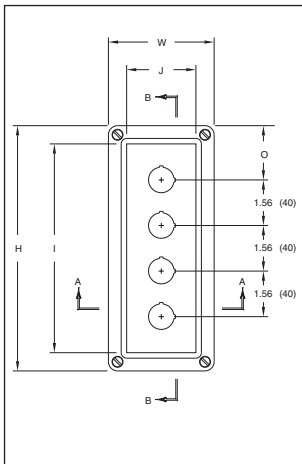
* Available in: Aluminum (SA), Fiberglass (FG), Carbon Steel (C), and Stainless Steel (SS)
To order, add the suffix to the end of the part number

Dimensional Drawings

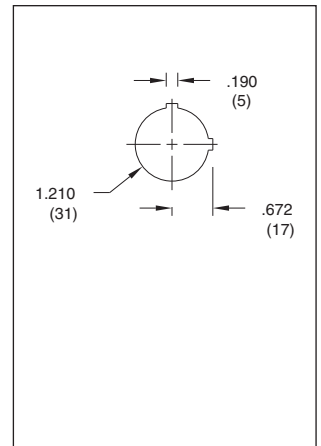
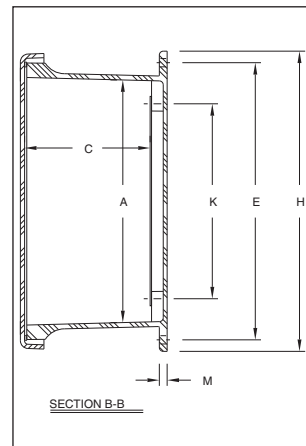
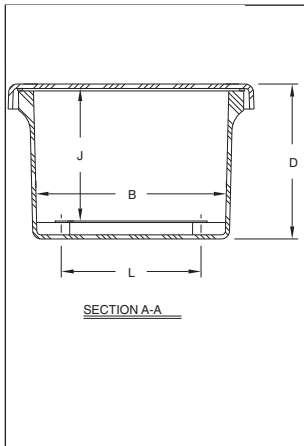
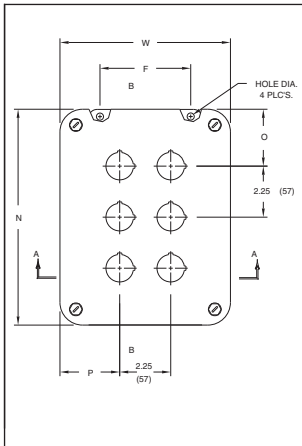
30mm



22mm



Multi-Hole



5E

Fiberglass Enclosures Pushbutton Series

30mm Pushbutton Series - Configuration Dimensions In Inches (mm)

Catalog Number	Overall H x W x D	Inside A x B x C	I	J	K	L	M	N	O	Weight
FPB31	6.63 x 3.81 x 3.89 (168 x 97 x 99)	6.00 x 3.19 x 3.63 (153 x 81 x 92)	5.31 (135)	2.5 (64)	4.88 (124)	2.94 (75)	4.13 (105)	2.19 (56)	3.31 (84)	2 lbs.
FPB32	6.63 x 3.81 x 3.89 (168 x 97 x 99)	6.00 x 3.19 x 3.63 (153 x 81 x 92)	5.31 (135)	2.5 (64)	4.88 (124)	2.94 (75)	4.13 (105)	2.19 (56)	2.19 (56)	2 lbs.
FPB33	8.88 x 3.81 x 3.89 (225 x 97 x 99)	8.26 x 3.19 x 3.63 (210 x 81 x 92)	7.56 (192)	2.5 (64)	7.13 (181)	2.94 (75)	6.38 (162)	2.19 (56)	2.19 (56)	2 lbs.
FPB34	11.13 x 3.81 x 3.89 (283 x 97 x 99)	10.51 x 3.19 x 3.63 (267 x 81 x 92)	9.81 (249)	2.5 (64)	9.37 (238)	2.94 (75)	8.63 (219)	2.19 (56)	2.19 (56)	2 lbs.
FPB35	13.78 x 3.63 x 3.14 (350 x 92 x 80)	13.19 x 3.03 x 2.87 (335 x 77 x 73)	12.53 (318)	2.38 (60)	12.37 (314)	2.75 (70)	11.66 (296)	2.03 (52)	2.39 (61)	2 lbs.
FPB36	17.35 x 3.63 x 3.14 (441 x 92 x 80)	16.75 x 3.03 x 2.87 (426 x 77 x 73)	16.1 (409)	2.38 (60)	15.94 (405)	2.75 (70)	15.22 (387)	2.03 (52)	3.05 (77)	3 lbs.
FPB37	17.35 x 3.63 x 3.14 (441 x 92 x 80)	16.75 x 3.03 x 2.87 (426 x 77 x 73)	16.1 (409)	2.38 (60)	15.94 (405)	2.75 (70)	15.22 (387)	2.03 (52)	1.92 (49)	3 lbs.

22mm Pushbutton Series - Configuration Dimensions In Inches (mm)

Catalog Number	Overall H x W x D	Inside A x B x C	I	J	K	L	M	N	O	Weight
FPB21	6.63 x 3.81 x 3.89 (168 x 97 x 99)	6.00 x 3.19 x 3.63 (153 x 81 x 92)	5.31 (135)	2.5 (64)	4.88 (124)	2.94 (75)	4.13 (105)	2.19 (56)	3.31 (84)	2 lbs.
FPB22	6.63 x 3.81 x 3.89 (168 x 97 x 99)	6.00 x 3.19 x 3.63 (153 x 81 x 92)	5.31 (135)	2.5 (64)	4.88 (124)	2.94 (75)	4.13 (105)	2.19 (56)	2.53 (64)	2 lbs.
FPB23	6.63 x 3.81 x 3.89 (168 x 97 x 99)	6.00 x 3.19 x 3.63 (153 x 81 x 92)	5.31 (135)	2.5 (64)	4.88 (124)	2.94 (75)	4.13 (105)	2.19 (56)	1.75 (44)	2 lbs.
FPB24	8.88 x 3.81 x 3.89 (225 x 97 x 99)	8.26 x 3.19 x 3.63 (210 x 81 x 92)	7.56 (192)	2.5 (64)	7.13 (181)	2.94 (75)	6.38 (162)	2.19 (56)	2.09 (53)	2 lbs.
FPB25	11.13 x 3.81 x 3.89 (283 x 97 x 99)	10.51 x 3.19 x 3.63 (267 x 81 x 92)	9.81 (249)	2.5 (64)	9.37 (238)	2.94 (75)	8.63 (219)	2.19 (56)	2.44 (62)	2 lbs.
FPB26	11.13 x 3.81 x 3.89 (283 x 97 x 99)	10.51 x 3.19 x 3.63 (267 x 81 x 92)	9.81 (249)	2.5 (64)	9.37 (238)	2.94 (75)	8.63 (219)	2.19 (56)	1.66 (42)	3 lbs.
FPB27	13.78 x 3.63 x 3.14 (350 x 92 x 80)	13.19 x 3.03 x 2.87 (335 x 77 x 73)	12.53 (318)	2.38 (60)	12.37 (314)	2.75 (70)	11.66 (296)	2.03 (52)	2.20 (56)	3 lbs.

Multi-Hole Pushbutton Series - Configuration Dimensions In Inches (mm)

Catalog Number	Overall H x W x D	Inside A x B x C	Mounting E x F	J	K	L	M	N	O	P	Hole Dia.	Weight
FPBM34	7.50 x 7.50 x 4.75 (191 x 191 x 121)	5.72 x 5.72 x 4.45 (145 x 145 x 113)	6.75 x 4 (171 x 101)	4 (101)	4.25 (108)	4.25 (108)	0.25 (6)	7.52 (191)	2.64 (67)	2.64 (67)	0.31 (8)	2.75 lbs.
FPBM36	9.62 x 7.50 x 4.74 (244 x 191 x 121)	7.73 x 5.74 x 4.45 (196 x 146 x 113)	8.88 x 4 (225 x 101)	4 (101)	6.25 (159)	4.25 (108)	0.25 (6)	9.5 (242)	2.64 (67)	2.51 (64)	0.31 (8)	3.5 lbs.
FPBM39	11.62 x 9.41 x 4.25 (295 x 239 x 108)	9.73 x 7.73 x 3.98 (247 x 196 x 101)	10.75 x 6 (273 x 152)	3.5 (89)	8.25 (209)	6.25 (159)	0.25 (6)	11.35 (288)	3.43 (87)	2.45 (62)	0.31 (8)	5 lbs.
FPBM312	11.62 x 9.41 x 4.25 (295 x 239 x 108)	9.73 x 7.73 x 3.98 (247 x 196 x 101)	10.75 x 6 (273 x 152)	3.5 (89)	8.25 (209)	6.25 (159)	0.25 (6)	11.35 (288)	2.3 (58)	2.45 (62)	0.31 (8)	5 lbs.
FPBM316	13.56 x 11.43 x 5.21 (344 x 291 x 132)	11.79 x 9.80 x 4.94 (299 x 249 x 125)	12.75 x 8 (324 x 203)	4.5 (114)	10.25 (260)	8.25 (209)	0.25 (6)	13.41 (341)	3.33 (85)	2.3 (58)	0.31 (8)	6.5 lbs.
FPBM320	13.56 x 11.43 x 5.21 (344 x 291 x 132)	11.79 x 9.80 x 4.94 (299 x 249 x 125)	12.75 x 8 (324 x 203)	4.5 (114)	10.25 (260)	8.25 (209)	0.25 (6)	13.41 (341)	2.2 (56)	2.1 (53)	0.31 (8)	6.5 lbs.
FPBM325	15.50 x 13.50 x 6.25 (394 x 343 x 159)	13.53 x 11.55 x 5.94 (344 x 293 x 151)	14.62 x 10 (371 x 254)	5.37 (137)	12.25 (311)	10.25 (260)	0.25 (6)	15.47 (393)	3.24 (82)	2.25 (57)	0.31 (8)	8.5 lbs.

The Cooper Crouse-Hinds Junction Box Series offer an extensive selection to the industrial application requiring a vast number of configurations and sizes. The Junction Box Series is available in 12 different sizes, each offering a multitude of durable cover options with features such as stainless steel hinges, padlock covers and windows. These enclosures are made of fiberglass reinforced polyester and have a poured polyurethane seamless gasket that provides a watertight and dust-tight environmental seal for exceptional corrosion and chemical resistance. The durable Junction Box Series will hold up under the most extreme applications and provide protection and reliability in the most adverse conditions.

Features & Benefits:

- Memory retaining continuous polyurethane gasket
- Captive stainless steel cover screws
- Chemical resistant fiberglass reinforced polyester
- Submersible, non-corrosive design
- Water-tight, dust-tight
- Non-conductive, impact resistant, UV resistant
- Material cuts, drills, punches, and saws with ease and accuracy
- Rounded edges, minimal protrusions or exposed pocket areas for assembly of dust and debris
- Smooth surface, no color variations, swirls or color pockets, no voids
- Stainless steel retention chain on screw cover series
- Full-length stainless steel hinges on the hinge cover series

Certification & Compliances:









- UL/cUL 50, Types 1, 3, 4X, 6P, 12
- UL File Number E57656
- CSA Std C22.2 - File 244248 Types 1, 3, 4X, 6P, 12
- NEMA Standard 250 - Types 1, 3, 4X, 6P, 12
- Temperature Range - (-76°F to +250°F) (-60°C to +120°C)
- Flammability Rating - UL94-5V
- Window flammability - UL94V-0
- Non-flame propagating



Materials and Finishes:

- Hot compression molded fiberglass reinforced thermoset polyester
- Poured polyurethane seamless gasket provides water-tight dust-tight environmental seal
- Captive stainless steel screws
- 304 stainless steel used on all external hardware
- Molded in mounting flange
- Panel mounting capability for fixed rear panel
- Bosses utilize threaded brass inserts accepting 10-32 screws

Ordering Information

							
Inside H x W x D	4 Cover Screws With Lift Off Cover	2 Cover Screws With a Hinged Cover	Hinged Cover With a Padlock Latch	2 Cover Screws With a Hinged Cover With Window	Hinged Cover With a Window & Padlock Latch	Fiberglass Hinged Cover With a Window & Padlock Latch	Mounting Plate*
5.84 x 3.85 x 4.45	FJS060404	FJHS060404	FJHP060404	FJHSW060404	FJHPW060404		FMP0604
5.72 x 5.72 x 4.45	FJS060604	FJHS060604	FJHP060604	FJHSW060604	FJHPW060604		FMP0606
7.73 x 5.74 x 4.45	FJS080604	FJHS080604	FJHP080604	FJHSW080604	FJHPW080604	FJFHPW080604	FMP0806
7.73 x 7.73 x 4.82	FJS080804	FJHS080804	FJHP080804	FJHSW080804	FJHPW080804	FJFHPW080804	FMP0808
9.73 x 7.73 x 3.98	FJS100804	FJHS100804†	FJHP100804	FJHSW100804	FJHPW100804	FJFHPW100804	FMP1008
11.79 x 9.80 x 4.94	FJS121005	FJHS121005	FJHP121005	FJHSW121005	FJHPW121005	FJFHPW121005	FMP1210
11.70 x 11.70 x 6.29	FJS121206	FJHS121206	FJHP121206	FJHSW121206	FJHPW121206	FJFHPW121206	FMP1212
14.00 x 7.00 x 6.56	FJS140707	FJHS140707	FJHP140707	FJHSW140707	FJHPW140707	FJFHPW140707	FMP1407
13.53 x 11.55 x 5.94	FJS141206	FJHS141206	FJHP141206	FJHSW141206	FJHPW141206	FJFHPW141206	FMP1412
15.63 x 13.60 x 5.94	FJS161406	FJHS161406	FJHP161406	FJHSW161406	FJHPW161406	FJFHPW161406	FMP1614
17.69 x 15.69 x 8.45	FJS181608‡	FJHS181608‡	FJHP181608‡	FJHSW181608‡	FJHPW181608‡	FJFHPW181608‡	FMP1816
19.72 x 15.72 x 8.45	FJS201608‡	FJHS201608‡	FJHP201608‡	FJFHPW201608‡	FJHPW201608‡	FJFHPW201608‡	FMP2016

* Available in: Aluminum (SA), Fiberglass (FG), Carbon Steel (C), and Stainless Steel (SS)

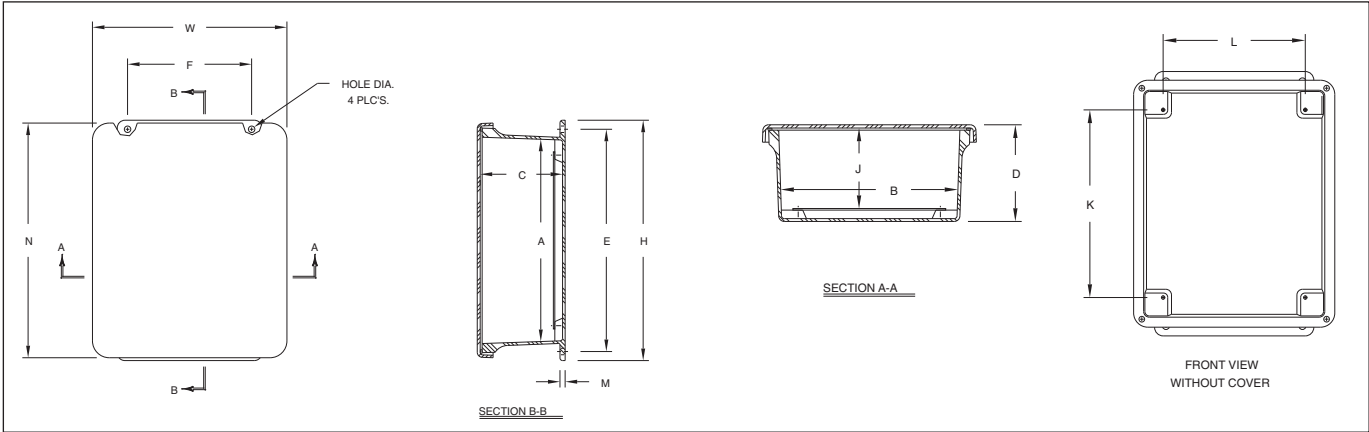
To order, add the suffix to the end of the part number

† Available with the deep cover option, please add a "D" to the part number. For example, FJDHS100804

‡ Not available with a 6P rating



Dimensional Drawings



Configuration Dimensions In Inches (mm)

Catalog Number	Overall H x W x D	Inside A x B x C	Window Area	Mounting E x F	J	K	L	M	N	Hole Dia.	Weight
FJS060404 FJHS060404 FJHP060404 FJHPW060404 FJHSW060404	7.50 x 5.43 x 4.75 (191 x 138 x 121)	5.84 x 3.85 x 4.45 (148 x 98 x 113)	4.25 x 2.25 (108 x 57)	6.75 x 2 (171 x 51)	4 (101)	4.25 (108)	2.25 (57)	0.25 (6)	7.39 (188)	0.31 (8)	2.5 lbs.
FJS060604 FJHS060604 FJHP060604 FJHPW060604 FJHSW060604	7.50 x 7.50 x 4.75 (191 x 191 x 121)	5.72 x 5.72 x 4.45 (145 x 145 x 113)	4.25 x 4.25 (108 x 108)	6.75 x 4 (171 x 101)	4 (101)	4.25 (108)	4.25 (108)	0.25 (6)	7.52 (191)	0.31 (8)	2.75 lbs.
FJS080604 FJHS080604 FJHP080604 FJHPW080604 FJHSW080604 FJFHPW080604	9.62 x 7.50 x 4.74 (244 x 191 x 121)	7.73 x 5.74 x 4.45 (196 x 146 x 113)	6.25 x 4.25 (159 x 108)	8.88 x 4 (225 x 101)	4 (101)	6.25 (159)	4.25 (108)	0.25 (6)	9.5 (242)	0.31 (8)	3.5 lbs.
FJS080804 FJHS080804 FJHP080804 FJHPW080804 FJHSW080804 FJFHPW080804	9.56 x 9.38 x 4.89 (243 x 238 x 124)	7.73 x 7.73 x 4.64 (196 x 196 x 118)	8.75 x 6.00 (222 x 152)	8.75 x 6.00 (222 x 152)	4.06 (103)	6.25 (159)	6.25 (159)	0.25 (6)	9.37 (238)	0.31 (8)	1.71 lbs.
FJS100804 FJHS100804 FJHP100804 FJHPW100804 FJHSW100804 FJFHPW100804	11.62 x 9.41 x 4.25 (295 x 239 x 108)	9.73 x 7.73 x 3.98 (247 x 196 x 101)	8.25 x 6.25 (210 x 159)	10.75 x 6 (273 x 152)	3.5 (89)	8.25 (209)	6.25 (159)	0.25 (6)	11.35 (288)	0.31 (8)	5 lbs.
FJDS100804* FJDHS100804* FJDHP100804* FJDHPW100804* FJDHSW100804* FJDFHPW100804*	11.62 x 9.37 x 5.06 (295 x 238 x 129)	9.73 x 7.73 x 4.83 (247 x 196 x 123)	8.25 x 6.25 (210 x 159)	10.75 x 6 (273 x 152)	4.37 (111)	8.25 (209)	6.25 (159)	0.25 (6)	11.37 (289)	0.31 (8)	5 lbs.
FJS121005 FJHS121005 FJHP121005 FJHPW121005 FJHSW121005 FJFHPW121005	13.56 x 11.43 x 5.21 (344 x 291 x 132)	11.79 x 9.80 x 4.94 (299 x 249 x 125)	10.25 x 8.25 (260 x 210)	12.75 x 8 (324 x 203)	4.5 (114)	10.25 (260)	8.25 (209)	0.25 (6)	13.41 (341)	0.31 (8)	6.5 lbs.

*Deep cover - center of cover raised 3/4".

Configuration Dimensions In Inches (mm)

Catalog Number	Overall H x W x D	Inside A x B x C	Window Area	Mounting E x F	J	K	L	M	N	Hole Dia.	Weight
FJS121206 FJHS121206 FJHP121206 FJHPW121206 FJHSW121206 FJFHPW121206	13.56 x 13.38 x 6.36 (344 x 340 x 161)	11.70 x 11.70 x 6.11 (297 x 297 x 155)	12.75 x 10.00 (324 x 254)	12.75 x 10.00 (324 x 254)	5.53 (140)	10.25 (260)	10.25 (260)	0.25 (6)	13.38 (340)	0.31 (8)	3.2 lbs.
FJS140707 FJHS140707 FJHP140707 FJHPW140707 FJHSW140707 FJFHPW140707	15.87 x 8.75 x 6.81 (403 x 222 x 173)	14.00 x 7.00 x 6.56 (356 x 178 x 167)	12.75 x 5.75 (324 x 146)	15 x 5 (381 x 127)	6.12 (156)	12.25 (311)	5.25 (133)	0.25 (6)	15.75 (400)	0.31 (8)	6.25 lbs.
FJS141206 FJHS141206 FJHP141206 FJHPW141206 FJHSW141206 FJFHPW141206	15.50 x 13.50 x 6.25 (394 x 343 x 159)	13.53 x 11.55 x 5.94 (344 x 293 x 151)	12.25 x 10.25 (311 x 260)	14.62 x 10 (371 x 254)	5.37 (137)	12.25 (311)	10.25 (260)	0.25 (6)	15.47 (393)	0.31 (8)	8.5 lbs.
FJS161406 FJHS161406 FJHP161406 FJHPW161406 FJHSW161406 FJFHPW161406	17.53 x 15.46 x 6.23 (445 x 393 x 158)	15.63 x 13.60 x 5.94 (397 x 345 x 151)	14.25 x 12.25 (362 x 311)	16.75 x 12 (425 x 305)	5.36 (136)	14.25 (362)	12.25 (311)	0.25 (6)	17.45 (443)	0.31 (8)	11.5 lbs.
FJS181608 FJHS181608 FJHP181608 FJHPW181608 FJHSW181608 FJFHPW181608	19.62 x 17.61 x 8.82 (498 x 447 x 224)	17.69 x 15.69 x 8.45 (449 x 399 x 215)	16.25 x 14.25 (413 x 362)	18.88 x 12 (479 x 305)	7.99 (203)	16.25 (413)	14.25 (362)	0.25 (6)	19.61 (498)	0.31 (8)	19.25 lbs.
FJS201608 FJHS201608 FJHP201608 FJHPW201608 FJHSW201608 FJFHPW201608	22.00 x 17.68 x 8.83 (559 x 449 x 224)	19.72 x 15.72 x 8.45 (501 x 399 x 215)	18.25 x 14.25 (464 x 362)	21.25 x 10.00 (540 x 254)	8 (203)	18.25 (464)	14.25 (362)	0.25 (6)	21.68 (551)	0.31 (8)	20.25 lbs.

The Cooper Crouse-Hinds Raised Cover Series offer a solution for applications requiring an enclosure with a “raised” or “deeper” cover. The deeper cover is suitable for panel mounting and for use as an operator interface in industrial equipment control stations when required. The deeper cover allows every cubic inch of valuable internal enclosure space to be used. These enclosures are made of fiberglass reinforced polyester and have a poured polyurethane seamless gasket that provides a water-tight and dust-tight environmental seal for exceptional corrosion and chemical resistance. The Raised Cover Series will hold up under the most extreme applications and provide protection and reliability in high-end electronics applications, harsh corrosive environments, and industrial applications both indoors and out.

Features & Benefits:

- Memory retaining continuous polyurethane gasket
- Molded in mounting flange
- Captive stainless steel cover screws
- Chemical resistant fiberglass reinforced polyester
- Submersible, non-corrosive design
- Water-tight, dust-tight
- Non-conductive, impact resistant, UV resistant
- Material cuts, drills, punches, and saws with ease and accuracy
- Rounded edges, minimal protrusions or exposed pocket areas for assembly of dust and debris
- Smooth surface, no color variations, swirls or color pockets, no voids



Certification & Compliances:

- UL/cUL 50, Types 1, 3, 4X, 6P, 12
- UL File Number E57656
- CSA Std C22.2 - File 244248 Types 1, 3, 4X, 6P, 12
- NEMA Standard 250 - Types 1, 3, 4X, 6P, 12
- Temperature Range - (-76°F to +250°F) (-60°C to +120°C)
- Flammability Rating - UL94-5V
- Non-flame propagating

Materials and Finishes:

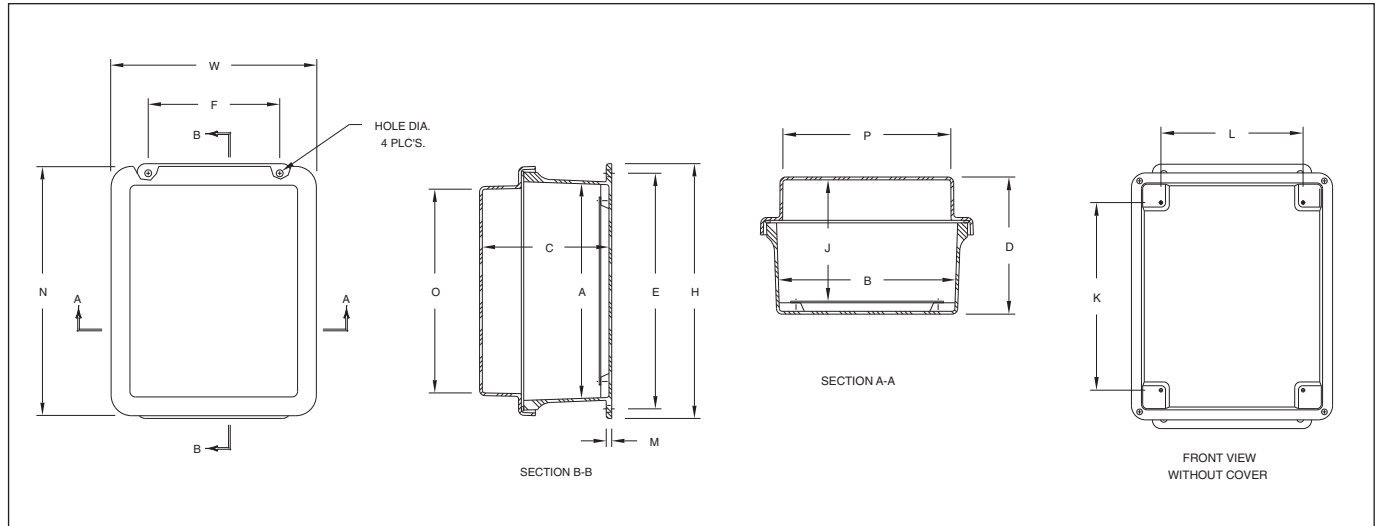
- Hot compression molded fiberglass reinforced thermoset polyester
- Poured polyurethane seamless gasket provides water-tight dust-tight environmental seal
- Captive stainless steel screws
- 304 stainless steel used on all external hardware
- Molded in mounting flange
- Panel mounting capability for fixed rear panel
- Bosses utilize threaded brass inserts accepting 10-32 screws

Ordering Information

Inside H x W x D	4 Cover Screws With Lift Off Cover	2 Cover Screws With a Hinged Cover	Hinged Cover With a Padlock Latch	Mounting Plate*
5.84 x 3.85 x 5.95	FRCJS060406	FRCJHS060406	FRCJHP060406	FMP0604
5.72 x 5.72 x 5.95	FRCJS060606	FRCJHS060606	FRCJHP060606	FMP0606
7.73 x 5.74 x 5.95	FRCJS080606	FRCJHS080606	FRCJHP080606	FMP0806
7.73 x 7.73 x 4.82	FRCJS080805	FRCJHS080805	FRCJHP080805	FMP0808
9.73 x 7.73 x 6.36	FRCJS100806	FRCJHS100806	FRCJHP100806	FMP1008
11.79 x 9.80 x 6.32	FRCJS121006	FRCJHS121006	FRCJHP121006	FMP1210
11.70 x 11.70 x 6.29	FRCJS121208	FRCJHS121208	FRCJHP121208	FMP1212
13.53 x 11.55 x 7.45	FRCJS141208	FRCJHS141208	FRCJHP141208	FMP1412
15.63 x 13.60 x 7.45	FRCJS161408	FRCJHS161408	FRCJHP161408	FMP1614
17.69 x 15.69 x 10.31	FRCJS181610	FRCJHS181610	FRCJHP181610	FMP1816
19.72 x 15.72 x 10.33	FRCJS201610	FRCJHS201610	FRCJHP201610	FMP2016

* Available in: Aluminum (SA), Fiberglass (FG), Carbon Steel (C), and Stainless Steel (SS)
To order, add the suffix to the end of the part number

Dimensional Drawings



Configuration Dimensions In Inches (mm)

Catalog Number	Overall H x W x D	Inside A x B x C	Mounting E x F	J	K	L	M	N	O	P	Hole Dia.	Weight
FRCJS060406 FRCJHS060406 FRCJHP060406	7.50 x 5.47 x 6.22 (191 x 139 x 158)	5.84 x 3.85 x 5.95 (148 x 98 x 151)	5.84 x 3.85 x 5.95 (148 x 98 x 151)	5.49 (140)	4.25 (108)	2.25 (57)	0.25 (6)	7.45 (189)	5.31 (135)	3.34 (85)	0.31 (8)	2.5 lbs.
FRCJS060606 FRCJHS060606 FRCJHP060606	7.50 x 7.52 x 6.22 (191 x 191 x 158)	5.72 x 5.72 x 5.95 (145 x 145 x 151)	6.75 x 4 (171 x 101)	5.49 (140)	4.25 (108)	4.25 (108)	0.25 (6)	7.52 (191)	5.34 (136)	5.31 (135)	0.31 (8)	2.75 lbs.
FRCJS080606 FRCJHS080606 FRCJHP080606	9.62 x 7.46 x 6.22 (244 x 190 x 158)	7.73 x 5.74 x 5.95 (196 x 146 x 151)	8.88 x 4 (225 x 101)	5.49 (140)	6.25 (159)	4.25 (108)	0.25 (6)	9.36 (238)	7.25 (185)	5.28 (134)	0.31 (8)	3.5 lbs.
FRCJS080805 FRCJHS080805 FRCJHP080805	9.56 x 9.38 x 6.26 (243 x 238 x 159)	7.73 x 7.73 x 6.01 (196 x 196 x 153)	8.75 x 6.00 (222 x 152)	5.43 (138)	6.25 (159)	6.25 (159)	0.25 (6)	9.37 (238)	7.17 (182)	7.17 (182)	0.31 (8)	4 lbs.
FRCJS100806 FRCJHS100806 FRCJHP100806	11.62 x 9.37 x 6.61 (295 x 238 x 168)	9.73 x 7.73 x 6.36 (247 x 196 x 162)	10.75 x 6 (273 x 152)	5.91 (150)	8.25 (209)	6.25 (159)	0.25 (6)	11.38 (289)	9.3 (236)	7.38 (188)	0.31 (8)	5 lbs.
FRCJS121006 FRCJHS121006 FRCJHP121006	13.56 x 11.43 x 6.61 (344 x 291 x 168)	11.79 x 9.80 x 6.32 (299 x 249 x 161)	12.75 x 8 (324 x 203)	5.87 (149)	10.25 (260)	8.25 (209)	0.25 (6)	13.41 (341)	11.2 (284)	9.23 (234)	0.31 (8)	6.5 lbs.
FRCJS121208 FRCJHS121208 FRCJHP121208	13.56 x 13.38 x 7.73 (344 x 340 x 196)	11.70 x 11.70 x 7.48 (297 x 297 x 190)	12.75 x 10.00 (324 x 254)	6.90 (175)	10.25 (260)	10.25 (260)	0.25 (6)	13.38 (340)	11.17 (284)	11.17 (284)	0.31 (8)	7.4 lbs.
FRCJS141208 FRCJHS141208 FRCJHP141208	15.50 x 13.38 x 7.69 (394 x 340 x 195)	13.53 x 11.55 x 7.45 (344 x 293 x 189)	14.62 x 10 (371 x 254)	6.87 (174)	12.25 (311)	10.25 (260)	0.25 (6)	15.42 (392)	13.2 (335)	11.16 (284)	0.31 (8)	8.5 lbs.
FRCJS161408 FRCJHS161408 FRCJHP161408	17.53 x 15.43 x 7.71 (445 x 392 x 196)	15.63 x 13.60 x 7.45 (397 x 345 x 189)	16.75 x 12 (425 x 305)	6.87 (174)	14.25 (362)	12.25 (311)	0.25 (6)	17.43 (443)	15.2 (386)	13.24 (336)	0.31 (8)	11.5 lbs.
FRCJS181610 FRCJHS181610 FRCJHP181610	19.62 x 17.48 x 10.62 (498 x 444 x 270)	17.69 x 15.69 x 10.31 (449 x 399 x 262)	18.88 x 12 (479 x 305)	9.86 (250)	16.25 (413)	14.25 (362)	0.25 (6)	19.49 (495)	17.25 (438)	15.25 (387)	0.31 (8)	19.25 lbs.
FRCJS201610 FRCJHS201610 FRCJHP201610	22.00 x 17.56 x 10.64 (559 x 446 x 270)	19.72 x 15.72 x 10.33 (501 x 399 x 262)	21.25 x 10.00 (540 x 254)	9.87 (251)	18.25 (464)	14.25 (362)	0.25 (6)	21.56 (548)	19.31 (490)	15.39 (391)	0.31 (8)	20.25 lbs.

5E Fiberglass Enclosures Xtra Deep Series

The Cooper Crouse-Hinds Xtra Deep Series offer a solution for applications requiring an extra deep enclosure. The deep, durable enclosure has nearly equal capacity in both the cover and the base, giving you ample room for your cover or mounting plate components. The fiberglass reinforced polyester enclosure with flange mount base, stainless steel hardware and poured polyurethane seamless gasket provides exceptional corrosion and chemical resistance in a water-tight and dust-tight environmental seal. The Xtra Deep Series will hold up under the most extreme applications and provide protection and reliability in high-end electronics applications, harsh corrosive environments, and industrial applications both indoors and out.



Features & Benefits:

- Memory retaining continuous polyurethane gasket
- Integral mounting flange
- Molded in panel mounting inserts
- Chemical resistant fiberglass reinforced polyester
- Non-corrosive design
- Full length stainless steel hinge
- Water-tight, dust-tight
- Non-conductive, impact resistant, UV resistant
- Material cuts, drills, punches, and saws with ease and accuracy
- Rounded edges, minimal protrusions or exposed pocket areas for assembly of dust and debris
- Smooth surface, no color variations, swirls or color pockets, no voids

Materials and Finishes:

- Hot compression molded fiberglass reinforced thermoset polyester
- Poured polyurethane seamless gasket provides water-tight dust-tight environmental seal
- 304 stainless steel used on all external hardware
- Molded in mounting flange
- Panel mounting capability for fixed rear panel
- Bosses utilize threaded brass inserts accepting 10-32 screws

Certification & Compliances:

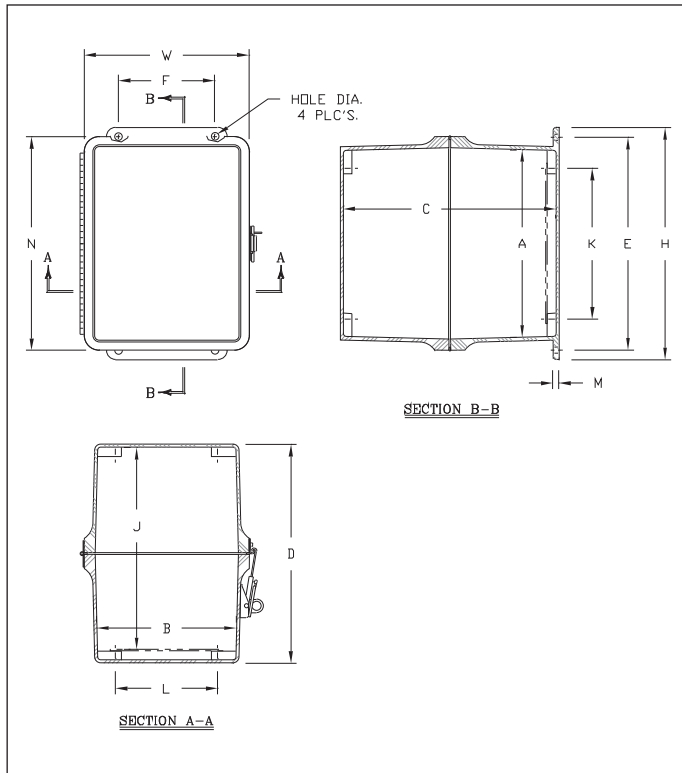
- UL/cUL 50, Types 1, 3, 4X, 12
- UL File Number E57656
- CSA Std C22.2 - File 244248 Types 1, 3, 4X, 12
- NEMA Standard 250 - Types 1, 3, 4X, 12
- Temperature Range - (-76°F to +250°F) (-60°C to +120°C)
- Flammability Rating - UL94-5V
- Non-flame propagating

Ordering Information

Inside H x W x D	Padlockable Twist Latch	Mounting Plate*
5.84 x 3.85 x 8.81	FXDJ060408	FMP0604
5.72 x 5.72 x 8.81	FXDJ060608	FMP0606
7.73 x 5.74 x 8.82	FXDJ080608	FMP0806
7.73 x 7.73 x 9.18	FXDJ080808	FMP0808
9.73 x 7.73 x 7.84	FXDJ100808	FMP1008
11.79 x 9.80 x 9.81	FXDJ121010	FMP1210
11.70 x 11.70 x 12.12	FXDJ121212	FMP1212
13.50 x 11.55 x 11.81	FXDJ141212	FMP1412
15.63 x 13.60 x 11.81	FXDJ161412	FMP1614
17.69 x 15.69 x 16.81	FXDJ181617	FMP1816
19.71 x 15.71 x 16.81	FXDJ201617	FMP2016

* Available in: Aluminum (SA), Fiberglass (FG), Carbon Steel (C), and Stainless Steel (SS)
To order, add the suffix to the end of the part number

Dimensional Drawings



Configuration Dimensions In Inches (mm)

Catalog Number	Overall H x W x D	Inside A x B x C	Mounting E x F	J	K	L	M	N	Hole Dia.	Weight
FXDJ060408	7.50 x 4.94 x 9.07 (190 x 125 x 230)	5.84 x 3.85 x 8.81 (148 x 98 x 224)	6.75 x 2.00 (171 x 51)	8.36 (212)	4.25 (108)	2.25 (57)	0.25 (6)	6.89 (175)	0.31 (8)	3 lbs.
FXDJ060608	7.50 x 6.88 x 9.07 (190 x 175 x 230)	5.72 x 5.72 x 8.81 (145 x 145 x 224)	6.75 x 4.00 (171 x 101)	8.36 (212)	4.25 (108)	4.25 (108)	0.25 (6)	6.89 (175)	0.31 (8)	3 lbs.
FXDJ08608	9.62 x 6.84 x 9.07 (244 x 174 x 230)	7.73 x 5.74 x 8.82 (196 x 146 x 224)	8.88 x 4.00 (225 x 101)	8.37 (213)	6.25 (159)	4.25 (108)	0.25 (6)	8.87 (225)	0.31 (8)	4 lbs.
FXDJ080808	9.56 x 8.84 x 9.43 (243 x 224 x 239)	7.73 x 7.73 x 9.18 (196 x 196 x 233)	8.75 x 6.00 (222 x 152)	8.60 (219)	6.25 (159)	6.25 (159)	0.25 (6)	8.84 (224)	0.31 (8)	5 lbs.
FXDJ100808	11.62 x 8.81 x 8.09 (295 x 224 x 206)	9.73 x 7.73 x 7.84 (247 x 196 x 199)	10.75 x 6.00 (273 x 152)	7.39 (188)	8.25 (209)	6.25 (159)	0.25 (6)	10.86 (276)	0.31 (8)	6 lbs.
FXDJ121010	13.56 x 10.83 x 10.06 (344 x 275 x 256)	11.79 x 9.80 x 9.81 (299 x 249 x 249)	12.75 x 8.00 (324 x 203)	9.36 (238)	10.25 (260)	8.25 (209)	0.25 (6)	12.95 (329)	12.95 (329)	8 lbs.
FXDJ121212	13.56 x 12.84 x 12.37 (344 x 326 x 314)	11.70 x 11.70 x 12.12 (297 x 297 x 308)	12.75 x 10.00 (324 x 254)	11.54 (293)	10.25 (260)	10.25 (260)	0.25 (6)	12.84 (326)	0.31 (8)	9 lbs.
FXDJ141212	15.50 x 12.83 x 12.06 (394 x 326 x 306)	13.50 x 11.55 x 11.81 (343 x 293 x 300)	14.62 x 10.00 (371 x 254)	11.23 (285)	12.25 (311)	10.25 (260)	0.25 (6)	14.88 (378)	0.31 (8)	12 lbs.
FXDJ161412	17.53 x 14.88 x 12.05 (445 x 378 x 306)	17.53 x 14.88 x 12.05 (445 x 378 x 306)	16.75 x 12.00 (425 x 305)	11.23 (285)	14.25 (362)	12.25 (311)	0.25 (6)	16.95 (431)	0.31 (8)	14 lbs.
FXDJ181617	19.62 x 16.91 x 17.19 (498 x 429 x 436)	17.69 x 15.69 x 16.81 (449 x 398 x 427)	18.88 x 12.00 (479 x 305)	16.36 (415)	16.25 (413)	14.25 (362)	0.25 (6)	18.91 (480)	0.31 (8)	22 lbs.
FXDJ201617	22.00 x 17.00 x 17.21 (558 x 431 x 437)	19.71 x 15.71 x 16.81 (501 x 399 x 427)	21.25 x 10.00 (540 x 254)	16.36 (415)	18.25 (464)	14.25 (362)	14.25 (362)	21.00 (533)	0.31 (8)	25 lbs.

The Cooper Crouse-Hinds Advantage Series offer is our most extensive selection of durable industrial non-metallic boxes. Available in a wide range of options, the Advantage Series is available in over 36 various configurations with options such as stainless steel hinges or stainless steel pull latches each with or without clear covers. These enclosures are made of fiberglass reinforced polyester and have a poured polyurethane seamless gasket that provides a water-tight and dust-tight environmental seal for exceptional corrosion and chemical resistance. The resilient Advantage Series will provide high impact resistance in the most extreme conditions and provide protection and reliability in the most adverse applications.

Features & Benefits:

- Memory retaining continuous polyurethane gasket
- No penetrating hardware
- Chemical resistant fiberglass reinforced polyester
- Non-corrosive design
- Water-tight, dust-tight
- Non-conductive, impact resistant, UV resistant
- Material cuts, drills, punches, and saws with ease and accuracy
- Rounded edges, minimal protrusions or exposed pocket areas for assembly of dust and debris
- Smooth surface, no color variations, swirls or color pockets, no voids

Certification & Compliances:

- UL/cUL 50, Types 1, 3, 3S, 4X, 12, 13
- UL File Number E57656
- CSA Std C22.2 - File 244248 Types 1, 3, 3S, 4X, 12, 13
- NEMA Standard 250 - Types 1, 3, 3S, 4X, 12, 13
- Temperature Range - (-76°F to +250°F) (-60°C to +120°C)
- Flammability Rating - UL94-5V
- Non-flame propagating
- IP66



Materials and Finishes:

- Hot compression molded fiberglass reinforced thermoset polyester
- Poured polyurethane seamless gasket provides water-tight dust-tight environmental seal
- 304 stainless steel used on all external hardware
- Panel mounting capability for fixed rear panel
- Bosses utilize threaded brass inserts accepting 10-32 screws

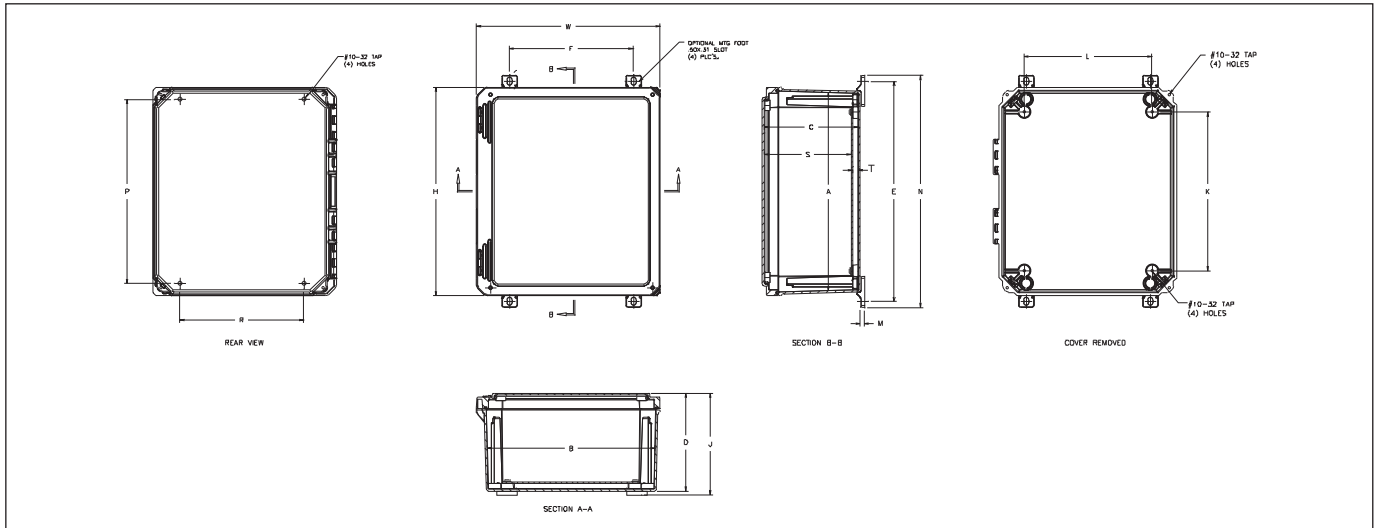
Options:

- Mounting feet kit available for field installation. Order part number FAMTGFTKIT

Ordering Information

Inside H x W x D	2 Cover Screws With a Hinged Cover	Hinged Cover With a Padlock Latch	2 Cover Screws With a Clear Hinged Cover	Hinged Clear Cover With a Padlock Latch	Cover Panel With Mounting Hardware	Mounting Plate
7.41 x 7.79 x 4.31	FAHS060604	FAHP060604	FAHSCC060604	FAHPCC060604	FACP0606SA	FMP0606
9.41 x 7.79 x 4.31	FAHS080604	FAHP080604	FAHSCC080604	FAHPCC080604	FACP0806SA	FMP0806
9.39 x 9.76 x 4.31	FAHS080804	FAHP080804	FAHSCC080804	FAHPCC080804	FACP0808SA	FMP0808
11.42 x 9.79 x 6.31	FAHS100806	FAHP100806	FAHSCC100806	FAHPCC100806	FACP1008SA	FMP1008
13.45 x 11.83 x 6.31	FAHS121006	FAHP121006	FAHSCC121006	FAHPCC121006	FACP1210SA	FMP1210
15.49 x 13.86 x 6.34	FAHS141206	FAHP141206	FAHSCC141206	FAHPCC141206	FACP1412SA	FMP1412
15.49 x 13.86 x 8.34	FAHS141208	FAHP141208	FAHSCC141208	FAHPCC141208	FACP1412SA	FMP1412
17.58 x 15.96 x 8.34	FAHS161408	FAHP161408	FAHSCC161408	FAHPCC161408	FACP1614SA	FMP1614
19.77 x 18.15 x 10.34	FAHS181610	FAHP181610			FACP1816SA	FMP1816
21.79 x 18.16 x 10.34	FAHS201610	FAHP201610			FACP2016SA	FMP2016

Dimensional Drawings



Configuration Dimensions In Inches (mm)

Catalog Number	Overall H x W x D	Inside A x B x C	Mounting P x R	K	L	S	T	Opt. Mtg. Feet E x F	N	J	M	Weight
FAHS060604 FAHP060604 FAHSCC060604 FAHPCC060604	7.41H (188.3) 7.79W (197.9) 4.31D (109.5)	6.77 x 6.77 x 4.06 (171.9 x 171.9 x 103.2)	5.93 x 4.00 (150.6 x 101.6)	4.25 (108)	4.25 (108)	3.60 (91.5)	0.38 (9.6)	8.24 x 4.00 (209.2 x 101.6)	9.02 (229.0)	4.56 (115.8)	0.25 (6.35)	2.5 lbs.
FAHS080604 FAHP080604 FAHSCC080604 FAHPCC080604	9.41H (239.1) 7.79W (197.9) 4.31D (109.5)	8.77 x 6.77 x 4.06 (222.7 x 171.9 x 103.2)	7.91 x 4.00 (200.9 x 101.6)	6.25 (159)	4.25 (108)	3.60 (91.5)	0.38 (9.6)	10.21 x 4.00 (259.3 x 101.6)	10.98 (279.0)	4.56 (115.8)	0.25 (6.35)	3.0 lbs.
FAHS080804 FAHP080804 FAHSCC080804 FAHPCC080804	9.39H (238.5) 9.76W (248.0) 4.31D (109.5)	8.74 x 8.74 x 4.06 (222.1 x 222.1 x 103.2)	7.91 x 6.00 (200.9 x 152.4)	6.25 (159)	6.25 (159)	3.60 (91.5)	0.38 (9.6)	10.21 x 6.00 (259.3 x 152.4)	10.98 (279.0)	4.56 (6.35)	0.25 (115.8)	3.5 lbs.
FAHS100806 FAHP100806 FAHSCC100806 FAHPCC100806	11.42H (290.1) 9.79W (248.6) 6.31D (160.3)	10.73 x 8.73 x 6.06 (272.5 x 221.7 x 153.9)	9.89 x 6.00 (251.2 x 152.4)	8.25 (210)	6.25 (159)	5.60 (142.3)	0.38 (9.6)	12.19 x 6.00 (309.6 x 152.4)	12.96 (329.3)	6.56 (166.6)	0.25 (6.35)	4.5 lbs.
FAHS121006 FAHP121006 FAHSCC121006 FAHPCC121006	13.45H (341.6) 11.83W (300.5) 6.31D (160.3)	12.69 x 10.69 x 6.06 (322.3 x 271.5 x 153.9)	11.88 x 8.00 (301.7 x 203.2)	10.25 (260)	8.25 (210)	5.60 (142.3)	0.38 (9.6)	14.18 x 8.00 (360.2 x 203.2)	14.95 (379.7)	6.56 (166.6)	0.25 (6.35)	6.0 lbs.
FAHS141206 FAHP141206 FAHSCC141206 FAHPCC141206	15.49H (393.4) 13.86W (352.0) 6.34D (161.0)	14.72 x 12.72 x 6.06 (373.9 x 323.1 x 153.9)	13.91 x 10.00 (353.3 x 254.0)	12.25 (311)	10.25 (260)	5.60 (142.3)	0.38 (9.6)	16.21 x 10.00 (411.7 x 254.0)	16.98 (431.4)	6.59 (167.4)	0.25 (6.35)	8.0 lbs.
FAHS141208 FAHP141208 FAHSCC141208 FAHPCC141208	15.49H (393.4) 13.86W (352.0) 8.34D (211.8)	14.66 x 12.66 x 8.06 (372.4 x 321.6 x 204.7)	13.88 x 10.00 (352.5 x 254.0)	12.25 (311)	10.25 (260)	7.60 (193.2)	0.38 (9.6)	16.19 x 10.00 (411.2 x 254.0)	16.96 (430.9)	8.59 (218.2)	0.25 (6.35)	9.5 lbs.
FAHS161408 FAHP161408 FAHSCC161408 FAHPCC161408	17.58H (446.6) 15.96W (405.4) 8.34D (211.8)	16.69 x 14.69 x 8.06 (424.0 x 373.1 x 204.7)	15.96 x 12.00 (405.4 x 304.8)	14.25 (362)	12.25 (311)	7.60 (193.2)	0.38 (9.6)	18.26 x 12.00 (464.0 x 304.8)	19.04 (483.5)	8.59 (218.2)	0.25 (6.35)	11.5 lbs.
FAHS181610 FAHP181610	19.77H (502.2) 18.15W (461.0) 10.34D (262.6)	18.63 x 16.63 x 10.06 (473.2 x 422.4 x 255.5)	17.94 x 14.00 (455.6 x 355.6)	16.25 (413)	14.25 (362)	9.60 (243.9)	0.38 (9.6)	20.24 x 14.00 (514.3 x 355.6)	21.02 (533.8)	10.59 (268.9)	0.25 (6.35)	16.0 lbs.
FAHS201610 FAHP201610	21.79H (553.5) 18.16W (461.2) 10.34D (262.6)	20.63 x 16.63 x 10.06 (524.0 x 422.4 x 255.5)	19.96 x 14.00 (506.9 x 355.6)	18.25 (463)	14.25 (362)	9.59 (243.7)	0.38 (9.6)	22.26 x 14.00 (565.6 x 355.6)	23.04 (585.1)	10.59 (268.9)	0.25 (6.35)	17.5 lbs.

Fiberglass Enclosures Wall Mount & Large Fiberglass Enclosure Series

The Cooper Crouse-Hinds Wall Mount and Large Fiberglass Enclosure Series offer a solution for applications requiring a large enclosure especially suited for indoor or outdoor use and to provide protection against falling dirt, rain, sleet, snow, and windblown dust. The fiberglass reinforced polyester Wall Mount Series is available in NEMA 3R and 4X configurations and the poured polyurethane seamless gasket provides a watertight and dust-tight environmental seal for exceptional corrosion and chemical resistance.

Features & Benefits:

- Memory retaining continuous polyurethane gasket
- Lightweight
- Integral mounting feet
- Molded in panel mounting inserts
- Stainless steel full length continuous hinge
- Built in padlock hasp
- Chemical resistant fiberglass reinforced polyester
- Water-tight, dust-tight
- Non-conductive, impact resistant, UV resistant
- Rain shield protection against incidental water ingress for NEMA 3R enclosures
- Material cuts, drills, punches, and saws with ease and accuracy
- Rounded edges, minimal protrusions or exposed pocket areas for assembly of dust and debris
- Smooth surface, no color variations, swirls or color pockets, no voids



Certification & Compliances:

3R Series

- UL/cUL 50, Types 1, 3R
- UL File Number E57656
- CSA Std C22.2 - File 244248 Types 1, 3R
- NEMA Standard 250 - Types 1, 3R
- Temperature Range - (-76°F to +250°F) (-60°C to +120°C)
- Flammability Rating - UL94-5V
- Non-flame propagating

4X Series

- UL/cUL 50, Types 1, 3, 3R, 4X, 12
- UL File Number E57656
- CSA Std C22.2 - File 244248 Types 1, 3, 3R, 4X, 12
- NEMA Standard 250 - Types 1, 3, 3R, 4X, 12
- Temperature Range - (-76°F to +250°F) (-60°C to +120°C)
- Flammability Rating - UL94-5V
- Non-flame propagating

Large Fiberglass

- UL/cUL 50, Types 1, 3, 3R, 4X, 12
- UL File Number E57656
- CSA Std C22.2 - File 244248 Types 1, 3, 3R, 4X, 12
- NEMA Standard 250 - Types 1, 3, 3R, 4X, 12
- IP55 & IP66
- Temperature Range - (-76°F to +250°F) (-60°C to +120°C)
- Flammability Rating - UL94-5V
- Non-flame propagating








Materials and Finishes:

- Hot compression molded fiberglass reinforced polyester hand layup FRP
- Poured polyurethane seamless gasket provides water-tight dust-tight environmental seal
- 304 stainless steel used on all external hardware
- Bosses utilize threaded brass inserts accepting 10-32 screws

Fiberglass Enclosures Wall Mount & Large Fiberglass Enclosure Series

5E

Ordering Information:

		
Inside H x W x D	Stainless Steel Hinged, Latched Down Cover	Mounting Plate*
15.92 x 10.27 x 8.53	F4WMSHL161007	FMPWM1610
19.70 x 16.04 x 13.24	F4WMSHL201612	FMPWM2016
24.00 x 12.87 x 7.33	F4WMSHL241206	FMPWM2412
24.00 x 12.87 x 11.33	F4WMSHL241210	FMPWM2412
24.05 x 20.39 x 9.25	F4WMSHL242008	FMPWM2420
24.05 x 24.39 x 11.25	F4WMSHL242410	FMPWM2424
24.05 x 24.39 x 13.25	F4WMSHL242412	FMPWM2424
29.90 x 20.14 x 7.23	F4WMSHL302006	FMPWM3020
29.90 x 20.14 x 9.23	F4WMSHL302008	FMPWM3020
29.90 x 20.14 x 11.23	F4WMSHL302010	FMPWM3020
29.90 x 20.14 x 13.23	F4WMSHL302012	FMPWM3020
30.46 x 25.47 x 8.12	F4WMSHL302407	FMPWM3024
30.46 x 25.47 x 11.27	F4WMSHL302410	FMPWM3024
30.46 x 25.47 x 13.10	F4WMSHL302412	FMPWM3024
36.31 x 31.69 x 9.36	F4WMSHL363008	FMPWM3630
36.31 x 31.69 x 11.36	F4WMSHL363010	FMPWM3630
36.31 x 31.69 x 13.36	F4WMSHL363012	FMPWM3630
		
19.70 x 16.04 x 7.24	F3WMSHL201606	FMPWM2016
24.05 x 24.39 x 11.25	F3WMSHL242410	FMPWM2424
29.90 x 20.14 x 9.23	F3WMSHL302008	FMPWM3020
29.90 x 20.14 x 11.23	F3WMSHL302010	FMPWM3020
30.46 x 25.47 x 11.27	F3WMSHL302410	FMPWM3024
30.46 x 25.47 x 13.10	F3WMSHL302412	FMPWM3024
36.31 x 31.69 x 9.36	F3WMSHL363008	FMPWM3630
36.31 x 31.69 x 11.36	F3WMSHL363010	FMPWM3630
36.31 x 31.69 x 13.36	F3WMSHL363012	FMPWM3630
48.33 x 36.22 x 13.25	F3WMSHL483612	FMPWM4836
48.33 x 32.22 x 17.25	F3WMSHL483616	FMPWM4836
		
48.33 x 36.22 x 13.25	F4LSHL483612	FMPWM4836
48.33 x 32.22 x 17.25	F4LSHL483616	FMPWM4836
60.62 x 36.13 x 13.44	F4LSHL603612	FMPWM6036
60.62 x 36.13 x 17.44	F4LSHL603616	FMPWM6036
36.12 x 48.12 x 13.00	F4LSHLDD364812	FMPWM3648
72.00 x 25.00 x 25.88	F4LSHLFS722525	FMPWM7225
72.00 x 49.00 x 25.88	F4LSHLFSDD724925	FMPWM7249

* Available in: Aluminum (SA), Fiberglass (FG), Carbon Steel (C), and Stainless Steel (SS).
To order, add the suffix to the end of the part number

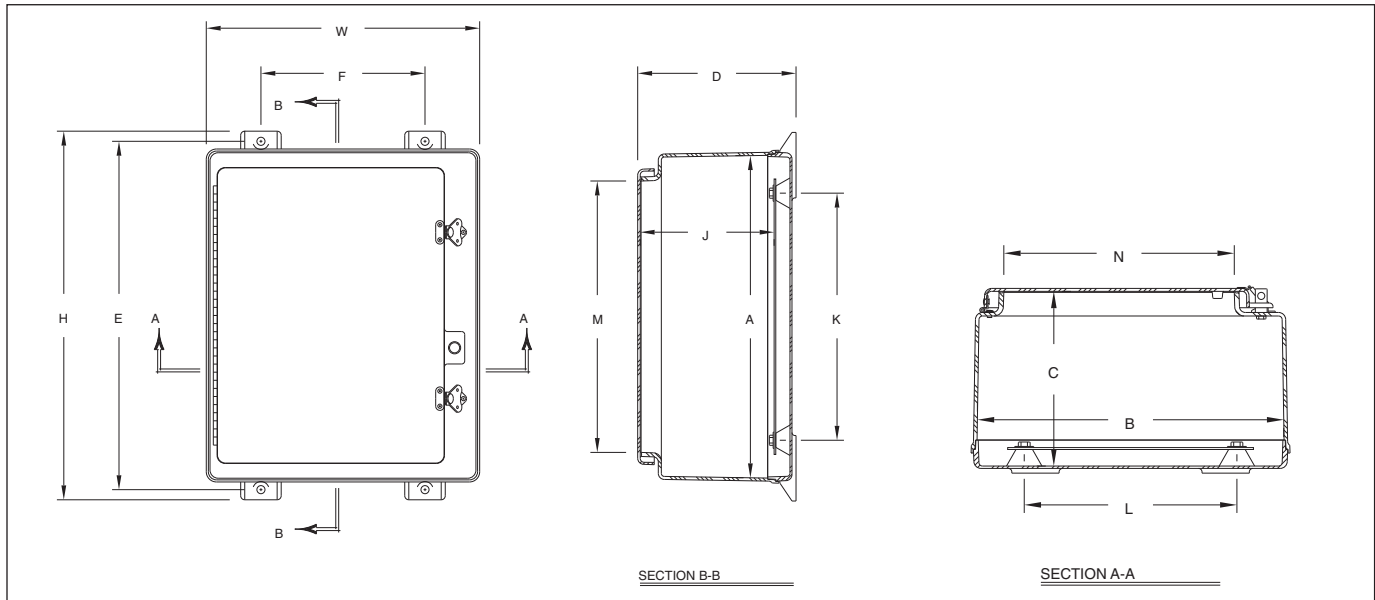
Number of Latches

Inside Enclosure Dimensions	3R Stainless Steel Hinge	4X Stainless Steel Hinge
161007	2	2
201606 201612	2	2
241206 241210	2	2
242008	2	4
242410 242412	2	2
302006 302008 302010 302012	2	5
302407 302410 302412	2	5
363008 363010 363012	3	5
483612 483616	3	10

5E

5E Fiberglass Enclosures Wall Mount & Large Fiberglass Enclosure Series

Dimensional Drawings



Wall Mount Series - NEMA 4X Configuration Dimensions In Inches (mm)

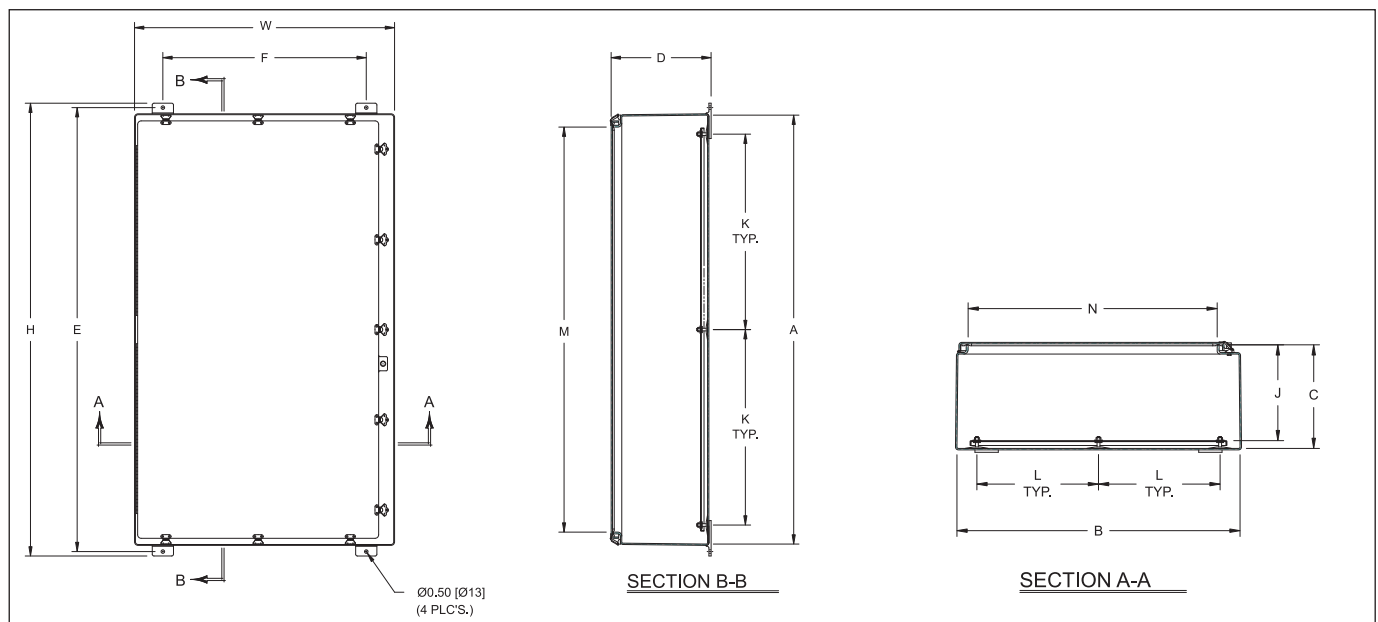
Catalog Number	Overall H x W x D	Inside A x B x C	Mounting E x F	J	K	L	Enclosure Opening M x N	Weight
F4WMSHL161007	18.75 x 10.96 x 9.03 (476 x 278 x 229)	15.92 x 10.27 x 8.53 (404 x 261 x 217)	17.50 x 7.00 (444 x 178)	7.8 (198)	12 (305)	7.5 (191)	13.14 x 6.00 (334 x 152)	12 lbs.
F4WMSHL201612	22.75 x 16.87 x 13.77 (578 x 429 x 350)	19.70 x 16.04 x 13.24 (500 x 407 x 336)	21.50 x 10.12 (546 x 257)	12.26 (312)	15.25 (387)	11.25 (286)	16.75 x 12.19 (425 x 310)	24 lbs.
F4WMSHL241206	26.95 x 13.72 x 7.98 (685 x 348 x 203)	24.00 x 12.87 x 7.33 (610 x 327 x 186)	25.75 x 6.25 (654 x 159)	6.33 (161)	19.25 (489)	7.25 (184)	21.00 x 8.37 (533 x 213)	21 lbs.
F4WMSHL241210	26.95 x 13.72 x 11.99 (685 x 348 x 304)	24.00 x 12.87 x 11.33 (610 x 327 x 288)	25.75 x 6.25 (654 x 159)	10.33 (262)	19.25 (489)	7.25 (184)	21.00 x 8.37 (533 x 213)	25 lbs.
F4WMSHL242008	27.00 x 21.24 x 9.90 (686 x 539 x 252)	24.05 x 20.39 x 9.25 (611 x 518 x 235)	25.75 x 14.00 (654 x 356)	8.25 (209)	19.25 (489)	15.25 (387)	21.25 x 16.00 (540 x 406)	32 lbs.
F4WMSHL242410	27.00 x 25.24 x 11.90 (686 x 641 x 302)	24.05 x 24.39 x 11.25 (611 x 619 x 286)	25.75 x 17.87 (654 x 454)	10.25 (260)	19.25 (489)	19.25 (489)	21.25 x 20.00 (540 x 508)	42 lbs.
F4WMSHL242412	27.00 x 25.24 x 13.90 (686 x 641 x 353)	24.05 x 24.39 x 13.25 (611 x 619 x 336)	25.75 x 17.87 (654 x 454)	12.25 (311)	19.25 (489)	19.25 (489)	21.25 x 20.00 (540 x 508)	43 lbs.
F4WMSHL302006	32.86 x 20.99 x 7.89 (835 x 533 x 200)	29.90 x 20.14 x 7.23 (760 x 511 x 184)	30.75 x 14.25 (806 x 362)	6.23 (158)	25.25 (641)	15.25 (387)	27.00 x 16.50 (686 x 419)	34 lbs.
F4WMSHL302008	32.86 x 20.99 x 9.89 (835 x 533 x 251)	29.90 x 20.14 x 9.23 (760 x 511 x 234)	31.75 x 14.25 (806 x 362)	8.23 (209)	25.25 (641)	15.25 (387)	27.00 x 16.50 (686 x 419)	36 lbs.
F4WMSHL302010	32.86 x 20.99 x 11.89 (835 x 533 x 302)	29.90 x 20.14 x 11.23 (760 x 511 x 285)	31.75 x 14.25 (806 x 362)	10.23 (260)	25.25 (641)	15.25 (387)	27.00 x 16.50 (686 x 419)	39 lbs.
F4WMSHL302012	29.90 x 20.14 x 13.23 (760 x 511 x 336)	29.90 x 20.14 x 13.23 (760 x 511 x 336)	31.75 x 14.25 (806 x 362)	12.23 (311)	25.25 (641)	15.25 (387)	27.00 x 16.50 (686 x 419)	48 lbs.
F4WMSHL302407	33.41 x 26.32 x 8.81 (849 x 668 x 224)	30.46 x 25.47 x 8.12 (774 x 647 x 206)	32.25 x 18.50 (819 x 470)	7.12 (181)	25.25 (641)	19.25 (489)	27.38 x 21.25 (695 x 540)	45 lbs.
F4WMSHL302410	33.41 x 26.32 x 11.95 (849 x 668 x 304)	30.46 x 25.47 x 11.27 (774 x 647 x 286)	32.25 x 18.50 (819 x 470)	10.27 (261)	25.25 (641)	19.25 (489)	27.38 x 21.25 (695 x 540)	50 lbs.
F4WMSHL302412	33.41 x 26.32 x 13.79 (849 x 668 x 350)	30.46 x 25.47 x 13.10 (774 x 647 x 333)	32.25 x 18.50 (819 x 470)	12.1 (307)	25.25 (641)	19.25 (489)	27.38 x 21.25 (695 x 540)	75 lbs.
F4WMSHL363008	39.31 x 32.50 x 10.05 (999 x 826 x 255)	36.31 x 31.69 x 9.36 (922 x 805 x 238)	38.13 x 23.88 (968 x 606)	8.36 (212)	31.25 (794)	25.25 (641)	33.25 x 27.25 (845 x 692)	75 lbs.
F4WMSHL363010	39.31 x 32.50 x 12.05 (999 x 826 x 306)	36.31 x 31.69 x 11.36 (922 x 805 x 289)	38.13 x 23.88 (968 x 606)	10.36 (263)	31.25 (794)	25.25 (641)	33.25 x 27.25 (845 x 692)	78 lbs.
F4WMSHL363012	39.31 x 32.50 x 14.05 (999 x 826 x 357)	36.31 x 31.69 x 13.36 (922 x 805 x 339)	38.13 x 23.88 (968 x 606)	12.36 (314)	31.25 (794)	25.25 (641)	33.25 x 27.25 (845 x 692)	81 lbs.

Fiberglass Enclosures Wall Mount & Large Fiberglass Enclosure Series

5E

Wall Mount Series - NEMA 3R Configuration Dimensions In Inches (mm)

Catalog Number	Overall H x W x D	Inside A x B x C	Mounting E x F	J	K	L	Enclosure Opening M x N	Weight
F3WMSHL201606	22.75 x 16.87 x 8.27 (578 x 429 x 210)	19.17 x 16.04 x 7.24 (500 x 407 x 184)	21.50 x 10.12 (546 x 257)	6.26 (159)	15.25 (387)	11.25 (286)	16.75 x 12.19 (425 x 310)	17 lbs.
F3WMSHL242410	27.00 x 25.24 x 11.90 (686 x 641 x 302)	24.05 x 24.39 x 11.25 (611 x 619 x 286)	25.75 x 17.87 (654 x 454)	10.25 (260)	19.25 (489)	19.25 (489)	21.25 x 20.00 (540 x 508)	42 lbs.
F3WMSHL302008	32.86 x 20.99 x 9.89 (835 x 533 x 251)	29.90 x 20.14 x 9.23 (760 x 511 x 234)	31.75 x 14.25 (806 x 362)	8.23 (209)	25.25 (641)	15.25 (387)	27.00 x 16.50 (686 x 419)	36 lbs.
F3WMSHL302010	32.86 x 20.99 x 11.89 (835 x 533 x 302)	29.90 x 20.14 x 11.23 (760 x 511 x 285)	31.75 x 14.25 (806 x 362)	10.23 (260)	25.25 (641)	15.25 (387)	27.00 x 16.50 (686 x 419)	39 lbs.
F3WMSHL302410	33.41 x 26.32 x 11.95 (849 x 668 x 304)	30.46 x 25.47 x 11.27 (774 x 647 x 286)	32.25 x 18.50 (819 x 470)	10.27 (261)	25.25 (641)	19.25 (489)	27.38 x 21.25 (695 x 540)	50 lbs.
F3WMSHL302412	33.41 x 26.32 x 13.79 (849 x 668 x 350)	30.46 x 25.47 x 13.10 (774 x 647 x 333)	32.25 x 18.50 (819 x 470)	12.10 (307)	25.25 (641)	19.25 (489)	27.38 x 21.25 (695 x 540)	54 lbs.
F3WMSHL363008	39.31 x 32.50 x 10.05 (999 x 826 x 255)	36.31 x 31.69 x 9.36 (922 x 805 x 238)	38.13 x 23.88 (968 x 606)	8.36 (212)	31.25 (794)	25.25 (641)	33.25 x 27.25 (845 x 692)	75 lbs.
F3WMSHL363010	39.31 x 32.50 x 12.05 (999 x 826 x 306)	36.31 x 31.69 x 11.36 (922 x 805 x 289)	38.13 x 23.88 (968 x 606)	10.36 (263)	31.25 (794)	25.25 (641)	33.25 x 27.25 (845 x 692)	78 lbs.
F3WMSHL363012	39.31 x 32.50 x 14.05 (999 x 826 x 357)	36.31 x 31.69 x 13.36 (922 x 805 x 339)	38.13 x 23.88 (968 x 606)	12.36 (314)	31.25 (794)	25.25 (641)	33.25 x 27.25 (845 x 692)	81 lbs.



NEMA 3R Dimensional Drawing F3WMSHL483612 and F3WMSHL483616

F3WMSHL483612	51.29 x 36.62 x 13.93 (1303 x 930 x 354)	48.33 x 36.22 x 13.25 (1228 x 920 x 336)	50.12 x 28.50 (1273 x 724)	12.25 (311)	21.63 (549)	31.25 (794)	45.25 x 32.00 (1149 x 813)	146 lbs.
F3WMSHL483616	51.29 x 36.62 x 17.93 (1303 x 930 x 456)	48.33 x 32.22 x 17.25 (1228 x 920 x 438)	50.12 x 28.50 (1273 x 724)	16.25 (413)	21.63 (549)	31.25 (794)	45.25 x 32.00 (1149 x 813)	164 lbs.

Wall Mount Series / NEMA 3R Chart reflects the Dimensional Drawings from the previous page.

5E Fiberglass Enclosures Wall Mount & Large Fiberglass Enclosure Series

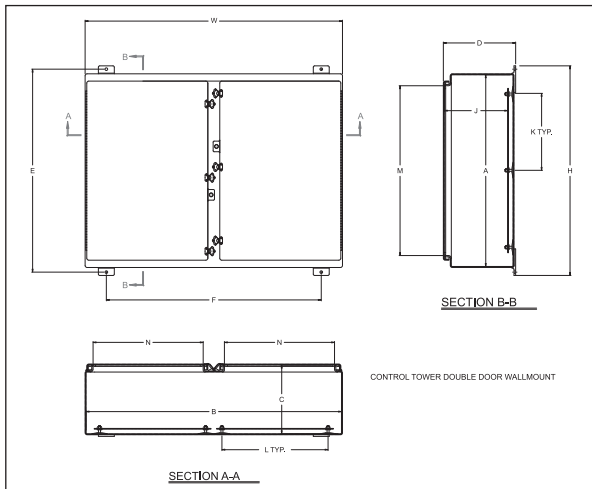
Large Fiberglass Enclosures Series - Configuration Dimensions In Inches (mm)

Catalog Number	Overall H x W x D	Inside A x B x C	Mounting E x F	J	K	L	Enclosure Opening M x N	Weight
F4LSHL483612*	51.29 x 36.62 x 13.93 (1303 x 930 x 354)	48.33 x 36.22 x 13.25 (1228 x 920 x 336)	50.12 x 28.50 (1273 x 724)	12.25 (311)	21.63 (549)	31.25 (794)	45.25 x 32.00 (1149 x 813)	146 lbs.
F4LSHL483616*	51.29 x 36.62 x 17.93 (1303 x 930 x 456)	48.33 x 32.22 x 17.25 (1228 x 920 x 438)	50.12 x 28.50 (1273 x 724)	16.25 (413)	21.63 (549)	31.25 (794)	45.25 x 32.00 (1149 x 813)	164 lbs.
F4LSHL603612*	64.00 x 36.50 x 14.12 (1627 x 927 x 359)	60.62 x 36.13 x 13.44 (1540 x 918 x 441)	62.75 x 28.75 (1594 x 730)	12.44 (316)	27.63 (702)	31.25 (794)	57.25 x 32.00 (1454 x 813)	177 lbs.
F4LSHL603616*	64.00 x 36.50 x 18.12 (1627 x 927 x 460)	60.62 x 36.13 x 17.44 (1540 x 918 x 443)	62.75 x 28.75 (1594 x 730)	16.44 (418)	27.63 (702)	31.25 (794)	57.25 x 32.00 (1454 x 813)	198 lbs.
F4SHLDD364812	39.50 x 48.50 x 13.62 (1003 x 1232 x 346)	36.12 x 48.12 x 13.00 (917 x 1222 x 330)	38.25 x 40.5 (972 x 1029)	11.94 (303)	14.50 (368)	20.00 (508)	32.00 x 20.75 (813 x 527)	146 lbs.
F4SHLFS722525	72.50 x 25.50 x 26.38 (1841 x 648 x 492)	72.00 x 25.00 x 25.88 (1829 x 635 x 657)		24.88 (632)	15.50 (388)	19.00 (483)	64.75 x 21.00 (1645 x 533)	226 lbs.
F4SHLFSDD724925	72.50 x 49.50 x 26.38 (1842 x 1257 x 670)	72.00 x 49.00 x 25.88 (1829 x 1245 x 654)		24.88 (628)	15.50 (394)	20.00 (508)	64.75 x 21.00 (1645 x 533)	350 lbs.

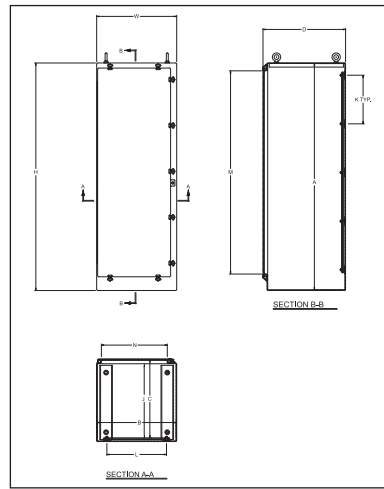
* F4LSHL483612, F4LSHL483616, F4LSHL603612 and F4LSHL603616 reflective of the above chart

Wall Mount & Large Fiberglass Enclosures Series – Dimensional Drawings

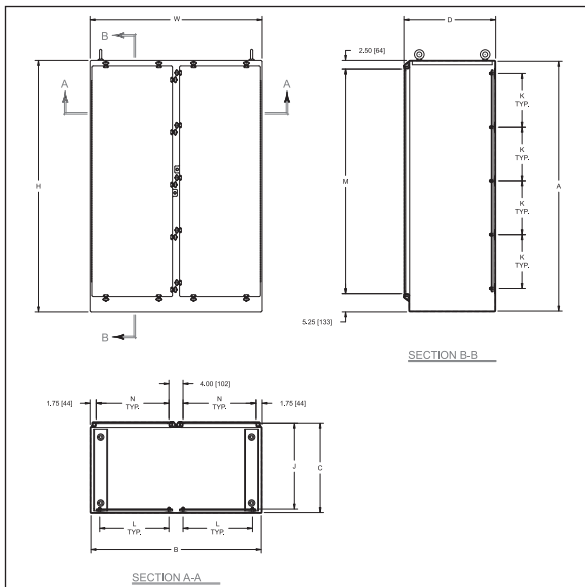
F4LSHDD364812



F4LSHLFS722525



F4LSHLFSDD724925



Fiberglass Enclosures Disconnect and Circuit Breaker Series

The Cooper Crouse-Hinds Disconnect and Circuit Breaker Series are used in larger industrial control systems and machine tool control panels where a disconnect is desirable in extreme environmental conditions. This durable NEMA 4X rated enclosure provides protection from falling dirt, rain, sleet, snow, windblown dust, splashing water, and hose-directed water; and will be undamaged by the external formation of ice on the enclosure. The poured polyurethane seamless gasket and fiberglass reinforced polyester enclosure provides exceptional corrosion and chemical resistance in adverse conditions.

Features & Benefits:

- Integral mounting feet
- Stainless steel full length continuous hinge
- Padlockable in off position
- Lightweight
- Memory retaining continuous polyurethane gasket
- Molded in panel mounting inserts
- Chemical resistant fiberglass reinforced polyester
- Non-corrosive design
- Environmentally sealed Type 4X disconnect handle
- Water-tight, dust-tight
- Non-conductive, impact resistant, UV resistant
- Material cuts, drills, punches, and saws with ease and accuracy
- Rounded edges, minimal protrusions or exposed pocket areas for assembly of dust and debris
- Smooth surface, no color variations, swirls or color pockets, no voids

Certification & Compliances:

- UL/cUL 50, Types 1, 3, 3R, 4X, 12
- UL File Number E57656
- CSA Std C22.2 - File 244248 Types 1, 3, 3R, 4X, 12
- NEMA Standard 250 - Types 1, 3, 3R, 4X, 12
- Temperature Range - (-76°F to +250°F) (-60°C to +120°C)
- Flammability Rating - UL94-5V
- Non-flame propagating



Materials and Finishes:

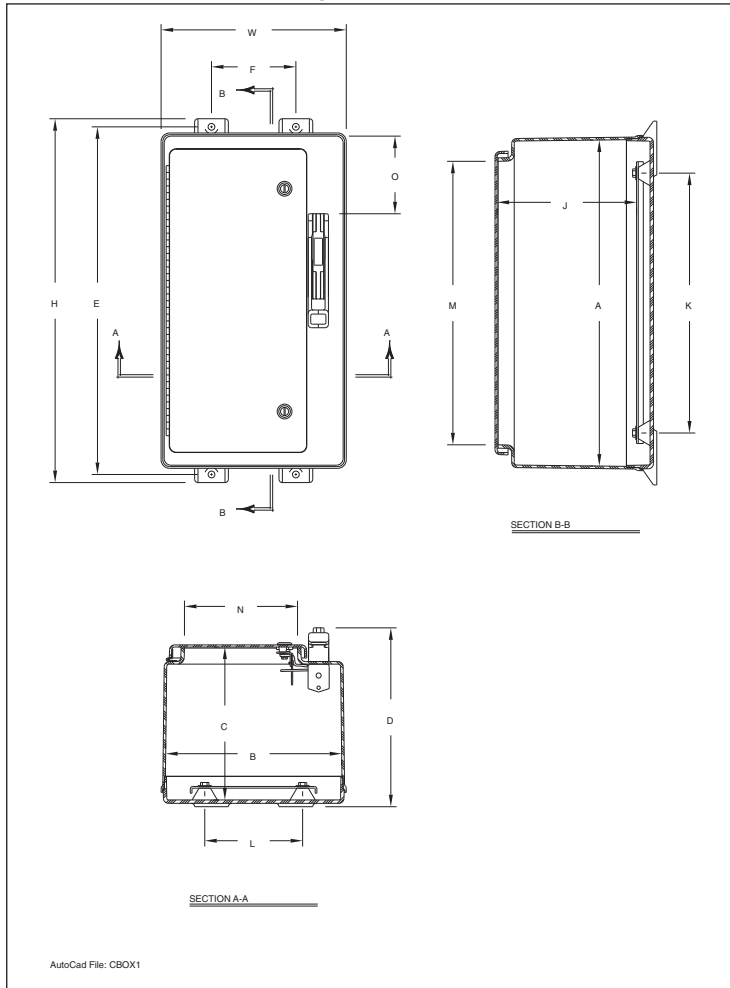
- Hot compression molded fiberglass reinforced thermoset polyester
- Poured polyurethane seamless gasket
- 304 stainless steel used on all external hardware
- Panel mounting capability for fixed rear panel
- Bosses utilize threaded brass inserts

Ordering Information

Inside H x W x D	Disconnect	Mounting Plate*
16 x 10 x 8	FDC161008	FMPC1610
20 x 16 x 9	FDC201608	FMPC2016
24 x 12 x 11	FDC241212	FMPC2412
24 x 24 x 11	FDC242412	FMPC2424
30 x 24 x 11	FDC302412	FMPC3024
36 x 30 x 11	FDC363012	FMPC3630

* Available in: Aluminum (SA), Fiberglass (FG), Carbon Steel (C), and Stainless Steel (SS).
To order, add the suffix to the end of the part number

Dimensional Drawings





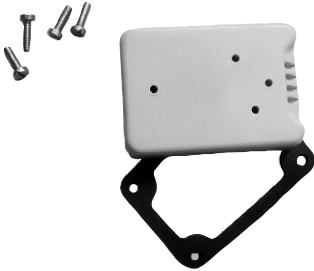
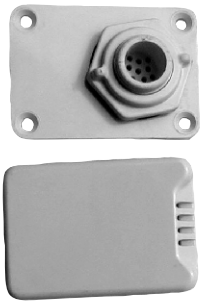
5E

Configuration Dimensions In Inches (mm)

Catalog Number	Overall H x W x D	Inside A x B x C	Mounting E x F	J	K	L	Opening Enclosure M x N	O	Weight
FDC161008	18.75 x 10.96 x 10.25 (476 x 278 x 260)	15.92 x 10.27 x 8.53 (404 x 261 x 217)	17.50 x 7.00 (444 x 178)	7.8 (198)	12 (305)	7.5 (191)	13.14 x 6.00 (334 x 152)	3.50 (89)	13 lbs.
FDC201608	22.75 x 16.87 x 11.00 (578 x 429 x 279)	19.70 x 16.04 x 9.24 (500 x 407 x 235)	21.50 x 10.12 (546 x 257)	8.26 (210)	15.25 (387)	11.25 (286)	16.75 x 12.19 (425 x 310)	3.50 (89)	23 lbs.
FDC241212	26.95 x 13.72 x 13.25 (685 x 348 x 337)	24.00 x 12.87 x 11.33 (610 x 327 x 288)	25.75 x 6.25 (654 x 159)	10.33 (262)	19.25 (489)	7.25 (184)	21.00 x 8.37 (533 x 213)	5.75 (146)	26 lbs.
FDC242412	27.00 x 25.24 x 13.19 (686 x 641 x 335)	24.05 x 24.39 x 11.25 (611 x 619 x 286)	25.75 x 17.87 (654 x 454)	10.25 (260)	19.25 (489)	19.25 (489)	21.25 x 20.00 (540 x 508)	5.75 (146)	40 lbs.
FDC302412	33.41 x 26.32 x 13.19 (849 x 668 x 335)	30.46 x 25.47 x 11.27 (774 x 647 x 286)	32.25 x 18.50 (819 x 470)	10.27 (261)	25.25 (641)	19.25 (489)	27.38 x 21.25 (695 x 540)	12.25 (311)	51 lbs.
FDC363012	39.31 x 32.50 x 13.31 (999 x 826 x 338)	36.31 x 31.69 x 11.36 (922 x 805 x 289)	38.13 x 23.88 (968 x 606)	10.36 (263)	31.25 (794)	25.25 (641)	33.25 x 27.5 (845 x 692)	12.25 (311)	79 lbs.

*Disconnect, fuse block, breaker, yoke, switches, or other internal components are not furnished with enclosure.

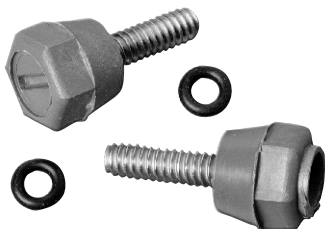
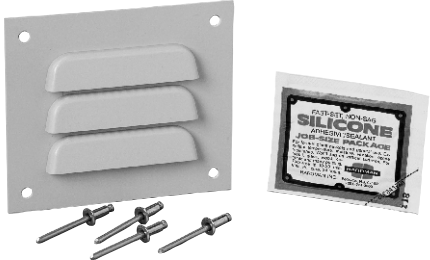

Drain & Breather Vent

			
<p>CHDV - Drain Vent</p>	<p>CHDVKIT - Drain Vent Kit</p>	<p>CHDVKIT4X - Drain Vent Kit 4X</p>	<p>CHBVKIT4X - Breather Vent Kit 4X</p>

Encapsulated Screws



Louver Plate Vent

Carrying Handle

		
<p>CHENCAP2PK CHENCAP4PK</p>	<p>CHLP1 CHLPKIT</p>	<p>CHHANDLE</p>

Stainless Steel Screws

Corrosion Inhibitor

	
<p>CHSS2PK CHSS4PK</p>	<p>CHCI21 Radius of Protection: 2 ft. Normal Life Span: 1 yr.</p>

5E

5E Fiberglass Enclosure Accessories

Fiberglass Hole Plug Assembly



Catalog Number	Fits	Hole Dia. Range
FPLG1KIT	1/2" Dia. Hole	.50" - .56"
	5/8" Dia. Hole	.63" - .69"
	3/4" Dia. Hole	.75" - .81"
FPLG2KIT	22mm PB,	.88" - 1.00"
	1/2" Conduit	
	3/4" Conduit	1.06" - 1.12"
FPLG3KIT	30mm PB	1.22" - 1.28"
	1" Conduit	1.38" - 1.50"
	1 1/4" Conduit	1.69" - 1.75"
FPLG4KIT	1 1/2" Conduit	2.00" - 2.12"
	2" Conduit	2.50" - 2.56"
FPLG5KIT	2 1/2" Conduit	3.00"
FPLG6KIT	3" Conduit	3.62"
FPLG7KIT	3 1/2" Conduit	4.12"
FPLG8KIT	4" Conduit	4.62"

Fiberglass Enclosure Mounting Plate Options

Aluminum (SA)
Back Panels
Grade Aluminum
3003 H14 - No Finish

Fiberglass (FG)
Back Panels
All FG Back Panels
UL 94 V-0 Rated

Stainless Steel (SS)
Back Panels
Stainless Steel
Grade 304

Carbon Steel (C)
Back Panels
Carbon Steel
Grade 1010 HRS -
Painted White Enamel

Mounting Plates for Disconnect & Circuit Breaker Dimensions

Only Available in Carbon Steel (C)	BA	BB	BK	BL	Panel Thickness BT	Panel Type	Hole Dia.	# of Holes	Weight (Carbon Steel) Suffix: C	Fits Typical Enclosure Size
FMPC1610	13.00 (330)	8.50 (216)	12.00 (305)	7.50 (191)	0.08 (2)	Flat	0.31 (8)	4	3.3 lbs.	16 x 10 Disconnect enclosure
FMPC2016	16.88 (429)	13.38 (340)	15.25 (387)	11.25 (286)	0.13 (2)	Formed	0.31 (8)	4	7.3 lbs.	20 x 16 Disconnect enclosure
FMPC2412	20.88 (530)	9.38 (238)	19.25 (489)	7.25 (184)	0.13 (2)	Formed	0.50 (13)	4	6.5 lbs.	24 x 12 Disconnect enclosure
FMPC2424	20.88 (530)	21.38 (543)	19.25 (489)	19.25 (489)	0.13 (2)	Formed	0.50 (13)	4	14 lbs.	24 x 24 Disconnect enclosure
FMPC3024	26.88 (683)	21.38 (543)	25.25 (641)	19.25 (489)	0.13 (2)	Formed	0.50 (13)	4	19 lbs.	30 x 24 Disconnect enclosure
FMPC3630	32.88 (835)	27.38 (695)	31.25 (794)	25.25 (641)	0.13 (2)	Formed	0.50 (13)	5	27 lbs.	36 x 30 Disconnect enclosure

Mounting Plates for NEMA 3R, NEMA 4X & Large Fiberglass Enclosure Dimensions

Catalog Number	BA	BB	BK	BL	BT (SA)	BT (C)	Panel Type	Hole Dia.	# of Holes	Weight (Aluminum) Suffix: SA	Weight (Carbon Steel) Suffix: C
FMPWM1610SA FMPWM1610C	13.00 (330)	8.50 (216)	12.00 (305)	7.50 (191)	0.090 (2)	0.105 (3)	Flat	0.31 (8)	4	1 lb.	3.3 lbs.
FMPWM2016SA FMPWM2016C	17.00 (432)	13.00 (330)	15.25 (387)	11.25 (286)	0.090 (2)	0.105 (3)	Flat	0.50 (13)	4	2 lbs.	6.7 lbs.
FMPWM2412SA FMPWM2412C	21.00 (533)	9.00 (229)	19.25 (489)	7.25 (184)	0.090 (2)	0.105 (3)	Flat	0.50 (13)	4	4.5 lbs.	8.7 lbs.
FMPWM2420SA FMPWM2420C	21.00 (533)	17.00 (432)	19.25 (489)	15.25 (387)	0.13 (3)	0.105 (3)	Flat	0.50 (13)	4	5 lbs.	10.8 lbs.
FMPWM2424SA FMPWM2424C	21.00 (533)	21.00 (533)	19.25 (489)	19.25 (489)	0.13 (3)	0.105 (3)	Flat	0.50 (13)	4	5.5 lbs.	13.4 lbs.
FMPWM3020SA FMPWM3020C	27.00 (686)	17.00 (432)	25.25 (641)	15.25 (387)	0.13 (3)	0.105 (3)	Flat	0.50 (13)	4	5.8 lbs.	14 lbs.
FMPWM3024SA FMPWM3024C	27.00 (686)	21.00 (533)	25.25 (641)	19.25 (489)	0.13 (3)	0.105 (3)	Flat	0.50 (13)	4	7 lbs.	17 lbs.
FMPWM3630SA FMPWM3630C	33.00 (838)	27.00 (686)	31.25 (794)	25.25 (641)	0.13 (3)	0.105 (3)	Flat	0.50 (13)	4	11 lbs.	27 lbs.
FMPWM3636SA FMPWM3636C	31.00 (787)	33.00 (838)	29.00 (737)	31.00 (787)	0.13 (3)	0.105 (3)	Formed	0.50 (13)	6	13 lbs.	33 lbs.
FMPWM3648SA FMPWM3648C	31.00 (787)	22.00 (559)	29.00 (737)	20.00 (508)	0.13 (3)	0.105 (3)	Flat	0.50 (13)	8	22 lbs.	41 lbs.
FMPWM4836SA FMPWM4836C	45.00 (1143)	33.00 (838)	43.25 (1099)	31.25 (794)	0.13 (3)	0.105 (3)	Formed	0.50 (13)	8	22 lbs.	47 lbs.
FMPWM6036SA FMPWM6036C	57.00 (1448)	33.00 (838)	55.25 (1403)	31.25 (794)	0.13 (3)	0.105 (3)	Formed	0.50 (13)	8	23 lbs.	60 lbs.
FMPWM7225SA FMPWM7225C	64.00 (1626)	21.00 (533)	62.00 (1575)	19.00 (483)	0.13 (3)	0.105 (3)	Formed	0.50 (13)	10	30 lbs.	43 lbs.
FMPWM7249SA FMPWM7249C	64.00 (1626)	22.00 (559)	62.00 (1575)	20.00 (508)	0.13 (3)	0.105 (3)	Formed	0.50 (13)	10	38 lbs.	91 lbs.

Mounting Plates for FSJ, FPB, FJ, FRCJ, FXDJ, FA Series Enclosures

Catalog Number	BA	BB	BK	BL	BT (SA)	BT (FG)	BT (SS)	BT (C)	Panel Type	Hole Dia.	# of Holes	Weight (Aluminum) Suffix: SA	Weight (Fiberglass) Suffix: FG	Weight (Stainless) Suffix: SS	Weight (Carbon Steel) Suffix: C
FMP0604SA FMP0604FG FMP0604SS FMP0604C	4.88 (124)	2.88 (73)	4.25 (108)	2.25 (57)	0.080 (2)	0.125 (3)	0.060 (2)	0.075 (2)	Flat	0.25 (6)	4	2 oz.	2 oz.	5 oz.	5 oz.
FMP0606SA FMP0606FG FMP0606SS FMP0606C	4.88 (124)	4.88 (124)	4.25 (108)	4.25 (108)	0.080 (2)	0.125 (3)	0.060 (2)	0.075 (2)	Flat	0.25 (6)	4	3 oz.	3 oz.	8 oz.	8 oz.
FMP0706SA FMP0706FG FMP0706SS FMP0706C	6.00 (152)	4.88 (124)	5.38 (137)	4.25 (108)	0.080 (2)	0.125 (3)	0.060 (2)	0.075 (2)	Flat	0.25 (6)	4	4 oz.	n/a	n/a	10 oz.
FMP0806SA FMP0806FG FMP0806SS FMP0806C	6.88 (175)	4.88 (124)	6.25 (159)	4.25 (108)	0.080 (2)	0.125 (3)	0.060 (2)	0.075 (2)	Flat	0.25 (6)	4	4 oz.	4 oz.	12 oz.	12 oz.
FMP0808SA FMP0808FG FMP0808SS FMP0808C	6.88 (175)	6.88 (175)	6.25 (159)	6.25 (159)	0.080 (2)	0.125 (3)	0.060 (2)	0.075 (2)	Flat	0.25 (6)	4	5 oz.	5 oz.	15 oz.	15 oz.
FMP0906SA FMP0906FG FMP0906SS FMP0906C	8.25 (210)	4.88 (124)	7.63 (194)	4.25 (108)	0.080 (2)	0.125 (3)	0.060 (2)	0.075 (2)	Flat	0.25 (6)	4	5 oz.	n/a	n/a	14 oz.

5E

5E Fiberglass Enclosure Accessories

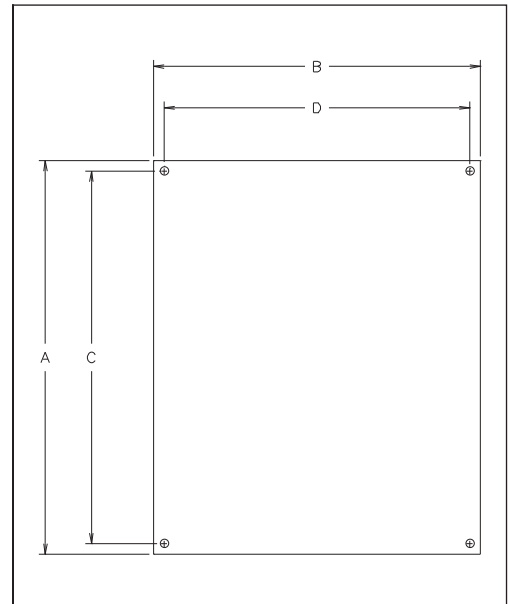
Mounting Plates for FSJ, FPB, FJ, FRCJ, FXDJ, FA Series Enclosures

Catalog Number	BA	BB	BK	BL	BT (SA)	BT (FG)	BT (SS)	BT (C)	Panel Type	Hole Dia.	# of Holes	Weight (Aluminum) Suffix: SA	Weight (Fiberglass) Suffix: FG	Weight (Stainless) Suffix: SS	Weight (Carbon Steel) Suffix: C
FMP1008SA FMP1008FG FMP1008SS FMP1008C	8.88 (225)	6.88 (175)	8.25 (210)	6.25 (159)	0.080 (2)	0.125 (3)	0.060 (2)	0.075 (2)	Flat	0.25 (6)	4	8 oz.	8 oz.	19 oz.	21 oz.
FMP1210SA FMP1210FG FMP1210SS FMP1210C	10.88 (276)	8.88 (225)	10.25 (260)	8.25 (210)	0.080 (2)	0.125 (3)	0.060 (2)	0.075 (2)	Flat	0.25 (6)	4	12 oz.	14 oz.	30 oz.	33 oz.
FMP1212SA FMP1212FG FMP1212SS FMP1212C	10.88 (276)	10.88 (276)	10.25 (260)	10.25 (260)	0.080 (2)	0.125 (3)	0.060 (2)	0.075 (2)	Flat	0.25 (6)	4	16 oz.	18 oz.	37 oz.	38 oz.
FMP1407SA FMP1407FG FMP1407SS FMP1407C	12.88 (327)	5.88 (149)	12.25 (311)	5.25 (133)	0.080 (2)	0.125 (3)	0.060 (2)	0.075 (2)	Flat	0.25 (6)	4	14 oz.	14 oz.	32 oz.	34 oz.
FMP1412SA FMP1412FG FMP1412SS FMP1412C	12.88 (327)	10.88 (276)	12.25 (311)	10.25 (260)	0.080 (2)	0.125 (3)	0.060 (2)	0.075 (2)	Flat	0.25 (6)	4	18 oz.	20 oz.	45 oz.	48 oz.
FMP1614SA FMP1614FG FMP1614SS FMP1614C	14.88 (378)	12.88 (327)	14.25 (362)	12.25 (311)	0.080 (2)	0.125 (3)	0.060 (2)	0.075 (2)	Flat	0.25 (6)	4	24 oz.	23 oz.	60 oz.	66 oz.
FMP1816SA FMP1816FG FMP1816SS FMP1816C	16.88 (429)	14.88 (378)	16.25 (413)	14.25 (362)	0.080 (2)	0.125 (3)	0.060 (2)	0.075 (2)	Flat	0.25 (6)	4	31 oz.	32 oz.	88 oz.	87 oz.
FMP2016SA FMP2016FG FMP2016SS FMP2016C	18.88 (479)	14.88 (378)	18.25 (463)	14.25 (362)	0.080 (2)	0.125 (3)	0.060 (2)	0.075 (2)	Flat	0.25 (6)	4	36 oz.	34 oz.	98 oz.	97 oz.

Cover Panel Dimensions

Catalog Number	A	B	C	D	Panel Thk.	Panel Type	Hole Dia.	# of Holes
FACP0606SA	5.64 (143)	5.64 (143)	5.02 (127)	5.02 (127)	0.080 (2)	Flat	0.25 (6)	4
FACP0806SA	7.68 (195)	5.64 (143)	7.05 (179)	5.02 (127)	0.080 (2)	Flat	0.25 (6)	4
FACP0808SA	7.68 (195)	7.68 (195)	7.05 (179)	7.05 (179)	0.080 (2)	Flat	0.25 (6)	4
FACP1008SA	9.71 (247)	7.71 (196)	9.08 (231)	7.08 (180)	0.080 (2)	Flat	0.25 (6)	4
FACP1210SA	11.74 (298)	9.74 (247)	11.12 (282)	9.12 (232)	0.080 (2)	Flat	0.25 (6)	4
FACP1412SA	13.78 (350)	11.78 (299)	13.15 (334)	11.15 (283)	0.080 (2)	Flat	0.25 (6)	4
FACP1614SA	15.81 (402)	13.81 (351)	15.18 (386)	13.18 (334)	0.080 (2)	Flat	0.25 (6)	4
FACP1816SA	17.94 (456)	15.94 (405)	17.31 (440)	15.31 (389)	0.080 (2)	Flat	0.25 (6)	4
FACP2016SA	19.76 (502)	15.76 (400)	19.13 (486)	15.13 (384)	0.080 (2)	Flat	0.25 (6)	4

Note: Cover panel kit includes cover panel and mounting hardware.



Custom Modification Offering:

Please consult the factory for a quotation on the following custom modifications that we are pleased to offer to help meet the needs of our customers:

- Custom molded colors
- Gasketed windows for the FJ, FRC and the Wall Mount Series
- Custom sizes
- Special hole patterns for drilling and tapping configurations
- Dead front and sub panels
- Silk screening capabilities
- Terminal kits and DIN rails available

Custom Built Lighting & Power Panelboards:

Motor control, power distribution products and custom control panels designed and built to our customers' unique needs and delivered when they are required.

Overview:

Fiberglass panelboards rated for outdoor NEMA 3R and 4X environments.

Ratings:

120/208V 3 Phase, 4 Wire

QOB® circuit breakers, single or two-pole 120/240VAC; three-pole 240 VAC

Trip ratings:

- 10 to 70 amps, single-pole
- 10 to 125 amps, two-pole
- 10 to 100 amps, three-pole

480Y/277V 3 Phase, 4 Wire

EDB® circuit breakers, single or two-pole 277 VAC; three-pole 480Y/277 VAC

Trip ratings:

- 15 to 70 amps, single-pole
- 15 to 125 amps, two-pole
- 15 to 125 amps, three-pole

Certifications:

- NEMA 1, 3, 3R, 4X and 12
- UL Standard: 67
- CSA Standard: C22.2



**Gasketed Window
FJ, FRC & Wall Mount Series**



5E

Custom Built Heavy Duty Disconnects (Circuit Breaker, Fusible and Non-Fusible)

Applications:

Fiberglass Heavy Duty Disconnects are for use in disconnecting motor, lighting and other circuits.

Certifications

- NEMA/EEMAC: 1, 3, 3R, 4X and 12
- UL Standard: 508
- CSA Standard: C22.2

Electrical Ratings Ranges:

- 3-pole, 60Hz, 600 VAC
- Starters - NEMA sizes 0, 1, 2
- Breakers - 15 - 800 Amp Rating
- Switches - 30, 60, 100, 200 Amp



Custom Built Control Stations

Overview:

The Pushbutton Series offers an enclosure solution where multiple pre-drilled openings for 30mm pushbuttons are required. Enclosures are available in sizes ranging from 6" x 3" to 13.5" x 11.5" with notched keyhole design and the ability to order up to 25 holes, making this solution a perfect choice for your control station applications.

Certifications and Compliances:

- UL/cUL 50, Types 1, 3, 4X, 6P, 12
- UL Standard: 508
- CSA Std C22.2 - File 244248 Types 1, 3, 4X, 6P, 12
- NEMA Standard 250 - Types 1, 3, 4X, 6P, 12

Electrical Ratings Ranges:

- Pushbutton stations and selector switches - heavy duty 600 VAC maximum
- Pilot lights, selector switches, push buttons - 120 to 600 VAC; 24 VAC/DC



NJB/NCE/NCS/NCD Junction Boxes and Enclosures

Corrosion-Resistant
Dust-tight
Watertight
Weatherproof
NEMA 3, 4X, 12

5E

Applications:

Where a corrosion-, heat-, and water-resistant enclosure is desired, *Krydon*® type NJB/NCE/NCS/NCD boxes are installed in conduit systems to:

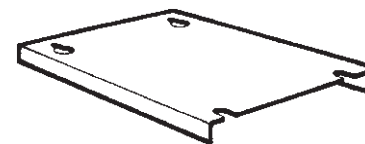
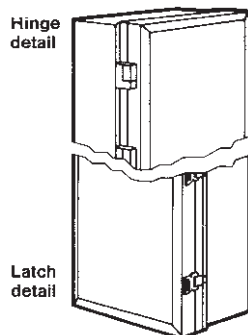
- Act as pull box for conductors
- Provide openings and space for making splices and taps in conductors
- Provide for branch circuit runs
- Provide access to conductors for maintenance and future system changes
- Enclose and protect electrical devices

Features:

- Adjustable mounting feet permit side or top mounting (1018 and larger)
- Removable enclosure covers with Hypalon gaskets – hinged type optional – to provide full interior access for ease of wiring
- Hinged access door standard on NCE control enclosure covers
- Flat neoprene access door gaskets

Certifications and Compliances:

- NEMA 3, 4X and 12 (raintight only, when latches are used)
- UL Standard: 50



Options:

- Hubs for factory or field installation – see listing on page 846
- Grounding plate or bushing – see listing on page 846
- Hinge and latch kits. For field installation, order the required number of kits
 - Hinge kit – **NH1**
 - Latch and lockout kit – **NTL01**
- Mounting plates, made of steel with electrogalvanized finish, can be custom drilled to your specifications or supplied blank.

Fits Enclosure	Mounting Plate Cat. #	Dimensions	
		Length	Width
3/4 x 6 3/4	MP0407	4 1/2	2 3/4
3/4 x 9	MP0409	6 3/4	2 3/4
3/4 x 11	MP0411	8 3/4	2 3/4
5 x 9	MP0509	6 3/4	3 3/4
7 x 10	MP0710	7 1/2	5 3/4
7 x 14	MP0714	9	5 3/4
10 x 18	MP1018	14 1/2	8 1/2
10 x 24	MP1024	20	8 1/2
14 x 26	MP1426	22 1/2	12 3/4
24 x 26	MP2426	22	20

Ordering Information

Junction Boxes

Basic Box Cat. #	With Hinges (1 side) Cat. #	With Trunk Latches (all sides) Cat. #	With Hinges (1 side) and Trunk Latches (3 sides) Cat. #	Control Enclosures		
				With Door in Cover Cat. #	Maximum Hub Size	
				Long Sides	Short Sides	
NJB040703					3/4	3/4
NJB040704					1	1
NJB040903					3/4	3/4
NJB041103					3/4	3/4
NJB041104					1	1
NJB050905					1 1/2	1 1/2
NJB071006	NJB071006 NH				2	2
NJB071406	NJB071406 NH				2	2
NJB101807	NJB101807 NH	NJB101807 NTL	NJB101807 NHTL	NCE101807	2*	2 1/2
NJB102407	NJB102407 NH	NJB102407 NTL	NJB102407 NHTL	NCE102407	2*	2 1/2
NJB142608	NJB142608 NH	NJB142608 NTL	NJB142608 NHTL	NCE142608	2 1/2 *	3
NJB242608	NJB242608 NH	NJB242608 NTL	NJB242608 NHTL	NCE242608	2 1/2 *	3

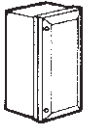
*Can be increased one hub size when used without mounting plate.

Control Station Enclosures

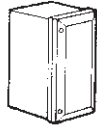
Without Hubs Cat. #	With One Hub (1/2") Cat. #	With Two Hubs (1/2") Cat. #	With One Hub (3/4") Cat. #	With Two Hubs (3/4") Cat. #	With One Hub (1") Cat. #	With Two Hubs (1") Cat. #
NCD01	NCD11	NCDC11	NCD21	NCDC21	NCD31	NCDC31
NCS01 (1 device)	NCS11	NCSC11	NCS21	NCSC21		
NCD02	NCD12	NCDC12	NCD22	NCDC22	NCD32	NCDC32
NCS02 (2 devices)	NCS12	NCSC12	NCS22	NCSC22		
NCD03	NCD13	NCDC13	NCD23	NCDC23	NCD33	NCDC33
NCS03 (3 devices)	NCS13	NCSC13	NCS23	NCSC23		
NCD04	NCD14	NCDC14	NCD24	NCDC24	NCD34	NCDC34
NCS04 (4 devices)	NCS14	NCSC14	NCS24	NCSC24		

Quick Selector Guide

NJB Series Junction Boxes



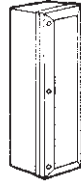
NJB040703
3 1/4 x 6 3/4 x 2 3/4



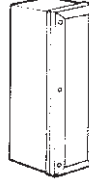
NJB040704
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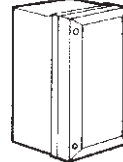
NJB040903
3 1/4 x 9 x 2 3/4



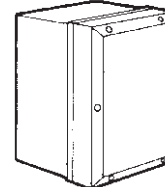
NJB041103
3 1/4 x 11 x 2 3/4



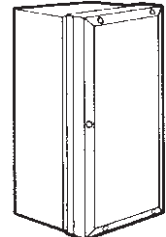
NJB041104
3 1/4 x 11 x 3 3/4



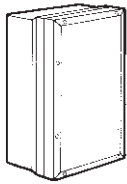
NJB050905
5 x 9 x 5



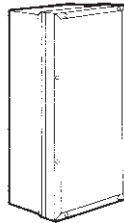
NJB071006
7 x 10 x 6 1/2



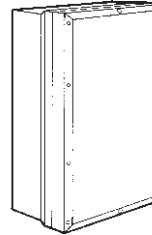
NJB071406
7 x 14 x 6 1/2



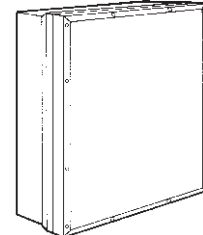
NJB101807
10 x 18 x 7 1/2



NJB102407
10 x 24 x 7 1/2

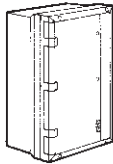


NJB142608
14 x 26 x 8 1/2

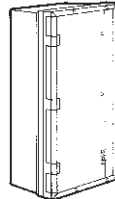


NJB242608
24 x 26 x 8 1/2

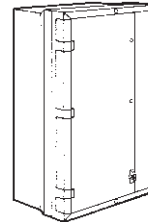
NCE Series Control Enclosures



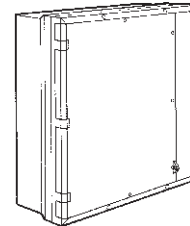
NCE101807
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NCE102407
10 x 24 x 7 1/2

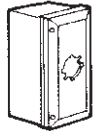


NCE142608
14 x 26 x 8 1/2



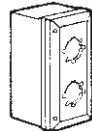
NCE242608
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NCD/NCS Series Control Stations



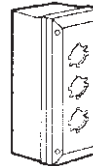
NCD01
3 1/4 x 6 3/4 x 3 3/4

NCS01
3 1/4 x 6 3/4 x 2 3/4
1 Device

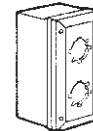


NCD02
3 1/4 x 6 3/4 x 3 3/4

NCS02
3 1/4 x 6 3/4 x 2 3/4
2 Devices



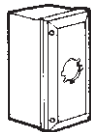
NCS03
3 1/4 x 9 x 2 3/4
3 Devices



NCD03 and NCD04
3 1/4 x 11 x 3 3/4

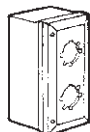
NCS04
3 1/4 x 11 x 2 3/4
4 Devices

Dimensions



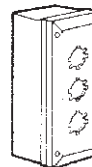
NCD01
3 1/4 x 6 3/4 x 3 3/4

NCS01
3 1/4 x 6 3/4 x 2 3/4
1 Device

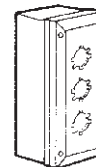


NCD02
3 1/4 x 6 3/4 x 3 3/4

NCS02
3 1/4 x 6 3/4 x 2 3/4
2 Devices



NCS03
3 1/4 x 9 x 2 3/4
3 Devices



NCD03 and NCD04
3 1/4 x 11 x 3 3/4

NCS04
3 1/4 x 11 x 2 3/4
4 Devices

NJB/NCE/NCS/NCD Junction Boxes and Enclosures

5E

Dimensions (In Inches)*

Figure 1
Dimensions:

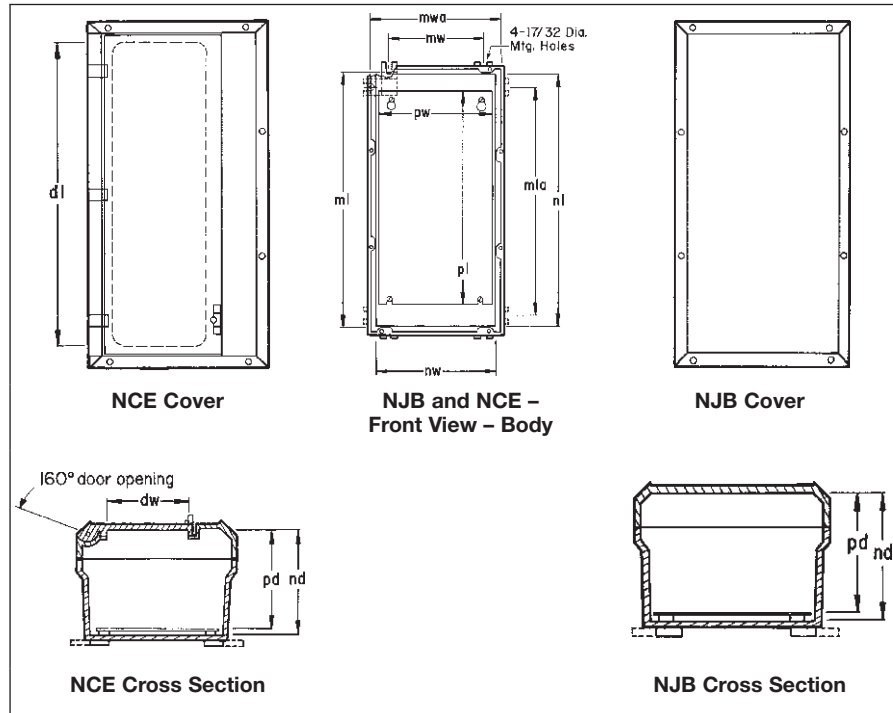
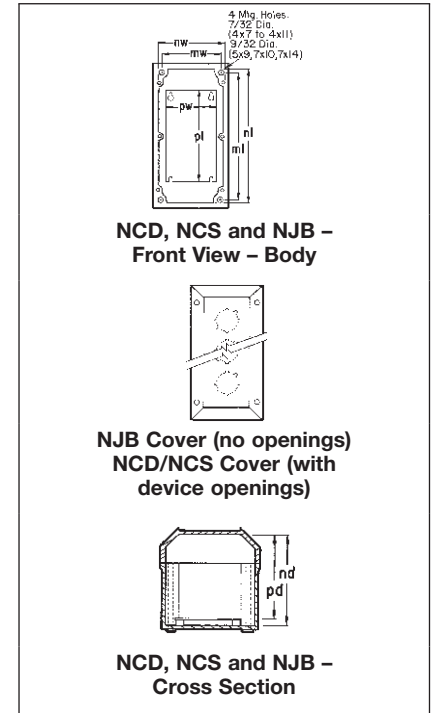


Figure 2
Dimensions:



Cat. #	Nominal Inside Dimensions			Plate Dimensions			Door Opening Dimensions		Mounting Dimensions		Alternate Mounting Dimensions	
	nw	nl	nd	pw	pl	pd	dw	dl	mw	ml	mwa	mla
Figure No. 1 (Approx. wall thickness - 1/4")												
NJB101807	10	18	7 1/2	8 1/2	14 1/2	7 1/16	5 11/16	16 7/8	7 7/8	19 3/8	11 3/8	15 7/8
NCE101807												
NJB102407	10	24	7 1/2	8 1/2	20	7 1/16	5 11/16	22 7/8	7 7/8	25 3/8	11 3/8	21 7/8
NCE102407												
NJB142608	14	26	8 1/2	12 3/4	22 1/2	8 1/16	9 11/16	23 11/16	11 7/8	27 1/4	15 3/8	23 3/4
NCE142608												
NJB242608	24	26	8 1/2	20	22 1/2	8 1/16	19 11/16	23 11/16	21 3/4	27 1/4	25 1/4	25 3/4
NCE242608												
Figure No. 2 (Approx. wall thickness - 3/16")												
NJB040703	3 1/4	6 3/4	2 3/4	2 3/4	4 1/2	2 3/8			2 15/16	6 3/8		
NCS01 & 2												
NCD01												
NJB040704	3 1/4	6 3/4	3 3/4	2 3/4	4 1/2	3 3/8			2 15/16	6 3/8		
NCD02												
NJB040903	3 1/4	9	2 3/4	2 3/4	6 3/4	2 3/8			2 15/16	8 5/8		
NCS03												
NJB041103	3 1/4	11	2 3/4	2 3/4	8 3/4	2 3/8			2 15/16	10 7/8		
NCS04												
NCD03												
NJB041104	3 1/4	11	3 3/4	2 3/4	8 3/4	3 3/8			2 15/16	10 7/8		
NCD04												
NJB050905	5	9	5 5/16	3 3/4	6 3/4	4 11/16			4 3/8	8 3/8		
NJB071006	7	10	6 1/2	5 3/4	7 1/2	6 1/16			6 3/8	9 3/8		
NJB071406	7	14	6 1/2	5 3/4	9	6 1/16			6 3/8	13 3/8		

*Not to be used for construction purposes unless approved.

Corrosion-Resistant
 Dust-tight
 Watertight
 Weathertight
 NEMA 3, 4X, 12

Applications:

- NJBW instrument enclosures are used to enclose various instruments which require visual display, including ammeters, voltmeters, watt-hour meters, VAR meters, power factor meters, tachometer indicators, and various pressure and temperature controls

Features:

- Enclosure bodies are made of Cooper Crouse-Hinds high-impact strength Krydon® fiberglass-reinforced polyester which has excellent corrosion resistance and stability to heat.
- Clear cover is a single piece of 3/8" acrylic plastic, gasketed and attached with stainless steel torque limiting screws.

Certifications and Complies:

- NEMA 3, 4X, 12

Accessories:

- Hubs – see listing on page 846
- Grounding plate or bushing – see listing on page 846

Options:

Description

Blank mounting plates

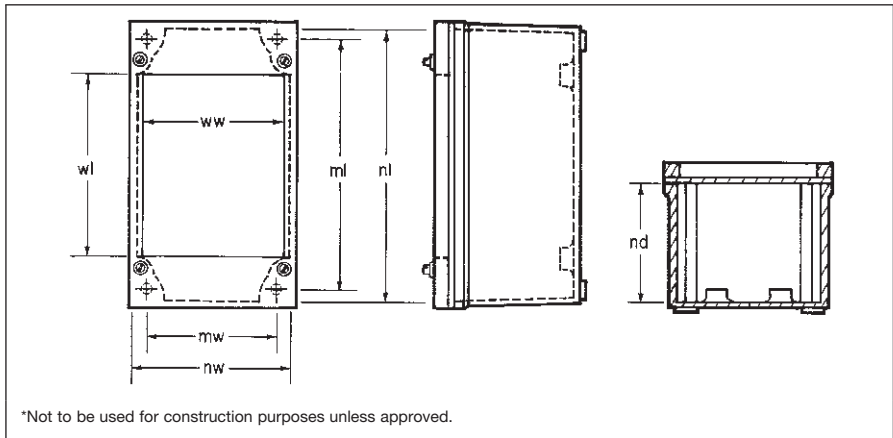
Suffix
 MP



Ordering Information:

Enclosure Cat. #	Window Dimensions
NJBW050905TC	4 1/4 x 5 3/4
NJBW071006TC	5 3/4 x 8 1/8
NJBW071406TC	5 3/4 x 12 1/8

**Dimensions*
 In Inches:**



*Not to be used for construction purposes unless approved.

Enclosure Cat. #	Nominal Inside Dimensions			Mounting Dimensions		Window Dimensions	
	nw	nl	nd	mw	ml	ww	wl
NJBW050905TC	5	9	3 15/16	4 7/8	8 7/8	4 1/4	5 3/4
NJBW071006TC	7	10	4 11/16	6 3/8	9 3/8	5 3/4	8 1/8
NJBW071406TC	7	14	4 11/16	6 3/8	13 3/8	5 3/4	12 1/8

Description	Page No.
Hubs	see page 846
Grounding Plates	see page 846
Grounding Bushings	see page 846
Drains and Breathers	see page 847
CID 101 Corrosion Inhibitor Device	see page 849
LNR Conduit Liner	see page 850
Cable Glands	See Section 4F

Enclosure Accessories - Hubs, Grounding Plates, and Grounding Bushings

Myers Hubs*

Ground Hub Basic Scru-Tite®

Zinc
ATEX Approval with DEMKO 07 ATEX 0618172U

II 2 G Ex e II Class I, Zone 1, AEx e II
UL File No. 187273 Class I, Zone 1, Ex e II

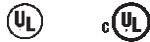


Cat. #	Size	Unit Qty.	Wt. Lbs. Per 100
STGK 1	1/2"	10	20
STGK 2	3/4"	10	30
STGK 3	1"	10	43
STGK 4	1 1/4"	5	55
STGK 5	1 1/2"	5	73
STGK 6	2"	5	95

Stainless Steel – Type 316

ATEX Approval with DEMKO 07 ATEX 0618172U

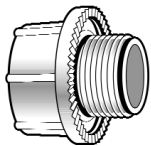
II 2 G Ex e II Class I, Zone 1, AEx e II
UL File No. E-187273 Class I, Zone 1, Ex e II



Cat. #	Size	Unit Qty.	Wt. Lbs. Per 100
SSTGK 1	1/2"	10	20
SSTGK 2	3/4"	10	30
SSTGK 3	1"	10	43
SSTGK 4	1 1/4"	5	55
SSTGK 5	1 1/2"	5	73
SSTGK 6	2"	5	95

Metric To NPT Adapter

Zinc

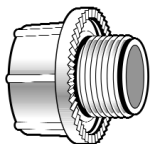


Cat. #	Size	Unit Qty.	Wt. Lbs. Per 100
STM 1	M20 to 1/2"	25	12
STM 2	M25 to 3/4"	25	32
STM 3	M32 to 1"	25	32
STM 4	M40 to 1 1/4"	10	40
STM 5	M50 to 1 1/2"	10	50
STM 6	M63 to 2"	10	70

Note: The Myers Metric to NPT hub adapter is used to convert a threaded metric entry to a NPT entry. The female thread is NPT and the male thread is metric.

Metric To NPT Adapter

Stainless Steel



Cat. #	Size	Unit Qty.	Wt. Lbs. Per 100
SSTM 1	M20 to 1/2"	10	12
SSTM 2	M25 to 3/4"	10	20
SSTM 3	M32 to 1"	10	32
SSTM 4	M40 to 1 1/4"	5	40
SSTM 5	M50 to 1 1/2"	5	50
SSTM 6	M63 to 2"	5	70

Nonmetallic Hubs

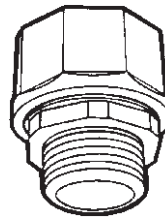
Krydon® material hubs for conduit entrances, in sizes 1/2" through 3" are available for factory or field installation in all enclosures made of *Krydon* material. For factory installation, send drawing showing sizes and locations of hubs. Furnished with and gaskets to assure.

Standard Materials:

- Up to 1 1/2" – *Krydon* material with steel interiors
- 2", 2 1/2" and 3" – *Krydon* material with *Feraloy*® iron alloy interiors

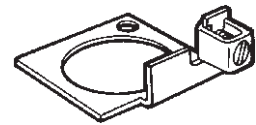
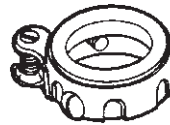
Standard Finishes:

- *Krydon* material – natural
- Steel – electrogalvanized and bleached chromate
- *Feraloy* iron alloy – electrogalvanized



Conduit Size	Hole Size	Hub Cat. #
1/2"	7/8"	NHUB1
3/4"	1 1/8"	NHUB2
1"	1 3/8"	NHUB3
1 1/4"	1 3/4"	NHUB4
1 1/2"	2"	NHUB5
2"	2 1/2"	NHUB6
2 1/2"	3"	NHUB7
3"	3 5/8"	NHUB8

Grounding Plates and Grounding Bushings



Grounding Plates (1/2" through 1") and insulated bushings (1/2" through 3") permit use of the conduit as the grounding circuit. Both types have set screws and ground-wire terminals.

Standard Materials:

- Grounding plates – steel
- Grounding bushings – steel with thermoplastic insulating throat

Standard Finishes:

- Steel – electrogalvanized

Conduit Size	Grounding Plate Cat. #	Grounding Bushing Cat. #
1/2"	GP1	GLS1
3/4"	GP2	GLS2
1"	GP3	GLS3
1 1/4"		GLS4
1 1/2"		GLS5
2"		GLS6
2 1/2"		GLS7
3"		GLS8

* For a complete list of Myers Hubs available from Cooper Crouse-Hinds, refer to Section CP.

Enclosure Accessories - Drains and Breathers

ECD Series

Cl. I, Div. 1 & 2, Groups B, C, D
 Cl. II, Div. 1, Groups E, F, G
 Cl. II, Div. 2, Groups F, G
 Cl. III

II 2 G Ex d IIB (ECD15)
 II 2 G Ex d IIB + Hydrogen (ECD Type 4X Series)
 Explosionproof
 Dust-Ignitionproof

6E

Applications:

- ECD drains and breathers are installed in enclosures or conduit systems to:
 - Provide ventilation to minimize condensation
 - Drain accumulated condensate
- At least one breather should be used with each drain
- A breather is installed in top of enclosure or upper section of conduit system
- A "standard" drain is installed in bottom of enclosure or in lower section of conduit system
- "Universal" breather or drain functions as a breather when mounted at the top of an enclosure, or as a drain when mounted in the bottom of an enclosure
- "Combination" breather and drain is used in those applications where the use of a top mounted breather is not practical due to limited space; or in offshore and marine installations where moisture may enter the enclosure through the breather located on top of enclosure
- Drains and breathers are installed in hubs or drilled and tapped openings

Features:

ECD284, ECD384, ECD385 and ECD15 "Universal" drains and breathers have:

- Patented labyrinth design, suitable for use in Class I, Division 1 & 2, Groups C,D and Class II, Division 1 & 2, Groups F,G areas
- Capability to pass 50 cc of water per minute and 0.2 cubic feet of air per minute at atmospheric pressure
- ECD15 and ECD385 each have a well inside the inner, threaded end to provide for accumulation of sediment without clogging when used as a drain

"Standard" ECD drains and breathers have:

- Thread-in-thread design, suitable for use in Class I, Division 1 & 2, Groups C,D; Class II, Division 1, Groups E,F,G; Class II, Division 2, Groups F,G and Class III areas
- ECD 11, 13 have capability to pass 25 cc of water per minute and .05 cubic feet of air per minute at atmospheric pressure
- ECD387 and ECD16 are a unique thread-in-shaft design for use in Class I, Division 1 & 2, Groups B,C,D; Class II, Division 1, Groups E,F,G; Class II, Division 2, Groups F,G; Class III areas. The ECD387 and ECD16 can pass 15cc of water per minute. The ECD16 can pass .01 cubic feet of air per minute

"Combination" ECD breather and drain:

- Provides ventilation to minimize condensation and drains accumulated condensate – two functions performed by a single device installed in the bottom of an enclosure or conduit system
- Have the capability to pass 25 cc of water per minute and .10 cubic feet of air per minute at atmospheric pressure
- Thread-in-thread and labyrinth design, suitable for use in Class I, Division 1 & 2, Groups C and D; Class II, Division 1 & 2, Groups F and G; and Class III areas

Certifications and Compliances:

- NEC/CEC:
 - ECD 16, ECD387, ECD-N4D, ECD-N4B** – Class I, Division 1 & 2, Groups B, C, D
Class II, Division 1, Groups E, F, G
Class II, Division 2, Groups F, G
Class III
IP46 (ECD-N4D and ECD-N4B only)
IIB + Hydrogen (ECD-N4D and ECD-N4B only)
 - ECD11, ECD13, ECD281** – Class I, Division 1 & 2, Groups C, D
Class II, Division 1, Groups E, F, G
Class II, Division 2, Groups F, G
Class III
 - ECD18, ECD384, ECD15, ECD385** – Class I, Division 1 & 2, Groups C, D
Class II, Division 1, Groups F, G
Class II, Division 2, Groups F, G
Class III
 - ECD284** – Class I, Division 1 & 2, Group C, D
Class II, Division 1, Groups F, G
Class II, Division 2, Groups F, G
- UL: Standard 886
- CSA Standard: C22.2 No. 30
- Type 4X: ECD-N4D and ECD-N4B
- ATEX Certificate # ITS07ATEX15639U

Standard Materials:

- ECD11, ECD15, ECD281, ECD284, ECD384, ECD385 – stainless steel
- ECD13 – stainless steel with aluminum cap
- ECD16, ECD-N4D, ECD-N4B – stainless steel
- ECD387 – stainless steel
- ECD18 – stainless steel with neoprene tube

Size Ranges:

- 1/4" to 1/2"

Breather



Drain

Typical installation of drain and breather in a combination motor starter

- At least 5 full threads of drain or breather must be engaged in matching female thread, taper-tapped in accordance with NEMA/EEMAC Standard FB-1, Type NTC or National Bureau of Standards Handbook H28, Part II, Table 7.6.
- These breathers and drains can be factory installed on various explosion-proof equipment. See options on applicable equipment pages for suffixes to be used.



ECD11



ECD13



ECD15



ECD16



ECD18

Ordering Information ECD "Type 4X" Drain and Breather

Size	Drain Cat. #	Breather Cat. #
3/8"	ECD38 N4D	ECD38 N4B
1/2"	ECD1 N4D	ECD1 N4B

ECD "Standard" Drain and Breather

Size	Drain Cat. #	Breather Cat. #
1/4"	ECD281	
3/8"	ECD387	
1/2"	ECD11	ECD13

ECD "Universal" Drain or Breather

Size	Cat. #
1/4"	ECD284†
3/8"	ECD384†
3/8"	ECD385
1/2"	ECD15
1/2"	ECD16

†Shorter overall length than ECD15 and ECD385. For use in confined spaces such as panelboard assemblies.

ECD "Combination" Drain or Breather

Size	Cat. #
1/2"	ECD18

6E Enclosure Accessories - Drains and Breathers

CD Series / ACD NEMA 4X Series

Applications:

CD Series drains are for use in conduit systems to:

- Drain accumulated condensate.
- Provide ventilation to minimize condensation.

Drains are installed in hubs or drilled and tapped openings.

Certifications and Compliances:

- UL Standard 514B

Standard Materials:

- CD bodies and nuts – steel or aluminum
- CD screen – stainless steel

Standard Finishes:

- Steel – electrogalvanized with chromate treatment.

Options:

Description	Suffix
Copper-free aluminum construction	SA



Ordering Information

Size	Cat. #
1/2	CD1
3/4	CD2

ACD Series NEMA 4X Breather/Drain

ATEX and CENELEC Range

I M2 II 2GD, E Exe I & II
(Stainless Steel & Brass only)
II 2GD, E Exe II (Nylon version)
CSA Cl. I, Div. 2, Groups
A, B, C, D, Exe II

Enclosure Type 4X
IP66

6E

Applications:

- For use in enclosures to provide a method to effectively drain moisture while allowing the enclosure to breathe.

Features:

All NEMA 4X breather/drains offer:

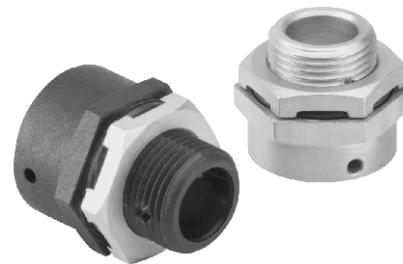
- Castellated locknuts that allow moisture to pass between the enclosure and the locknut to the drain holes in the fitting.
- Available in brass, stainless steel (Type 316) or 30% glass filled nylon.
- Captive "O" ring on recess of the face of the breather/drain to optimize ingress protection.
- ATEX and CSA Certified for worldwide market acceptance.
- Available with metric or NPT threads.

Certifications and Compliances:

- SIRA 99 ATEX 3050U
- I M2 II 2GD, E Exe I & II (Stainless Steel & Brass only)
- II 2GD, E Exe II (Nylon only)
- CSA Class I, Division 2, Groups A, B, C & D, Exe II
- Enclosure Type 4X
- IP66

Operating Temperature:

- -50°C to +85°C



Ordering Information

Entry Method	Material	Cat. #
M20	Brass	ACDPB/M20/15
M20	Stainless Steel	ACDPES/M20/15
M20	Nylon	ACDPEN/M20/15
M25	Brass	ACDPB/M25/15
M25	Stainless Steel	ACDPES/M25/15
M25	Nylon	ACDPEN/M25/15
1/2"	Brass	ACDPB/050NPT/15
1/2"	Stainless Steel	ACDPES/050NPT/15
3/4"	Brass	ACDPB/075NPT/15
3/4"	Stainless Steel	ACDPES/075NPT/15

Applications:

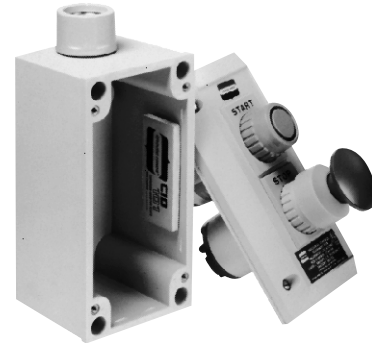
CID 101 vapor phase corrosion inhibitor devices are utilized:

- During use, storage, and shipment of products to provide long-term protection for:
 - Interiors of conduit outlet bodies and boxes, junction boxes, panelboards, and enclosures for motor control and circuit breakers, control stations, instrumentation, and switches interiors of level sensors, speed responsive switches, and various monitoring/alarm systems interiors of pipes, conduits, and wireways electrical and electronic controls and components
- Within enclosures, indoors, or outdoors at petroleum refineries, chemical and petrochemical plants, food processing plants, and various other process industry facilities where airborne corrosion presents problems
- In onshore and offshore marine environments to protect against salt spray and excessive humidity condensation

Features:

Provide widespread protection for ferrous and nonferrous metals including steel, copper, aluminum, brass, solder, silver, etc.

- Particularly well-suited for protection of electrical and electronic equipment because the vapors emitted do not change the characteristics of metals they are protecting – not chemically, electrically, or metallurgically. Contact resistance, conductivity, or other properties of sensitive electrical/electronic equipment is unaffected
- Extend life of product and minimize downtime from product failures caused by corrosive attack. Early corrosion symptoms can be avoided before visible signs appear (i.e., electrical shorts, intermittent operation, apparent poor connections, evidences of increased friction, visible dulling of metallic finishes, higher noise levels of moving parts, increased heat generation, etc.)
- Under normal usage, provide continuous protection of one cubic foot of enclosed space against corrosion for up to two years. Actual operating life expectancy may vary depending on the corrosive atmosphere, temperature, or air movement. For severe exposures at high temperatures use double the normal amount of CID 101
- Quickly and easily installed without need for tools, or requiring special surface preparation, oiling, spraying, or dipping. The device is simply removed from its plastic bag and affixed into position through use of a pressure-sensitive adhesive. A convenient to use label is provided as a reminder to note the date of installation and when its replacement should be scheduled
- Safe to use. Vapors released are regarded as non-toxic under use conditions; and the polyurethane foam material is flame-retardant



Packaging/Storage:

- CID 101 Corrosion Inhibitor Devices are individually packaged in sealed plastic bags to ensure their maximum corrosion protection value at time of installation
- Recommended storage is in the sealed plastic bags as supplied. Ideal ambient storage temperatures should not exceed 30°C (86°F). Shelf life under normal conditions is 1 year. Continuous service temperatures in excess of 150°F (65°C) should be avoided
- CID 101 Corrosion Inhibitor Devices are shipped in standard cartons of 50 units† each. Carton shipping weight is .7 lbs

Certifications and Compliances:

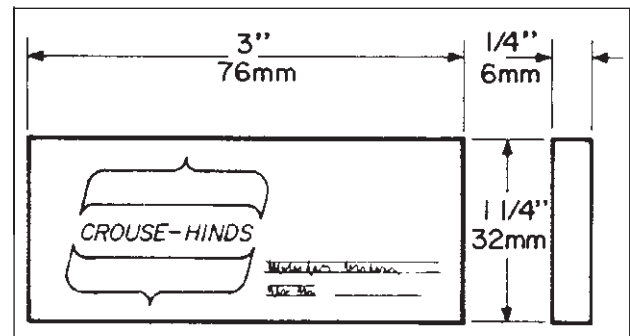
- Food and Drug Administration conformance. CFR Title 21 178.3300

Ordering Information

Description	Cat. #
Vapor Phase Corrosion Inhibitor Device	CID101†

Dimensions

In Inches:

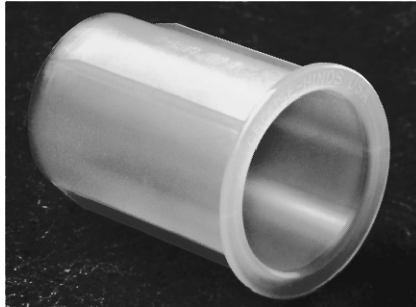


†Order quantity of one (1) equals one standard carton of 50 units.

Applications:

LNR conduit liners are installed in rigid metal conduit or IMC:

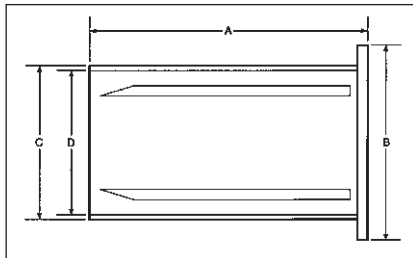
- To provide a smooth wire entry from conduit into enclosures to protect wires from abrasion as they are pulled
- With thin wall or thick wall enclosures
- Entering drilled and tapped openings or slip holes
- Entering an enclosure vertically or horizontally
- Regardless of where the conduit ends in relation to the enclosure wall



Features:

- UL listed and CSA certified
- No need for threaded bushings, reducers, or special machining
- Corrosion and heat resistant polypropylene material
- Smooth flange providing easy wire pulling and protects conductors being installed
- Space saving
- Molded ribs ensure a tight fit, preventing the liner from sliding out while conductors are being pulled
- Quick and easy to install

**Dimensions
In Inches:**



Cat. #	Size	A	B	C	D
LNR1	1/2"	1 3/16"	7/8"	5/8"	9/16"
LNR2	3/4"	1 9/16"	1 1/8"	13/16"	3/4"
LNR3	1"	2 1/16"	1 3/8"	1 1/16"	7/8"
LNR4	1 1/4"	2 7/16"	1 3/4"	1 3/8"	1 1/4"
LNR5	1 1/2"	2 9/16"	2"	1 5/8"	1 7/16"
LNR6	2"	2 9/16"	2 7/16"	2 1/16"	1 7/8"
LNR7	2 1/2"	2 7/8"	2 7/16"	2 1/4"	
LNR8	3"	2 7/8"	3 9/16"	3 1/16"	2 7/8"
LNR9	3 1/2"	3 1/16"	4 1/16"	3 9/16"	3 3/8"
LNR10	4"	3 1/16"	4 9/16"	4"	3 7/8"

**Certifications and
Compliances:**

- UL Standard 514B
- CSA Standard C22.2 No. 18
- U.S. Patent No. 5,383,688

Standard Materials:

- Polypropylene

Standard Finishes:

- Natural (clear)

Sizes:

- 1/2" through 4"