

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 |
|---|-----------|
| • Copper-free aluminum bodies and covers (GUB01, GUB02, GUB03, GUB06 only)..... | SA |
| • ATEX certified (GUB01 SA, GUB02 SA, GUB03 SA, GUB06 SA only)..... | SA ATEX†† |
| • Factory installed mounting plate for relays, terminal blocks, electrical devices, etc | MP |
| • Factory installed terminal blocks. Information on request | |

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"
 9⁹/₈" 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"
 9⁹/₈" 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 860.

*NEMA 4 not available on GUB01110 and GUB15151.

†Order suffix SA ATEX. GUB01110 and GUB15151 are rated IP54.

††Please consult Modified Products for conduit entry arrangement options.

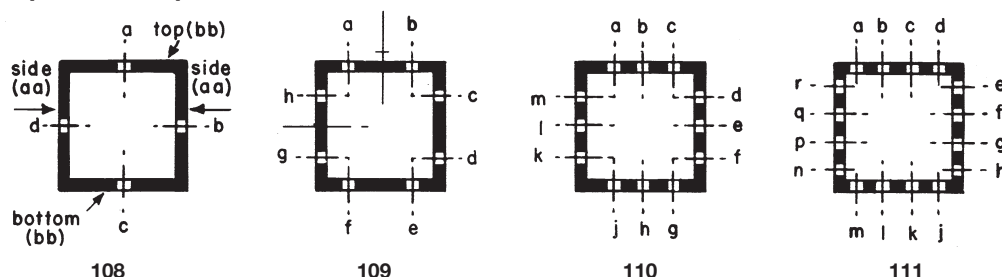
‡Dimensions provided are external.

§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 | O |

*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 860.

For ATEX, please consult Modified Products for conduit entry arrangement options.

Crouse-Hinds

by E.T.N

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