3F Condulet® Conduit Bodies and Outlet Boxes

Application and Selection

Applications:

Hazardous area conduit bodies and outlet boxes are installed in rigid conduit systems in Class I and II hazardous locations to:

- Protect conductors
- Act as pull and splice boxes
- Connect lengths of conduit
- Change conduit direction
- Provide access to conductors for maintenance and future system changes
- Act as mounting outlets for fixtures (with appropriate covers)
- Act as sealing fittings (with appropriate covers)

Options and Accessories:

- Flat blank covers (surface and flanged flush), fixture support and sealing covers and extensions are available. See specific product listing for details.
- Lubricant (STL and HTL) are available to make joints raintight, provide for easy cover removal and to lubricate shafts over a wide temperature range.
- *Corro-free*™ epoxy powder coat – information available on request.

Considerations for Selection:

- Determine the area classification per National Electrical Code Hazardous Area Groups. Based on this classification, select the product families that are acceptable for use in the particular location.:
- Establish functional physical requirements these will help to determine box size, cover, shape and mounting for the particular installation.
- Each product family has features suitable for specific functions:
- i.e., boxes used as mountings for lighting fixtures are generally of a small size, and provided with mounting lugs when required to support lighting fixtures.
- Boxes used for wire pulling should generally be larger to provide room for easy pulling.
- Boxes used to splice and/or tap conductors should be large enough to permit ease of work and sufficient room for the required size and number of conductors.
- Hub size and configuration – dependent on the conduit system configuration and the conduit size used.
- Material and finish – determine from environmental conditions (corrosive fumes, weather, buried in concrete, etc.)

Quick Selector Chart

Series	NEC Class I & II Groups	IEC Certifications	Normal Function	Cover Opening Diameter	Hub Size†	Cover Type
GUA	C, D E, F, G		Mtg. ltg. fixt., taps, pulling, splicing	2–5	½-2	Threaded
EAJ	A, B, C, D E, F, G		Pulling, splicing, taps	3 3/16 & 5	½-2	Threaded
C30 / C31		Ex II 2 G EEx d IIC T6 Ex II 2 D IP66 T 85ºC	Pulling, splicing, taps	98mm (C30) 130mm (C31)	½-1	Threaded
EAB	A, B, C, D E, F, G		Pulling, splicing, taps	3	½-1	Threaded
EAB ATEX	A, B, C, D E, F, G	II 2 G EEx d IIC T5 PTB 05 ATEX 1052	Pulling, splicing, taps	3¾	½-1	Threaded
CPS	C, D E, F, G		Fixt. support, pulling, splicing	3½	½ & ¾	Ground joint
OE	C, D E, F, G		Pulling		½-1	Ground joint
ET	C, D E, F, G		Stub up		½-1	
FT		Flameproof, Exd, IIB, IP67, Zone 1 Combustible Dust Zone 21 & 22	Stub up		20mm - 25mm	Threaded
LBY	C, D E, F, G		Pulling		½ – 1¼	Threaded
LBH	B, C, D E, F, G		Pulling		½-4	Ground joint
FE		Flameproof, Exd, IIB, IP67, Zone 1 Combustible Dust Zone 21 & 22	Pulling		20mm - 25mm	Threaded
EKC	C, D E, F, G		Pulling		½-3	Ground joint
GUR	C, D E, F, G		Pulling, splicing		½-1	Threaded

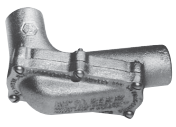
†See following table for standard hub configuration.

Condulet® Conduit Bodies and Outlet Boxes

Standard Shape and Hub Selector

Shape Series	Page	Hub Style GUA	GUAB	GUAC	GUAD	GUAL	GUAM	GUAN	GUAT	GUAW	GUAX	
 GUA	see pages 50–52											
 EAB	see page 54			**EABC**		**EABL**			**EABT**		**EABX**	**EABY**
 C30 / C31	see page 57								**C30 / C31**		**C30 / C31**	
 EAJ	see page 56		**EAJB**	**EAJC**	**EAJD**	**EAJL**			**EAJT**		**EAJX**	
 CPS	see page 58											**CPS**
 GUR	see page 53											**GUR**
 OE	see page 59		**OELB**	**OEC**		**OELL**		**OELR**	**OET**			

The fittings below are available only in the configurations shown.



LBH see page 61

LBY see page 61

FE see page 62

EKC see page 60

ET see page 61

FT see page 62

3F Condulet® Conduit Outlet Boxes With Covers

GUA Series

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, 7CD, 9EFG

Explosionproof
Dust-Ignitionproof
Raintight
Wet Locations

Applications:

GUA series conduit outlet boxes are installed within hazardous area conduit systems to:

- Protect conductors in threaded rigid conduit
- Act as pull and splice boxes
- Connect lengths of conduit
- Change conduit direction
- Provide access to conductors for maintenance and future system changes
- Act as mounting outlets for fixtures (with appropriate covers)
- Act as sealing fittings (with appropriate covers)

Features:

GUA conduit boxes have:

- Neoprene "O" ring standard to meet NEMA 4 requirements
- Cast ears on cover to permit easy removal and tightening
- Four standard mounting pads except for boxes with bottom hubs
- Threaded cover openings
- Ten different hub arrangements
- Taper threaded hubs to provide grounding continuity
- Smooth integral hub bushing protects conductor insulation when pulling
- Surface covers furnished with boxes
- Sealing covers, dome covers, and fixture hanger covers are available
- Cover threads are 12 pitch

Certifications and Compliances:

- NEC/CEC:
  - 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
- ANSI Standard: C33.27
- CSA Standard: C22.2 No. 30
- NEMA/EEMAC 3, 4

Standard Materials:

- Bodies – *Feraloy* iron alloy
- Covers – Copper-free aluminum

Standard Finishes:

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

Size Ranges:

- Hub – ½" to 2"
- Cover opening – 2" to 5" dia.

Options:

Description	Suffix
Bodies – copper-free aluminum	SA†*
Covers – *Feraloy* iron alloy – electrogalvanized and aluminum acrylic paint	WOD
GUA Form 6 (with 3" cover opening) are available with optional cover with viewing window.	VW
Corro-free epoxy powder coat	S752

To order box less cover add "0" to end of catalog number ie.GUAT260.

When assembled with sealing type cover, GUA series outlet boxes provide adequate sealing for 40% fill in hazardous areas – Class I, Groups C, D; Class II, Groups E, F, G; and Class III. Seals can be made in either horizontal or vertical positions. Use *Chico*® "A" sealing compound or *Chico*® SpeedSeal only. Conductor splices or connections must not be made in enclosures where sealing compound is to be used per NEC.

GUA

Hub Size	Cover Opening Dia.	Cat. #
½	2	**GUA14**
¾	2	**GUA24**
½	3	**GUA16**
¾	3	**GUA26***
1	3	**GUA36**
1¼	3⅝	**GUA47**
1½	5	**GUA59**

GUAC

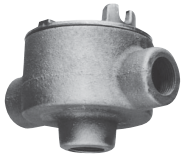
Hub Size	Cover Opening Dia.	Cat. #
½	2	**GUAC14†**
¾	2	**GUAC24†**
½	3	**GUAC16***
¾	3	**GUAC26***
1	3	**GUAC36***
1¼	3⅝	**GUAC47†**
1¼	5	**GUAC49**
1½	5	**GUAC59†**
2	5	**GUAC69†**

†Available in copper-free aluminum, add suffix -SA.
*Available in copper-free aluminum, add suffix -SA. GUA outlet boxes marked with * when ordered with suffix -SA are listed for Class I, Division 1 & 2, Groups B, C and D, Class II, Division 1, Groups E, F, G and Class III. Covers have 16 pitch threads. Replacement cover is a GUA06-GB.

GUAB

Hub Size	Cover Opening Dia.	Cat. #
½	2	**GUAB14†**
¾	2	**GUAB24**
½	3	**GUAB16***
¾	3	**GUAB26***
1	3	**GUAB36***
1¼	3⅝	**GUAB47†**
1½	5	**GUAB59†**
2	5	**GUAB69†**

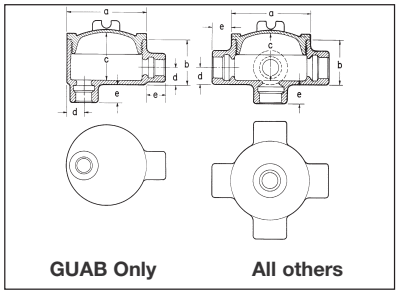
GUAD



Hub Size	Cover Opening Dia.	Cat. #
½	2	**GUAD14†**
¾	2	**GUAD24**
½	3	**GUAD16**
¾	3	**GUAD26†**
1	3	**GUAD36†**
1¼	5	**GUAD49**

Dimensions

In Inches:



GUAB Only **All others**

GUA, GUAD, GUAM, GUAW, GUAX

Cat. #	a	b	c	d
14	2½	1 13/16	1¾	⅝
24	2½	2	2	¾
16	3½	2	1⅞	⅝
26	3½	2	1⅞	¾
36	3½	2 5/16	2 3/16	⅞
37	4¼	2 5/16	2⅜	⅞
47	4¼	2 11/16	2¾	1 3/32
49	5¾	3 13/16	3¾	1 3/32
59	5¾	3 13/16	3¾	1 9/32
69	5¾	4 1/16	4	1 9/16

Length of Hub Hub Size	Dimension "e" Length
½ - ¾	⅞
1 – 1¼	1
1½ – 2	1 1/16

Crouse-Hinds by EATON