

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	3⅞ & 5	½-2	Threaded
C30 / C31		Ex II 2 G EEx d IIC T6 Ex II 2 D IP66 T 85°C	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

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Standard Shape and Hub Selector

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

Crouse-Hinds
by **F.T.N**

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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

3F

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 – 1/2" to 2"
- Cover opening – 2" to 5" dia.

Options:

Description

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

Suffix
SA†*

WOD

VW
S752

GUA



Hub Size	Cover Opening Dia.	Cat. #
1/2	2	GUA14
3/4	2	GUA24
1/2	3	GUA16
3/4	3	GUA26*
1	3	GUA36
1 1/4	3 3/8	GUA47
1 1/2	5	GUA59

GUAC



Hub Size	Cover Opening Dia.	Cat. #
1/2	2	GUAC14†
3/4	2	GUAC24†
1/2	3	GUAC16*
3/4	3	GUAC26*
1	3	GUAC36*
1 1/4	3 3/8	GUAC47†
1 1/4	5	GUAC49
1 1/2	5	GUAC59†
2	5	GUAC69†

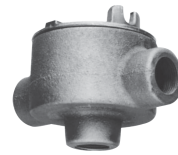
†Available in copper-free aluminum, add suffix -SA.
 *Available in copper-free aluminum, add suffix -SA. GUA outlet boxes marked with * when ordered with suffix -SA are listed for Class I, Division 1 & 2, Groups B, C and D, Class II, Division 1, Groups E, F, G and Class III. Covers have 16 pitch threads.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

GUAB



Hub Size	Cover Opening Dia.	Cat. #
1/2	2	GUAB14†
3/4	2	GUAB24
1/2	3	GUAB16*
3/4	3	GUAB26*
1	3	GUAB36*
1 1/4	3 3/8	GUAB47†
1 1/2	5	GUAB59†
2	5	GUAB69†

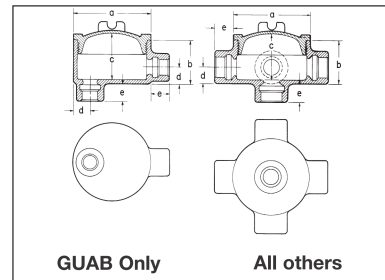
GUAD



Hub Size	Cover Opening Dia.	Cat. #
1/2	2	GUAD14†
3/4	2	GUAD24
1/2	3	GUAD16
3/4	3	GUAD26†
1	3	GUAD36†
1 1/4	5	GUAD49

Dimensions

In Inches:



GUA, GUAD, GUAM, GUAW, GUAX

Cat. #	a	b	c	d
14	2 1/2	1 13/16	1 3/4	5/8
24	2 1/2	2	2	3/4
16	3 1/2	2	1 7/8	5/8
26	3 1/2	2	1 7/8	3/4
36	3 1/2	2 5/16	2 3/16	7/8
37	4 1/4	2 5/16	2 3/8	7/8
47	4 1/4	2 11/16	2 3/4	1 3/32
49	5 3/4	3 13/16	3 3/4	1 3/32
59	5 3/4	3 13/16	3 3/4	1 3/32
69	5 3/4	4 1/16	4	1 9/16

Length of Hub Hub Size	Dimension "e" Length
1/2 - 3/4	7/8
1 - 1 1/4	1
1 1/2 - 2	1 1/16

Crouse-Hinds
 by **EATON**

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

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GUAL



Hub Size	Cover Opening Dia.	Cat. #
1/2	2	GUAL14†
3/4	2	GUAL24†
1/2	3	GUAL16*
3/4	3	GUAL26*†
1	3	GUAL36*
1 1/4	3 3/8	GUAL47†
1 1/4	5	GUAL49†
1 1/2	5	GUAL59†
2	5	GUAL69†

GUAN



Hub Size	Cover Opening Dia.	Cat. #
1/2	2	GUAN14
3/4	2	GUAN24
1/2	3	GUAN16
3/4	3	GUAN26
1	3	GUAN36†
1 1/4	3 3/8	GUAN47
1 1/2	5	GUAN59†
2	5	GUAN69

GUAT



Hub Size	Cover Opening Dia.	Cat. #
1/2	2	GUAT14†
3/4	2	GUAT24†
1/2	3	GUAT16*
3/4	3	GUAT26*
1	3	GUAT36*
1	3 3/8	GUAT37
1 1/4	3 3/8	GUAT47†
1 1/4	5	GUAT49†
1 1/2	5	GUAT59†
2	5	GUAT69†

GUAX



Hub Size	Cover Opening Dia.	Cat. #
1/2	2	GUAX14†
3/4	2	GUAX24†
1/2	3	GUAX16*
3/4	3	GUAX26*
1	3	GUAX36*
1	3 3/8	GUAX37†
1 1/4	3 3/8	GUAX47†
1 1/4	5	GUAX49
1 1/2	5	GUAX59†
2	5	GUAX69†

GUAM



Hub Size	Cover Opening Dia.	Cat. #
1/2	2	GUAM14†
3/4	2	GUAM24
1/2	3	GUAM16
3/4	3	GUAM26
1	3	GUAM36
1 1/4	3 3/8	GUAM47
2	5	GUAM69

GUAW



Hub Size	Cover Opening Dia.	Cat. #
1/2	2	GUAW14†
3/4	2	GUAW24†
1/2	3	GUAW16
3/4	3	GUAW26*†

Dimensions GUAC, GUAT

Cat. #	a	b	c	d
14	2 1/2	2 1/4	2 3/16	5/8
24	2 1/2	2	2	3/4
16	3 1/2	2	1 7/8	5/8
26	3 1/2	2	1 7/8	3/4
36	3 1/2	2 5/16	2 3/16	7/8
37	4 1/4	2 5/16	2 3/8	7/8
47	4 1/4	2 11/16	2 3/4	1 3/32
49	5 3/4	3 3/16	3 3/4	1 7/32
59	5 3/4	3 3/16	3 3/4	1 7/32
69	5 3/4	4 1/16	4	1 9/16

GUAN

Cat. #	a	b	c	d
14	2 1/2	2 1/8	2 1/16	5/8
24	2 1/2	2 3/16	2 1/4	3/4
16	3 1/2	2	1 7/8	3/4
26	3 1/2	2	1 7/8	3/4
36	3 1/2	2 5/16	2 3/8	7/8
47	4 1/4	2 11/16	2 3/4	1 3/32
59	5 3/4	4 1/16	4	1 7/32
69	5 3/4	4 1/16	4	1 9/16

GUAB, GUAL

Cat. #	a	b	c	d
14	2 1/2	2 1/4	2 3/16	5/8
24	2 1/2	2 1/2	2 7/16	3/4
16	3 1/2	2	1 7/8	5/8
26	3 1/2	2	1 7/8	3/4
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47	4 1/4	2 11/16	2 3/4	1 3/32
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Crouse-Hinds

by **F.T.M.**

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