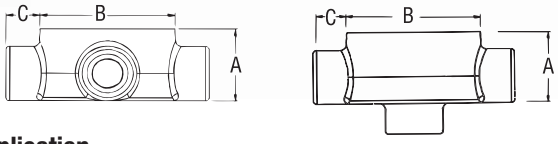
Conduit Outlet Boxes Explosion-Proof, Dust-Ignition-Proof

GUA Conduit Outlet Boxes

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

NEMA 3, 4, 7 CD, 9 EFG

Explosion-Proof
Dust-Ignition-Proof
Raintight
Wet Locations



Application

GUA boxes can be used for hazardous location conduit runs for the following:

- Allows for mounting of fixture outlets (when used with appropriate covers)
- Provides easy access to wiring
- Provides junction in conduit for wire pulling and splices
- Changes direction in rigid conduit systems
- Attaches two or more pieces of conduit in long runs
- Guards against damage to wires in rigid conduit

GUA

Features

- All hubs have a minimum of five full threads and integral bushing
- All boxes are furnished with internal grounding screw
- Cover supplied with O-ring gasket

GUAB

Size Range

- ½" NPT to 2" NPT
- Access opening 2" to 5" diameter

Materials

- Bodies: Grade 60-45-10 Ductile Iron (Complies with ASTM standard A536)
- Covers: Die cast aluminum

GUAC

Finish

- Boxes: Zinc-plated with aluminum acrylic paint
- Covers: Natural

Listing Certifications

- UL514A (wet locations when used with gasketed covers)
- UL886
- CSA: C22.2 No. 30

GUAD

GUA

CAT. NO.	HUB SIZE	DIMENSIONS (INCHES) A	B	C	D	THROAT DIA. MIN.	MAX.	CUBIC IN. CAPACITY
GUA14-TB	½	1 3/16	2½	⅞	1 1/16	.570	.610	5.5
GUA16-TB	½	2	3 ½	⅞	2	.570	.610	13.5
GUA24-TB	¾	2	2 ½	⅞	1 ⅞	.755	.810	5.3
GUA26-TB	¾	2	3 ½	⅞	2	.755	.810	13.3
GUA36-TB	1	2 5/16	3 ½	⅞	2 5/16	.935	1.035	16.2
GUA47-TB	1¼	2 1/16	4⅜	1	2 23/32	1.260	1.360	29
GUA59-TB	1 ½	3 3/16	5¾	1 1/16	3 51/64	1.470	1.590	70

GUAB

CAT. NO.	HUB SIZE	DIMENSIONS (INCHES) A	B	C	D	THROAT DIA. MIN.	MAX.	CUBIC IN. CAPACITY
GUAB14-TB	½	2¼	2 ½	⅞	2 7/64	.570	.610	6.9
GUAB16-TB	½	2	3 ½	⅞	2	.570	.610	13.5
GUAB24-TB	¾	2 ½	2 ½	⅞	2⅜	.755	.810	7.9
GUAB26-TB	¾	2	3 ½	⅞	2	.755	.810	13.5
GUAB36-TB	1	2 5/16	3 ½	1	2 15/16	.935	1.035	15.4
GUAB47-TB	1¼	2 1/16	4⅜	1	2 23/32	1.260	1.360	27.5
GUAB59-TB	1 ½	3 3/16	5 ¾	1 1/16	3 51/64	1.470	1.590	73.6
GUAB69-TB	2	4 1/16	5 ¾	1 1/16	4 3/64	1.880	2.047	80
GUAB79-TB	2 ½	4 1/16	5 ¾	1⅛	4 3/64	2.320	2.380	98

GUAC

CAT. NO.	HUB SIZE	DIMENSIONS (INCHES) A	B	C	D	THROAT DIA. MIN.	MAX.	CUBIC IN. CAPACITY
GUAC14-TB	½	2¼	2½	⅞	2 7/64	.570	.610	6.8
GUAC16-TB	½	2	3½	⅞	2	.570	.610	13.1
GUAC24-TB	¾	2	2½	⅞	1⅛	.755	.810	5.3
GUAC26-TB	¾	2	3½	⅞	2	.755	.810	13.3
GUAC36-TB	1	2 5/16	3½	⅞	2 5/16	.935	1.035	16.2
GUAC47-TB	1¼	2 1/16	4⅜	1	2 23/32	1.260	1.360	29.3
GUAC49-TB	1¼	3 3/16	5¾	1	3 3/16	1.260	1.360	73.6
GUAC59-TB	1½	3 3/16	5¾	1 1/16	3 3/16	1.470	1.590	74
GUAC69-TB	2	4 1/16	5¾	1 1/16	4 3/64	1.880	2.047	77.8

GUAD

CAT. NO.	HUB SIZE	DIMENSIONS (INCHES) A	B	C	D	THROAT DIA. MIN.	MAX.	CUBIC IN. CAPACITY
GUAD14-TB	½	1 3/16	2½	⅞	1 1/16	.570	.610	5.6
GUAD16-TB	½	2	3½	⅞	2	.570	.610	12.5
GUAD24-TB	¾	2	2½	⅞	1⅞	.755	.810	5.2
GUAD26-TB	¾	2	3½	⅞	2	.755	.810	13.1
GUAD36-TB	1	2 5/16	3½	⅞	2 5/16	.935	1.035	16
GUAD49-TB	1¼	3 3/16	5¾	1	3 3/16	1.260	1.360	76

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Conduit Outlet Boxes Explosion-Proof, Dust-Ignition-Proof

GUA Conduit Outlet Boxes (continued)

Cl.I, Div. 1 & 2, Groups C, D
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Cl.III, Div. 1 & 2
NEMA 3, 4, 7 CD, 9 EFG

Explosionproof
Dust-Ignitionproof
Raintight
Wet Locations


GUAL


GUAT


GUAW


GUAN


GUAM


GUAX

GUA Conduit Device Box Replacement Covers

CAT. NO.	OPENING DIA.
GUA04-TB	2
GUA06-TB	3
GUA07-TB	3e
GUA09-TB	5

GUAL

CAT. NO.	HUB SIZE	DIMENSIONS (INCHES) A	B	C	D	THROAT DIA. MIN.	MAX.	CUBIC IN. CAPACITY
GUAL14-TB	½	2¼	2½	⅞	2 3/64	.570	.610	7.1
GUAL16-TB	½	2	3½	⅞	2	.570	.610	13.4
GUAL24-TB	¾	2	2½	⅞	1⅞	.755	.810	5.3
GUAL26-TB	¾	2	3½	⅞	2	.755	.810	13.3
GUAL36-TB	1	2 5/16	3½	⅞	2 5/16	.935	1.035	16.2
GUAL47-TB	1¼	2 1/16	4⅜	1	2 23/32	1.260	1.360	30
GUAL49-TB	1¼	3 13/16	5¾	1	3 51/64	1.260	1.360	74.5
GUAL59-TB	1½	3 13/16	5¾	1 1/16	3 51/64	1.470	1.590	74
GUAL69-TB	2	4 1/16	5¾	1 1/16	4 3/64	1.880	2.047	77.8

GUAT

CAT. NO.	HUB SIZE	DIMENSIONS (INCHES) A	B	C	D	THROAT DIA. MIN.	MAX.	CUBIC IN. CAPACITY
GUAT14-TB	½	2¼	2½	⅞	2 3/64	.570	.610	7
GUAT16-TB	½	2	3½	⅞	2	.570	.610	13.5
GUAT24-TB	¾	2	2½	⅞	1⅞	.755	.810	5.3
GUAT26-TB	¾	2	3½	⅞	2	.755	.810	13.3
GUAT36-TB	1	2 5/16	3½	1	2 5/16	.935	1.035	15.9
GUAT37-TB	1	2 5/16	3½	⅞	2 5/16	.935	1.035	23.3
GUAT47-TB	1¼	2 1/16	4⅜	1	2 23/32	1.260	1.360	29.3
GUAT49-TB	1¼	3 13/16	5¾	1	3 51/64	1.260	1.360	77.2
GUAT59-TB	1½	3 13/16	5¾	1 1/16	3 51/64	1.470	1.590	77.7
GUAT69-TB	2	4 1/16	5¾	1 1/16	3 51/64	1.880	2.047	77.8
GUAT79-TB	2½	4 1/16	5¾	1 1/16	4 3/64	2.320	2.380	95

GUAM

CAT. NO.	HUB SIZE	DIMENSIONS (INCHES) A	B	C	D	THROAT DIA. MIN.	MAX.	CUBIC IN. CAPACITY
GUAM14-TB	½	1 13/16	2½	⅞	1 1/16	.570	.610	5.6
GUAM16-TB	½	2	3½	⅞	2	.570	.610	12.5
GUAM24-TB	¾	2	2½	⅞	1⅞	.755	.810	6.2
GUAM26-TB	¾	2	3½	⅞	2	.755	.810	12.5
GUAM36-TB	1	2 5/16	3½	⅞	2 5/16	.935	1.035	14
GUAM47-TB	1¼	2 1/16	4⅜	1	2 23/32	1.260	1.360	29.2
GUAM69-TB	2	4 1/16	5¾	1 1/16	4 3/64	1.880	2.047	80

GUAW

CAT. NO.	HUB SIZE	DIMENSIONS (INCHES) A	B	C	D	THROAT DIA. MIN.	MAX.	CUBIC IN. CAPACITY
GUAW14-TB	½	1 13/16	2½	⅞	1 1/16	.570	.610	5.2
GUAW16-TB	½	2	3½	⅞	2	.570	.610	13
GUAW24-TB	¾	2	2½	⅞	1⅞	.755	.810	6.5
GUAW26-TB	¾	2	3½	⅞	2	.755	.810	13

GUAN

CAT. NO.	HUB SIZE	DIMENSIONS (INCHES) A	B	C	D	THROAT DIA. MIN.	MAX.	CUBIC IN. CAPACITY
GUAN14-TB	½	2⅛	2½	⅞	2	.570	.610	6.8
GUAN16-TB	½	2	3½	⅞	2	.570	.610	13.5
GUAN24-TB	¾	2 5/16	2½	⅞	2 3/16	.755	.810	7.7
GUAN26-TB	¾	2	3½	⅞	2	.755	.810	14
GUAN36-TB	1	2 5/16	3½	⅞	2 5/16	.935	1.035	16.9
GUAN47-TB	1¼	2 1/16	4⅜	1	2 23/32	1.260	1.360	31.5
GUAN59-TB	1½	4 1/16	5¾	1 1/16	4 3/64	1.470	1.590	84
GUAN69-TB	2	4 1/16	5¾	1 1/16	4 3/64	1.880	2.047	84

GUAX

CAT. NO.	HUB SIZE	DIMENSIONS (INCHES) A	B	C	D	THROAT DIA. MIN.	MAX.	CUBIC IN. CAPACITY
GUAX14-TB	½	1 13/16	2½	⅞	1 1/16	.570	.610	5.2
GUAX16-TB	½	2	3½	⅞	2	.570	.610	13.5
GUAX24-TB	¾	2	2½	⅞	1⅞	.755	.810	5.3
GUAX26-TB	¾	2	3½	⅞	2	.755	.810	13.3
GUAX36-TB	1	2 5/16	3½	1	2 5/16	.935	1.035	16
GUAX37-TB	1	2 5/16	3½	⅞	2 5/16	.935	1.035	23.3
GUAX47-TB	1¼	2 1/16	4⅜	1	2 3/16	1.260	1.360	30
GUAX49-TB	1¼	3 13/16	5¾	1	3 51/64	1.260	1.360	72
GUAX59-TB	1½	3 13/16	5¾	1 1/16	3 51/64	1.470	1.590	71
GUAX69-TB	2	4 1/16	5¾	1 1/16	4 3/64	1.880	2.047	77.8

Aluminum Conduit Outlet Boxes
Explosion-Proof, Dust-Ignition-Proof

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Cl.II, Div. 1, Groups E, F, G
Cl.III, Div. 1 & 2
NEMA 3, 4, 7 CD, 9 EFG

Explosion-Proof
Dust-Ignition-Proof
Raintight
Wet Locations

GAX

GAFX

GAJU

Application

- Junction for branch conduits in hazardous locations
- Accessible wiring chamber provides a convenient location to maintain or change a system, pull conductors and make splices
- Unique mounting pads and external hub design ideal for installations of OEM devices or instruments

Features/Benefits

- Copper-free* aluminum provides increased corrosion resistance
- Precision cast and machined surfaces permit safer wire pulling
- Precision NPT threaded hubs enable trouble-free field installation for rigid or IMC conduit
- Die cast construction and industrial design combine to produce a rugged protective enclosure for devices on industrial and OEM applications
- Clear UL, CSA and cubic content markings speed approval by inspectors

GASS

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Wet Locations

Aluminum Conduit Outlet Boxes
Explosion-Proof, Dust-Ignition-Proof

Standard Materials

- Die cast aluminum alloy A360 with less than .004 copper content (copper-free)

Standard Finish

- Aluminum lacquer finish

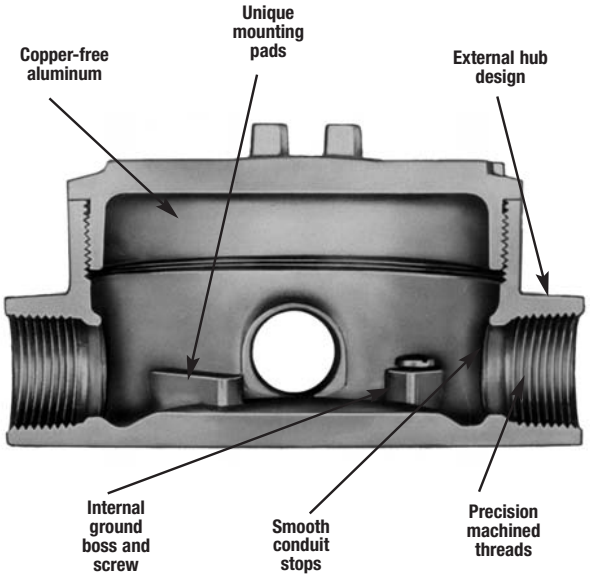
Compliances

- UL Listed
- CSA Certified
- Suitable for hazardous locations
- NEMA 4 rated when ordered with O-ring installed
- Federal Spec W-C-586

Sample Specifications

- Outlet boxes for hazardous locations shall be die cast copper- free* aluminum alloy A360 and suitable for use in Class I, Groups C, D, Class II, Groups E, F, G and Class III areas. All conduit stops shall be coined and free of rough edges. Outlet boxes for hazardous locations shall be finished with aluminum lacquer. Outlet boxes shall be Red•Dot® Catalog No. _____

Less than .004 copper content.



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Raintight
Wet Locations

External Hubs with Installed Green Ground Screw


GAC


GAL


GALB


GAT

Through Feed with Surface Cover

CAT. NO.	HUB SIZE	UNIT QTY.	STD. PKG.	WT. LBS. PER 100
• GAC-1	½"	1	5	115
• GAC-2	¾"	1	5	115
◗• GAC-3	1"	1	5	115
◗• GAC-4	1¼"	1	5	175
◗• GAC-5	1½"	1	4	247
◗• GAC-6	2"	1	4	253

L Style with Surface Cover

CAT. NO.	HUB SIZE	UNIT QTY.	STD. PKG.	WT. LBS. PER 100
◗ GAL-1	½"	1	5	115
◗ GAL-2	¾"	1	5	115
◗• GAL-3	1"	1	5	115
◗• GAL-4	1¼"	1	5	175
◗• GAL-5	1½"	1	4	247
◗• GAL-6	2"	1	4	253

LB Style with Surface Cover

CAT. NO.	HUB SIZE	UNIT QTY.	STD. PKG.	WT. LBS. PER 100
◗ GALB-1	½"	1	5	115
◗ GALB-2	¾"	1	5	115
◗ GALB-3	1"	1	5	115
◗• GALB-4	1¼"	1	5	175
◗• GALB-5	1½"	1	4	247
◗• GALB-6	2"	1	4	253

T Style with Surface Cover

CAT. NO.	HUB SIZE	UNIT QTY.	STD. PKG.	WT. LBS. PER 100
◗ GAT-1	½"	1	5	120
◗ GAT-2	¾"	1	5	120
◗ GAT-3	1"	1	5	120
◗ GAT-4	1¼"	1	5	180
◗ GAT-5	1½"	1	4	48
◗ GAT-6	2"	1	4	406

• Made to order items. Consult factory for lead time and minimum quantities.

◗ Suffix-OR: O-ring available for NEMA 4 rating. Consult factory for lead time and price.

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External Hubs with Installed Green Ground Screw

GAX

X Style with Surface Cover

CAT. NO.	HUB SIZE	UNIT QTY.	STD. PKG.	WT. LBS. PER 100
† GAX-1	½"	1	5	125
† GAX-2	¾"	1	5	125
† GAX-3	1"	1	5	125
†• GAX-4	1¼"	1	5	210
†• GAX-5	1½"	1	4	257
†• GAX-6	2"	1	4	413

GAFX

X Style with Flange and Surface Cover

CAT. NO.	HUB SIZE	UNIT QTY.	STD. PKG.	WT. LBS. PER 100
† GAFX-1	½"	1	4	135
† GAFX-2	¾"	1	4	135
† GAFX-3	1"	1	4	135

GAS

Surface Style Cover

CAT. NO.	COVER OPENING	FITS BOXES	STD. PKG.	WT. LBS. PER 100
• GAS-123	3 11/16"	½", ¾", 1"	1	36
• GAS-4	3 29/32"	1¼"	1	52
• GAS-56	5 3/16"	1½", 2"	1	69

GAD

Dome Style Cover (Class I, Group D only)

CAT. NO.	COVER OPENING	FITS BOXES	INSIDE HEIGHT	STD. PKG.	WT. LBS. PER 100
• GAD-123	3 11/16	½", ¾", 1"	2⅝"	1	71

• Made to order items. Consult factory for lead time and minimum quantities.

† Suffix-OR: O-ring available for NMEA 4 rating. Consult factory for lead time and price.

External Hubs with Installed Green Ground Screw, Covers and Plugs

GAJU

U Style with Canopy Cover

CAT. NO.	HUB SIZE	UNIT QTY.	STD. PKG.	WT. LBS. PER 100
• GAJU-1	½"	1	5	130
• GAJU-2	¾"	1	5	130
GAJU-3	1"	1	5	130
• GAJU-5	1½"		1	267
GAJU-6	2"		1	273

GAJ

Canopy Style Cover

CAT. NO.	COVER OPENING	FITS BOXES	UNIT QTY.	STD. PKG.	WT. LBS. PER 100
• GAJ-123	3 11/16"	½", ¾", 1"	1	10	44
• GAJ-4	3 29/32"	1¼"	1	5	61
• GAJ-56	5 3/16"	1½", 2"	1	5	78

• Made to order items. Consult factory for lead time and minimum quantities.

Aluminum Conduit Outlet Boxes Explosion-Proof, Dust-Ignition-Proof

Dimensions and Cubic Inches (CI)

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Cl.III, Div. 1 & 2

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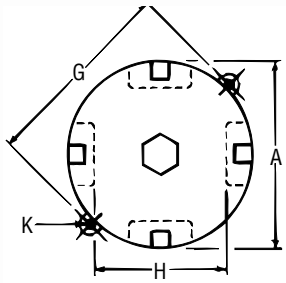
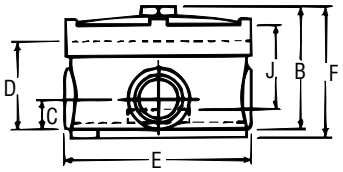
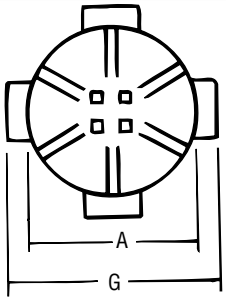
Raintight
Wet Locations

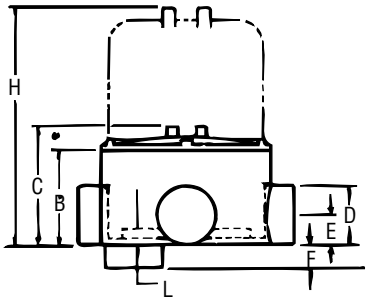


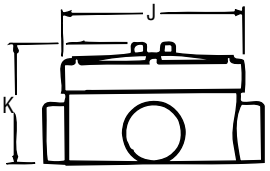


EXUN & EXUNL

HUB SIZE	A	B	C	D	E	F	G	H	J	K	CI
½"	3 31/32"	3⅛"	2 21/32"	2 1/16"	4	3⅜"	4¼"	1¼"	1 9/16"	17/64"	20.3
¾"	3 31/32"	3⅛"	2 21/32"	2 1/16"	4	3⅜"	4¼"	1¼"	1 9/16"	17/64"	20.3
1"	3 31/32"	3 5/16"	¾"	2¼"	4	3 9/16"	4¼"	1 1/16"	1 9/16"	17/64"	20.0







Dimensions of all styles when GAJ cover is used

GAC, GAL, GALB, GAT, GAX

COVER OPENING	HUB SIZE	A	B	C	D	E	F	G	H	J	K	L	CI
3 1/16"	½"	4"	2¼"	2 5/16"	1⅜"	1 1/16"	1 1/16"	5 3/16"	5 9/16"	4 3/16"	3 5/16"	9/16"	18.8
3 1/16"	¾"	4"	2¼"	2 5/16"	1⅜"	1 1/16"	1 1/16"	5 3/16"	5 9/16"	4 3/16"	3 5/16"	9/16"	18.8
3 1/16"	1"	4"	2¼"	2 5/16"	1⅝"	1 3/16"	2 7/32"	5½"	5 9/16"	4 3/16"	3 5/16"	9/16"	18.8
3 29/32"	1¼"	4 5/16"	3"	3 1/16"	2 1/16"	1 1/32"	⅞"	5 11/16"	–	4 9/16"	3 15/16"	⅝"	28.0
5 3/16"	1½"	5¾"	4¼"	5 1/16"	2⅞"	1 7/16"	⅞"	6⅝"	–	6 7/16"	5 15/32"	13/16"	69.3
5 3/16"	2"	5¾"	4¼"	5 1/16"	2⅞"	1 7/16"	⅞"	6⅝"	–	6 7/16"	5 15/32"	13/16"	69.3

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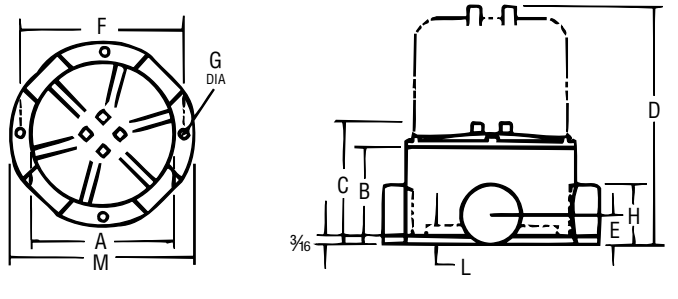
Aluminum Conduit Outlet Boxes Explosion-Proof, Dust-Ignition-Proof

Dimensions and Cubic Inches (CI)

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

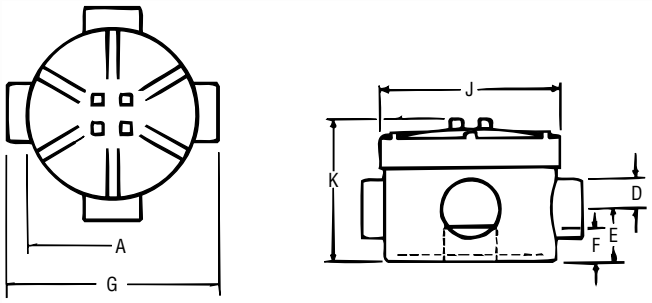
Explosion-Proof
Dust-Ignition-Proof
Raintight
Wet Locations



GAFX

COVER OPENING	HUB SIZE	A	B	C	D	E	F	G	H	L	M	CI
3 1/16"	1/2"	4"	2 1/4"	2 15/16"	5 9/16"	1 1/16"	4 1/2"	1/4"	1 3/8"	9/16"	5 3/16"	20.0
3 1/16"	3/4"	4"	2 1/4"	2 15/16"	5 9/16"	1 1/16"	4 1/2"	1/4"	1 3/8"	9/16"	5 3/16"	20.0
3 1/16"	1"	4"	2 1/4"	2 15/16"	5 9/16"	1 3/16"	4 3/4"	5/16"	1 5/8"	9/16"	5 1/2"	19.0

NOTE: All GAF units supplied as X configuration with proper number of explosion-proof close-up plugs to make C, T or L.



GAJU

COVER OPENING	HUB SIZE	A	D	E	F	G	J	K	CI
3 1/16"	1/2"	4"	13/16"	1 1/2"	31/32"	5 3/16"	4 3/16"	4"	23.8
3 1/16"	3/4"	4"	13/16"	1 1/2"	31/32"	5 3/16"	4 3/16"	4"	23.8
3 1/16"	1"	4"	13/16"	1 1/2"	31/32"	5 3/16"	4 3/16"	4"	23.8
3 29/32"	1 1/4"	4 5/16"	2 1/16"	1 13/32"	7/8"	5 11/16"	4 3/4"	3 15/16"	33.3
5 3/16"	1 1/2"	5 3/4"	1 7/16"	2 1/16"	1 1/2"	6 5/8"	6 7/16"	6 3/16"	82.8
5 3/16"	2"	5 3/4"	1 7/16"	2 1/16"	1 1/2"	6 5/8"	6 7/16"	6 3/16"	82.8

NOTE: All GA & GAF series boxes are supplied with GAS or GAJ style covers.

To order these boxes with GAD dome cover, consult factory.

Aluminum Conduit Outlet Boxes Explosion-Proof, Dust-Ignition-Proof

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

Explosion-Proof
Dust-Ignition-Proof
Raintight
Wet Locations

Application

- Junction for branch conduits in hazardous locations
- Accessible wiring chamber provides a convenient location to maintain or change a system, pull conductors and make splices
- Internal hub design ideal for installation where space is limited

Features/Benefits

- Copper-free* aluminum provides increased corrosion resistance
- Precision cast and machined surfaces permit safer wire pulling
- Precision NPT threaded hubs enable trouble-free field installation for rigid or IMC conduit
- Die cast construction and industrial design combine to produce a rugged protective enclosure for devices on industrial and OEM applications
- Clear UL, CSA and cubic content markings speed approval by inspectors

Standard Materials

- Die cast aluminum alloy A360 with less than .004 copper content (copper-free)

Standard Finish

- Aluminum lacquer finish

Compliances

- UL Listed
- CSA Certified
- Suitable for hazardous locations
- Federal Spec W-C-586

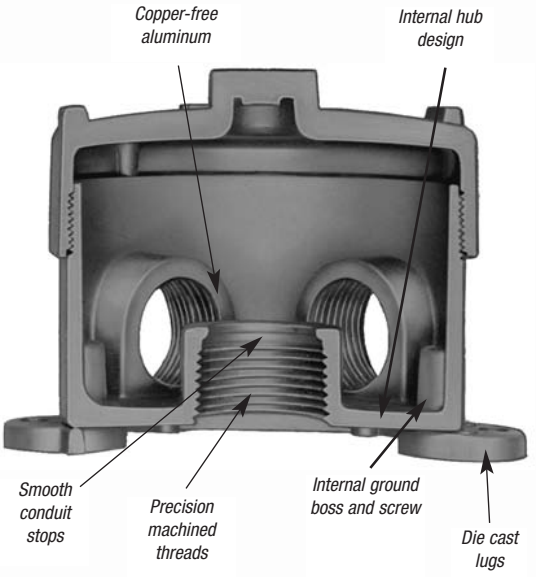
Sample Specifications

- Outlet boxes for hazardous locations shall be die cast copper-free* aluminum alloy A360 and suitable for use in Class I, Groups C, D, Class II, Groups E, F, G and Class III areas. All conduit stops shall be coined and free of rough edges. Outlet boxes for hazardous locations shall be finished with aluminum lacquer. Outlet boxes shall be Thomas & Betts Catalog No. _____

*Less than .004 copper content.

EXUN

EXUNL



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www.tnb.com

United States
Tel: 901.252.8000
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Fax: 901.252.1354

Canada
Tel: 450.347.5318
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Technical Services
Tel: 888.862.3289

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

Explosion-Proof
Dust-Ignition-Proof
Raintight
Wet Locations

Aluminum Conduit Outlet Boxes
Explosion-Proof, Dust-Ignition-Proof

EXUN-1

5 Hole Box

CAT. NO.	HUB SIZE	DESCRIPTION	UNIT QTY.	STD. PKG.	WT. LBS. PER 100
EXUN-1	½"	5 outlets	1	5	140
EXUN-2	¾"	with 3 close-up plugs	1	5	140
EXUN-3	1"	with 3 close-up plugs	1	5	140

EXUN-11

4 Hole Box

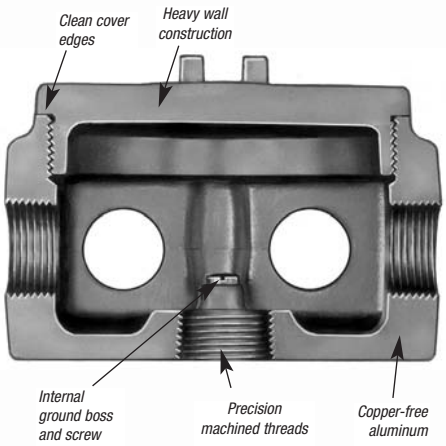
CAT. NO.	HUB SIZE	DESCRIPTION	UNIT QTY.	STD. PKG.	WT. LBS. PER 100
EXUN-11	½"	4 outlets	1	5	140
EXUN-22	¾"	with 2 close-up plugs	1	5	—

Aluminum Conduit Outlet Boxes Explosion-Proof, Dust-Ignition-Proof

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

Explosion-Proof
Dust-Ignition-Proof
Raintight
Wet Locations

GASS



Application

- Junction for branch conduits in hazardous locations
- Accessible wiring chamber provides a convenient location to maintain or change a system, pull conductors and make splices

Features/Benefits

- Copper-free* aluminum alloy provides increased corrosion resistance
- Extra wide 3¾" opening provides more hand space for easy access to the wiring chamber
- Precision cast and machined surfaces permit safer wire pulling
- Large capacity 31 cu. in. chamber provides more wiring space
- Precision NPT threaded hubs enable trouble-free field installation for rigid or IMC conduit
- Sand cast construction and industrial design combine to produce a rugged protective enclosure for devices on industrial and OEM applications
- Clear UL, CSA and cubic content markings speed approval by inspectors
- Hub spacing enables use of EXFU and EXMU unions

Standard Materials

- Box —Sand Cast aluminum alloy A356. 2-T6
- Cover — Die Cast aluminum alloy A360 with less than .004 copper content (copper-free)

Standard Finish

- Aluminum lacquer finish

Compliances

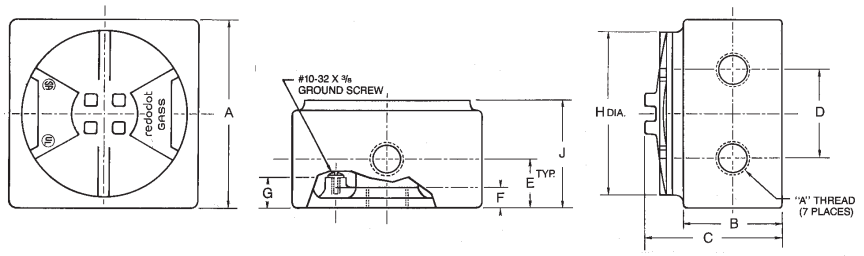
- UL Listed
- CSA Certified
- NEC

Sample Specifications

- Enclosure for hazardous locations. The box shall be cast copper-free* aluminum alloy A356.2-T6 . Suitable for use in hazardous locations: Suitable for use in Class I, Groups C, D; Class II, Groups E, F, G; and Class III areas. Enclosures shall be finished with aluminum lacquer. Outlet boxes shall be Thomas & Betts Catalog No. _____

*Less than .004 copper content.

GASS



Dimensions of all styles when GASS cover is used

COVER OPENING	HUB SIZE	A	B	C	D	E	F	G	H	J	CI
4"	½"	4⅝	2⅜	3⅜	2 3/16	1 3/16	½	¾	4	2⅝	31
4"	¾"	4⅝	2⅜	3⅜	2 3/16	1 3/16	½	¾	4	2⅝	31
4"	1"	4⅝	2⅜	3⅜	2 3/16	1 3/16	½	¾	4	2⅝	31

Internal Hubs with Installed Green Ground Screw, Cover and Plugs

CAT. NO.	HUB SIZE	UNIT QTY.	STD. PKG.	WT. LBS. PER 100
GASS-1	½"	1	5	282
GASS-2	¾"	1	5	278
GASS-3	1"	1	5	274

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

Explosion-Proof
Dust-Ignition-Proof
Raintight
Wet Locations

Aluminum Conduit Outlet Bodies
Explosion-Proof, Dust-Ignition-Proof

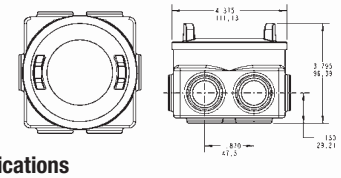
Perfect for the petrochemical industry!

GUP Explosion-Proof Enclosure

T&B has developed an innovative new solution ideally suited for gas station contractors and the petrochemical market — the GUP Explosion-Proof Enclosure. The compact design makes gas station pumps an ideal application due to space constraints. Two different configurations are available and the body is constructed of ductile iron for superior strength. Rely on T&B to deliver the best products when safety is a concern.

Features

- Compact design
- O-ring gasket standard for raintight applications
- Supplied with conduit plugs
  - — 3 plugs for GUP215-TB
  - — 7 plugs for GUP214-TB



Specifications

Materials:

Ductile iron for superior strength (Body)
Copper-free cast aluminum (A6) (Cover)
Neoprene gasket (O-Ring)

Standard Finish:

Ductile iron — Electrogalvanized and aluminum acrylic paint
Copper-free aluminum cover — Natural

Certifications:

Class I Divisions 1 & 2, Groups C, D
Class II, Divisions 1 & 2 Groups E, F, G
Class III Rated
UL886 Listed
CSA Standard C22.2

NEW!

CAT. NO.	DESCRIPTION	STD. PKG. QTY.
GUP214-TB	Junction Box — 10 Hubs (¾" NPT): 2 in top, 2 in bottom, 1 in each side, 4 in the back	1
GUP215-TB	Junction Box — 6 Hubs (¾" NPT): 2 in top, 2 in bottom, 1 in each side	1

Application

- Junction for branch conduits
- Accessible wiring chamber provides a convenient location to pull conductors and make splices

Features/Benefits

- Copper-free* aluminum provides increased corrosion resistance
- Precision cast and machined surfaces permit safer wire pulling
- Precision NPT threaded hubs enable trouble-free field installation for rigid or IMC conduit
- Deep slotted cover screws for faster installation
- Clear UL, CSA and cubic content markings speed approval by inspectors

Standard Materials

- Die cast aluminum alloy A360 with less than .004 copper content (copper-free)

Standard Finish

- Aluminum lacquer finish

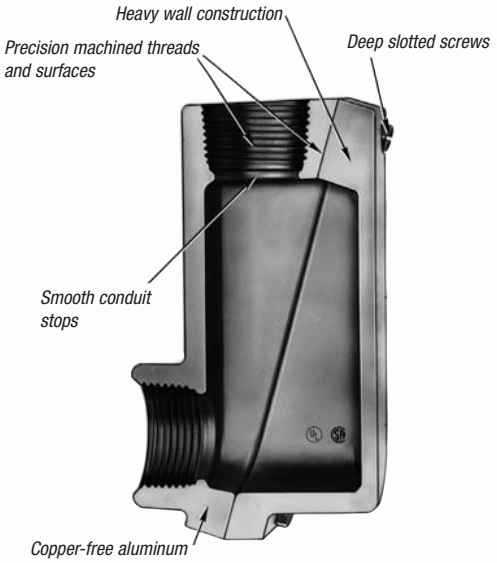
Compliances

- UL Listed
- CSA Certified
- Suitable for hazardous locations

Sample Specifications

- Conduit fittings for hazardous locations shall be die cast copper free* aluminum alloy A360. Suitable for use in hazardous locations: Class I, Groups C, D; Class II, Groups E, F, G and Class III. All conduit stops shall be coined and free of rough edges. Conduit fittings shall be finished with aluminum lacquer. Conduit fittings shall be Red•Dot® Catalog No. _____

Less than .004 copper content.



EXLB

EXT

LB Style Conduit Body — Aluminum

CAT. NO.	HUB SIZE	STD. PKG.	WT. LBS. PER 100
EXLB-1	½"	5	76
EXLB-2	¾"	5	94
EXLB-3	1"	5	132

T Style Conduit Body — Aluminum

CAT. NO.	HUB SIZE	UNIT QTY.	STD. PKG.	WT. LBS. PER 100
EXT-1	½"	5	25	92
EXT-2	¾"	5	25	115
EXT-3	1"		5	172

Conduit Outlet Bodies
Explosion-Proof, Dust-Ignition-Proof

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

Explosion-Proof
Dust-Ignition-Proof
Raintight
Wet Locations

Application

OE series are installed in conduit systems within hazardous areas to:

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

Features

OE conduit bodies have:

- Tapered threaded hubs for ground continuity
- Smooth integral hub bushings to protect conductor insulation when pulling
- Five different hub arrangements
- Accurately machined body with blind tapped screw holes
- Most compact design of all hazardous area outlet bodies
- Sizes up to 1"

Standard Materials

- Bodies: Grade 60-45-10 Ductile Iron (Complies with ASTM standard A536)

Standard Finish

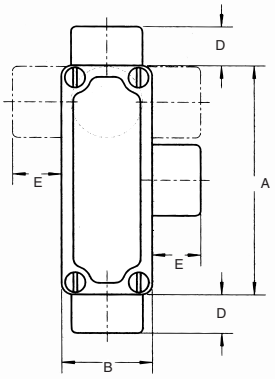
- Electrogalvanized and aluminum acrylic paint

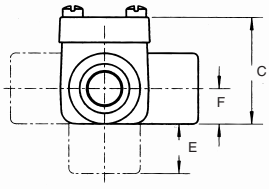
Size Ranges

- Hub — ½" and ¾"

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





OE Series — Iron Conduit Outlet Bodies

CAT. NO.	HUB SIZE	A	B	C	D	E	F
OEC1-TB	½"	4.06	1.62	1.90	0.69	0.88	0.63
OEC2-TB	¾"	4.35	1.88	2.19	0.69	0.88	0.76
OET1-TB	½"	4.06	1.62	1.90	0.69	0.88	0.63
OET2-TB	¾"	4.35	1.88	2.19	0.69	0.88	0.76
OELL1-TB	½"	4.06	1.62	1.90	0.69	0.88	0.63
OELL2-TB	¾"	4.35	1.88	2.19	0.69	0.88	0.76
OELR1-TB	½"	4.06	1.62	1.90	0.69	0.88	0.63
OELR2-TB	¾"	4.35	1.88	2.19	0.69	0.88	0.76
OELB1-TB	½"	4.06	1.62.	1.90	0.69	0.88	0.63
OELB2-TB	¾"	4.35	1.88	2.19	0.69	0.88	0.76

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United States
Tel: 901.252.8000
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Cl.I, Div. 1 & 2, Groups C, D
Cl.II, Div. 1, Groups E, F, G
Cl.III, Div. 1 & 2
NEMA 3, 4, 7 CD, 9 EFG

Explosion-Proof
Dust-Ignition-Proof
Raintight
Wet Locations

Conduit Outlet Elbows
Explosion-Proof, Dust-Ignition-Proof

Provides maximum volume for bends within a compact overall size!

Capped Iron Elbow — Female to Female

LBY

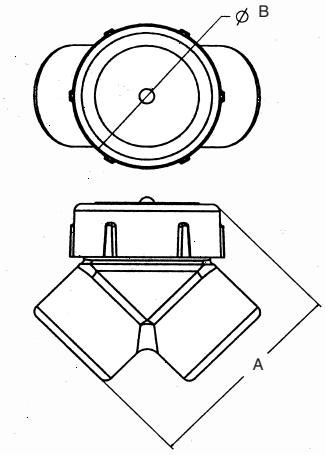
Application

LBY/GYF elbows are installed in conduit systems within hazardous areas to:

- Make 90° bends in conduit systems where space is limited
- Act as pull outlets
- Provide access to conductors for maintenance and future system changes

Features

- Maximum volume for bends within a compact overall size
- Screw on cover for ease of installation and removal
- Cover opening on an angle, permitting conductors to be pulled straight through either hub
- Tapered threaded hubs and integral bushing for rigid threaded conduit
- Standard materials: LBY Ductile Iron
  GYF Copper Free Aluminum



LBY —

Class I, Division 1 & 2, Groups C, D
Class II, Division 1, Groups F, G
Class III

Class I, Division 1 & 2, Groups C, D
Class II, Division 1, Groups F, G
Class III

CAT. NO.	HUB SIZE	A	B	THROAT DIM. MIN.	THROAT DIM. MAX.
LBY15-TB	½"	2 9/16	2	0.570	0.610
LBY25-TB	¾"	2 13/16	2¼	0.755	0.810
LBY35-TB	1"	3 3/32	2½	0.955	1.035
LBY45-TB	1¼"	3¾	2 15/16	1.260	1.360
LBY55-TB	1½"	4¼	3⅜	1.470	1.590
LBY65-TB	2"	5½	4	1.880	2.047

GYF

Capped Aluminum Elbow — Female to Female

CAT. NO.	HUB SIZE	UNIT QTY.	STD. PKG.	WT. LBS. PER 100
GYF-1	½"	10	50	23
GYF-2	¾"	5	25	40
GYF-3	1"	5	25	60
• GYF-4	1¼"	2	10	80
GYF-5	1½"	2	10	95

• *Made to order items. Consult factory for lead time and minimum quantities.*

RE, PLG, REC Reducers, Plugs and Adapters
Explosion-Proof, Dust-Ignition-Proof

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

Explosion-Proof
Dust-Ignition-Proof

Application
- RE and REC reducers are used in threaded heavy wall conduit systems
- RE reduces conduit hubs to a smaller size
- REC connects two different sizes of conduit together or is used to replace a coupling and reducer in an installation
- PLG plugs are used for closing threaded conduit hubs

Features
- All Hubs have NPT threads with a minimum of five full threads and integral bushing for preventing damage to wires

Materials
- Machined Reducers: Steel
- Cast Reducers: Gray Iron
- Funnel Reducers: Iron
- Recessed Plugs: Gray Iron
- Red•Dot® Recessed Plugs: Copper-free Aluminum

Standard Finishes
- Cast zinc-plated with aluminum acrylic paint
- Machine zinc-plated with clear chromate finish

Listing Certifications
- UL: 886
- CSA: C22.2 No.30
- NEC/CEC: Cl.I, Div. 1 & 2, Groups A, B, C, D
  Cl.II, Div. 1, Groups E, F, G Cl.III

For hazardous and non-hazardous locations

Recessed Plugs

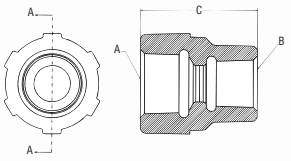
CAT. NO.	THREADS (NPT)
With Flush Head for Hazardous and Non-Hazardous Locations	
PLG1-TB	½
PLG2-TB	¾
PLG3-TB	1
PLG4-TB	1¼
PLG5-TB	1½
PLG6-TB	2
PLG7-TB	2½
PLG8-TB	3
PLG9-TB	3½
PLG10-TB	4

Reducing Bushings

CAT. NO.	A MALE (NPT)	B FEMALE (NPT)
RE21-TB	¾	½
RE31-TB	1	½
RE32-TB	1	¾
RE41-TB	1¼	½
RE42-TB	1¼	¾
RE43-TB	1¼	1
RE51-TB	1½	½
RE52-TB	1½	¾
RE53-TB	1½	1
RE54-TB	1½	1¼
RE61-TB	2	½
RE62-TB	2	¾
RE63-TB	2	1
RE64-TB	2	1¼
RE65-TB	2	1½

CAT. NO.	A MALE (NPT)	B FEMALE (NPT)
RE73-TB	2½	1
RE74-TB	2½	1¼
RE75-TB	2½	1½
RE76-TB	2½	2
RE83-TB	3	1
RE84-TB	3	1¼
RE85-TB	3	1½
RE86-TB	3	2
RE87-TB	3	2½
RE96-TB	3½	2
RE97-TB	3½	2½
RE98-TB	4	3
RE106-TB	4	2
RE107-TB	4	2½
RE108-TB	4	3

REC Series Reducers



CAT. NO.	A (NPT)	B (NPT)	C
Funnel-Shaped Reducers for Hazardous and Non-Hazardous Locations			
REC21-TB	¾	½ - 14	1⅞
REC31-TB	1	½ - 14	2
REC32-TB	1	¾ - 14	2

Aluminum Recessed Plugs

CAT. NO.	HUB SIZE
With Flush Head for Hazardous and Non-Hazardous Locations	
XPLG-1†	½"
XPLG-2†	¾"
XPLG-3†	1"
XPLG-4*	1¼"
XPLG-5*	1½"
XPLG-6*	2"
XPLG-7*	2½"
XPLG-8*	3"
XPLG-9*	3½"
XPLG-10*	4"

Made to order items. Consult factory for lead time and minimum quantities.

† *Not UL Listed*

* *UL Listed E 34438*

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United States
Tel: 901.252.8000
800.816.7809
Fax: 901.252.1354

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Tel: 888.862.3289

Three-Piece Couplings Explosion-Proof, Dust-Ignition-Proof

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

Explosion-Proof
Dust-Ignition-Proof

Application

UNY and UNF unions are installed in threaded thickwall conduit systems:

- UNY — to connect conduit to a conduit fitting, junction box, or device enclosure
- UNF — to connect conduit to conduit, or to provide a means for future modification of the conduit system

Standard Finishes

- Steel — electrogalvanized with chromate treatment
- Iron alloy, malleable iron — electrogalvanized and aluminum acrylic paint

Certifications and Compliances*

- NEC/CEC

  Class I, Division 1 & 2, Groups A, B, C, D
  Class II, Division 1, Groups E, F, G
  Class III

  UNF, UNY ½" – 1"

- UL – Conduit unions for use in Cat. Nos. UNF/UNY followed by 105, 205, or 305; for use in:

  Class I, Division 1 & 2, Groups A, B, C, D
  Class II, Division 1, Groups E, F, G
  Class III

  UNF, UNY ½", ¾", 1"

- CSA — Conduit unions for use in Cat. Nos. UNF/UNY followed by 105, 205, 305, 405 or 505; for use in:

  Class I, Division 1 & 2, Groups B, C, D
  Class II, Division 1, Groups E, F, G
  Class III

  UNF, UNY ½", ¾", 1", 1¼", 1½"

- UL — Conduit unions for use in Cat. Nos. UNF/UNY followed by 405 or 505; for use in:

  Class I, Division 1 & 2, Groups B, C, D
  Class II, Division 1, Groups E, F, G
  Class III

  UNF, UNY 1¼", 1½"

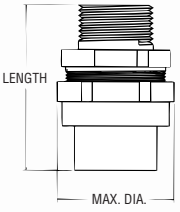
- UL & CSA — Conduit unions for use in Cat. Nos. UNF/UNY, EL Series followed by 605, 905, or 1005; for use in:

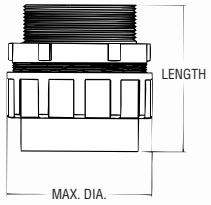
  Class I, Division 1 & 2, Groups C, D
  Class II, Division 1, Groups E, F, G
  Class III

  UNF,UNY 2", 2½", 3", 3½", 4"

UNY Male Unions

UNY

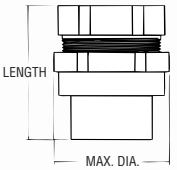


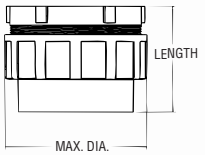


CAT. NO.	TR SIZE	OVERALL LENGTH/INCHES	OVERALL DIA./INCHES
For Hazardous and Non-Hazardous Locations			
UNY105-TB	½	2 25/64	1½
UNY205-TB	¾	2 7/16	1 13/16
UNY305-TB	1	2¾	2
UNY405-TB	1¼	3 1/16	2¾
UNY505-TB	1½	3⅝	3 1/16
UNY605-TB	2	3½	3 13/16
UNY705-TB	2½	4 13/16	4 5/16
UNY805-TB	3	5 1/32	5 1/16
UNY905-TB	3½	5½	5 11/16
UNY1005-TB	4	5⅝	6 3/16

UNF Female Unions

UNF





CAT. NO.	TR SIZE	OVERALL LENGTH/INCHES	OVERALL DIA./INCHES
For Hazardous and Non-Hazardous Locations			
UNF105-TB	½	1⅞	1½
UNF205-TB	¾	2⅛	1 13/16
UNF305-TB	1	2 5/32	2
UNF405-TB	1¾	2¼	2¾
UNF505-TB	1½	2¾	3 1/16
UNF605-TB	2	2½	3 13/16
UNF705-TB	2½	3½	4 5/16
UNF805-TB	3	4	5 1/16
UNF905-TB	3½	4 5/32	5 11/16
UNF1005-TB	4	4¼	6 3/16

United States
Tel: 901.252.8000
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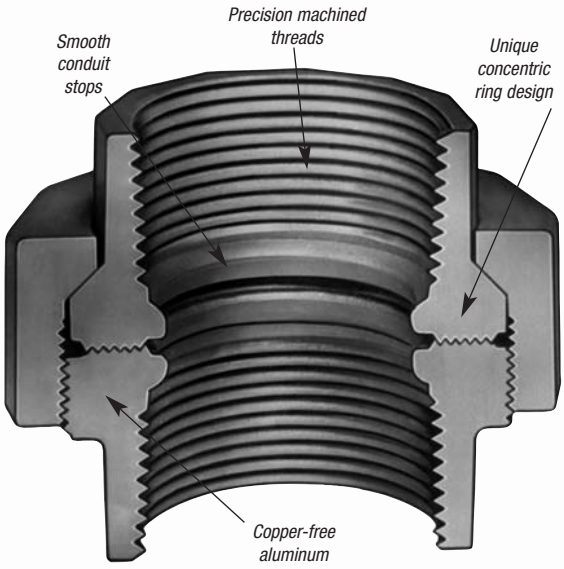
Aluminum Three-Piece Couplings
Explosion-Proof, Dust-Ignition-Proof

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

Explosion-Proof
Dust-Ignition-Proof
Raintight
Wet Locations

EXFU EXMU



Application

- Unions are used as connecting elements between enclosures, fittings or boxes that permit future changes to the system in both hazardous and non-hazardous areas

Features/Benefits

- Copper-free* aluminum provides increased corrosion resistance
- Precision cast and machined surfaces permit safer wire pulling
- Precision NPT threaded hubs allow trouble-free field installation for rigid or IMC conduit
- Clear UL, CSA and cubic content markings speed approval by inspectors
- Unique concentric ring design insures critical flame path control

Standard Materials

- Die cast aluminum alloy A360 with less than .004 copper content (copper-free)
- EXMU nipples are galvanized steel

Standard Finish

- Aluminum lacquer finish

Compliances

- UL Listed
- CSA Certified
- Suitable for hazardous locations
- Federal Spec W-C-586

Sample Specifications

- Conduit unions for hazardous locations shall be die cast copper-free* aluminum alloy A360. Suitable for use in hazardous locations: Class I, Groups C, D; Class II, Groups E, F, G and Class III. All conduit stops shall be coined and free of rough edges. Conduit unions shall be finished with aluminum lacquer. Conduit unions shall be Thomas & Betts® Catalog No. _____

Less than .004 copper content.

EXFU

EXMU

Male and Female Unions

Female to Female

CAT. NO.	HUB SIZE	UNIT QTY.	STD. PKG.	WT. LBS. PER 100
EXFU-1	½"	5	25	24
EXFU-2	¾"	5	25	33
EXFU-3	1"	5	25	42
EXFU-4	1¼"	5	25	53
EXFU-5	1½"	5	25	68
• EXFU-6	2"	2	10	130
• EXFU-7	2½"	2	10	270
• EXFU-8	3"	1	5	310
• EXFU-9	3½"	1	5	340
• EXFU-10	4"		1	374

Male to Female

CAT. NO.	HUB SIZE	UNIT QTY.	STD. PKG.	WT. LBS.PER 100
EXMU-1	½"	5	25	24
EXMU-2	¾"	5	25	35
EXMU-3	1"	5	25	45

• *Made to order items. Consult factory for lead time and minimum quantities.*

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

Explosion-Proof
Dust-Ignition-Proof
Raintight
Wet Locations

Elbows
Explosion-Proof, Dust-Ignition-Proof

Application

EYD drain and inspection sealing fittings:

- Restrict the passage of gases, vapors or flames from one portion of the electrical installation to another at atmospheric pressure and normal ambient temperatures
- Limit explosions to the sealed-off enclosure
- Prevent precompression or "pressure piling" in conduit systems. Drain sealing fittings are installed in vertical conduit runs and at low points in conduit systems to prevent accumulation of condensate above seal

Features:

EYD drain sealing fittings include:

- Drain to provide continuous, automatic drainage of condensate
- Large openings with threaded closures to provide easy access to conduit hubs for making dams
- Integral bushings to protect conductor insulation from damage
- Tapered-tapped hubs to ensure ground continuity

Standard Materials

- Bodies, and inspection or drain covers — Gray iron alloy and/or ductile iron
- Closure for drain — copper-free aluminum or ductile iron
- Small closure plug — Gray iron alloy and/or steel
- Drain — stainless steel
- Removable nipples — steel

Standard Finish

- Gray iron alloy and ductile iron — electrogalvanized and aluminum acrylic paint
- Copper-free aluminum — natural
- Stainless steel — natural
- Steel — electrogalvanized

Options

- Copper-free aluminum bodies, nipples and enclosures — see listings

Size Ranges

- EYD — ½"–4"

Certifications and Compliances*

NEC/CEC:

- EYD11 — 31-TB

  Class I, Division 1 & 2, Groups A,B,C,D. Class II, Division 1, Groups E, F, G. Class III.
- EYD41 — 101-TB

  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: 886
- CSA Standard: C22.2

Sealing Compound and Fibers

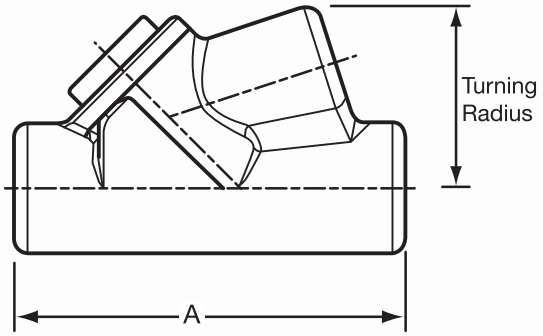
- Seal A3 (1 lb. can of sealing compound)
- Fiber X6 (8 oz. fiber packing)
- Sealkit (1 lb. can of sealing compound and 1 oz. fiber packing)

Sealing Fittings Explosion-Proof, Dust-Ignition-Proof

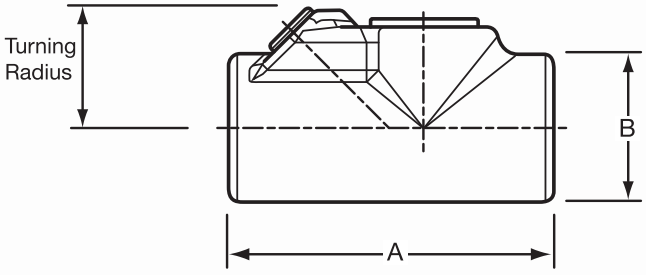
EYD Drain Seals

CAT. NO.	SIZE	A	B	TURNING RADIUS
EYD11-TB	½"	3.81	1.50	1.75
EYD21-TB	¾"	4.08	1.75	1.98
EYD31-TB	1	4.85	2.19	2.19
EYD41-TB	1¼"	5.00	2.25	1.80
EYD51-TB	1½"	5.44	2.44	2.00
EYD61-TB	2	6.25	3.00	2.32
EYD71-TB	2½"	7.50	3.50	2.69
EYD81-TB	3	8.50	4.25	3.15
EYD91-TB	3½"	9.19	4.75	3.38
EYD101-TB	4	9.75	5.25	3.64

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



EYD ½" — 1"



EYD 1¼" — 4"

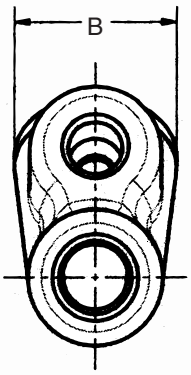
Drains/Breathers for Hazardous Locations

CAT. NO.	SIZE	DIM. "D"
ECD15	½"	.975
ECD384	⅜"	.407
ECD284	¼"	.327

Application

The Thomas & Betts Universal drain/breather fittings can be used as drains or breathers depending on the installation.

- To use as a drain, the product must be installed in the bottom of the enclosure or the lowest point where an NPT threaded opening exists. It can also be used in a seal fitting or a "T" conduit body. These must be in a lower section of the conduit system. This will enable moisture inside the conduit system to drain out
- To use as a breather, installation should be done at the top of an enclosure or in upper sections of conduit systems. This will permit air exchange and keep moisture accumulation inside the conduit system to a minimum, Thomas & Betts recommends the use of at least 2 devices (one drain and one breather) for maximum efficency



EYD ½" — 1"

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Sealing Fittings Explosion-Proof, Dust-Ignition-Proof

EYS Sealing Fittings

Application

EYS sealing fittings can be installed in either vertical or horizontal applications.

- Seals sections of conduit runs from passage of vapors, flame, or gases
- Seals off sections of conduit system during explosion
- Limits precompression or pressure piling in conduit system

Features

- All hubs have a minimum of five full threads, integral bushings to protect conductor insulation from damage, and large access openings for easier packing of sealing medium
- Seals are approved to be used with Crouse-Hinds® Sealing Compound and Fiber

Size Range

- ½" NPT to 4" NPT

Materials

- Bodies: Ductile Iron
- Plugs: Gray Iron
- Nipples: Steel, supplied with EYS fittings

Finish

- Bodies: Zinc-plated with aluminum acrylic paint
- Plugs: Zinc-plated with aluminum acrylic paint
- Nipples: Zinc-plated

Listing Certifications and Compliances

- UL886
- CSA: C22.2 No. 30
- EYS seals are approved to be used with Crouse-Hinds® Chico® A compound and Chico® X fiber.

Sealing Compound and Fibers

- Seal A3 (1 lb. can of sealing compound)
- Fiber X6 (8 oz. fiber packing)
- Sealkit (1 lb. can of sealing compound and 1 oz. fiber packing)

NEC/CEC:

EYS1-3TB*

Cl. I, Div. 1 & 2, Groups A, B, C, D

EYS4-5TB*

Cl. I, Div. 1 & 2, Groups C, D

EYS11-31TB*

Cl. I, Div. 1 & 2, Groups A, B, C, D

Cl. II, Div. 1, Groups E, F, G

Cl. III

EYS41-101TB*

Cl. I, Div. 1 & 2, Groups C, D

Cl. II, Div. 1, Groups E, F, G

Cl. III

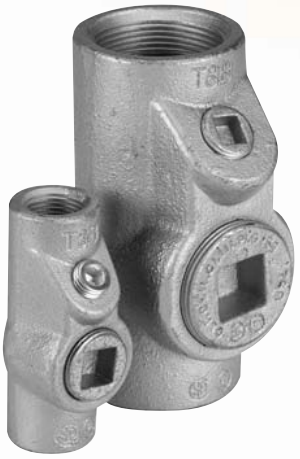
Cl. I, Div. 1 & 2, Groups A, B, C, D*

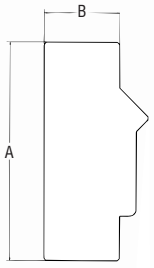
Cl. II, Div. 1, Groups E, F, G

Cl. III, Div. 1 & 2

Explosion-Proof

Dust-Ignition-Proof

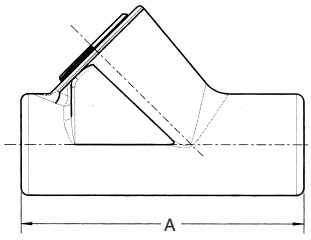


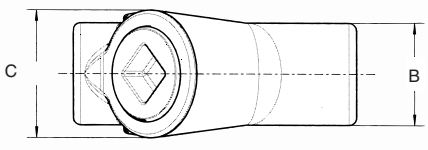


EYS11-TB – EYS101-TB

EYS Sealing Fittings

CAT. NO.	HUB SIZE	DIMENSIONS (IN.) A	B	C	TURNING RADIUS
Verticle only					
EYS1-TB	½"	3.31	1.25	1.50	1.66
EYS2-TB	¾"	3.65	1.50	1.75	1.96
EYS3-TB	1	4.25	1.75	2.19	2.40
EYS4-TB	1¼"	5.00	2.25	2.45	3.11
EYS5-TB	1½"	5.69	2.45	3.00	3.62
Horizontal/Verticle					
EYS11-TB	½"	3⅜	1¼	–	1⅜₃₂
EYS21-TB	¾"	3y	1½	–	1¼
EYS31-TB	1	4¼	1¾	–	1⁹⁄₃₂
EYS41-TB	1¼"	5	2¼	–	1¾₁₆
EYS51-TB	1½"	5⁷⁄₁₆	2⁷⁄₁₆	–	2
EYS61-TB	2	6¼	3	–	2⅝₁₆
EYS71-TB	2½"	7½	3½	–	2⅝₁₆
EYS81-TB	3	8½	4¼	–	3⅜₂
EYS91-TB	3½"	9⅜₁₆	4¾	–	3⅜
EYS101-TB	4	9¾	5¼	–	3¹⁷⁄₃₂





EYS1-TB – EYS5-TB

Crouse-Hinds® and Chico® are trademarks of Cooper Industries, Inc.

Sealing Fittings Explosion-Proof, Dust-Ignition-Proof

EYVF

EVHF

EVHF

EVHF-1 through -3

EVHF-4 through -10

Application

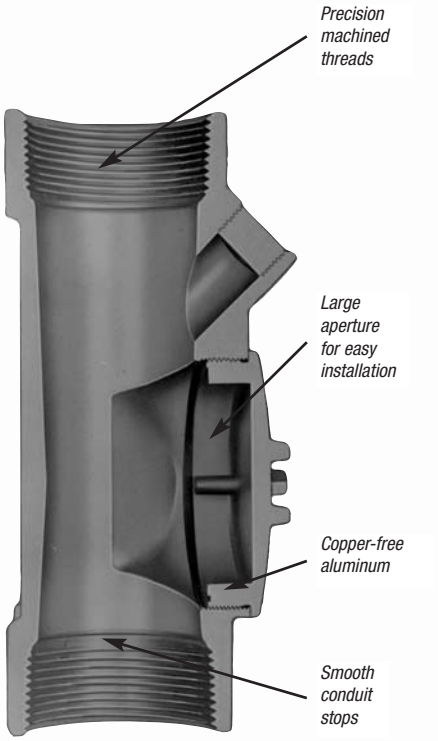
- Limits flames and/or explosions to area within electrical system where they originate
- Limits pressure piling
- Required by NEC for conduit systems in hazardous locations 18" from an enclosure housing a heat producing or arcing device; on 2" and larger system that enters an enclosure containing splices; wherever conduit leaves a Class I, Division I area and enters a non-hazardous area

Features/Benefits

- Copper-free* aluminum provides increased corrosion resistance
- Precision cast and machined surfaces permit safer wire pulling
- Precision NPT threaded hubs enable trouble-free field installation for rigid or IMC conduit
- Large opening provides maximum working room for creating dam and seal pouring to speed up installation
- Compact design permits close construction of parallel conduit runs

Standard Materials

- Sealing Fittings: Die cast aluminum alloy A360 with less than .004 copper content (copper-free)
- Sealing Cement
- Fiber: Flame retardant Kaowool Type A fiber



Standard Finish

- Aluminum lacquer finish

Compliances

- UL Listed
- CSA Certified
- Suitable for hazardous locations
- Federal Spec W-C-586

Sample Specifications

- Sealing fittings for hazardous locations shall be die cast copper — free* aluminum alloy A360. Suitable for use in hazardous locations: Class I, Groups C, D; Class II, Groups E, F, G and Class III. All conduit stops shall be coined and free of rough edges. Sealing fittings for hazardous locations shall be finished with aluminum lacquer. Sealing fittings shall be Thomas & Betts Catalog No. _____

*Less than .004 copper content.

Cl.I, Div. 1 & 2, Groups C, D Cl.II, Div. 1, Groups E, F, G Cl.III, Div. 1 & 2	Explosion-Proof Dust Ignition-Proof Raintight Wet Locations
NEMA 3, 4, 7 CD, 9 EFG	

Vertical

CAT. NO.	HUB SIZE	UNIT QTY.	STD. PKG.	WT. LBS. PER 100
† EYVF-1	½"	5	25	50
† EYVF-2	¾"	5	25	54
† EYVF-3	1"	5	25	100
EYVF-11	½"	10	50	35
EYVF-22	¾"	10	50	40
EYVF-33	1"	4	20	60

Vertical/Horizontal

CAT. NO.	HUB SIZE	UNIT QTY.	STD. PKG.	WT. LBS. PER 100
EVHF-1	½"	10	50	41
EVHF-2	¾"	5	25	50
EVHF-3	1"	5	25	60
EVHF-4	1¼"	4	20	70
EVHF-5	1½"	1	5	60
EVHF-6	2"	1	1	125
• EVHF-7	2½"	1	1	150
• EVHF-8	3"	1	1	250
• EVHF-9	3½"	1	1	300
• EVHF-10	4"	1	1	400

• Made to order items. Consult factory for lead time and minimum quantities.

† Packaged with an adequate amount of sealing compound and plugs installed.

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Sealing Fittings Explosion-Proof, Dust-Ignition-Proof

Preparation

Applications

Red•Dot® sealing cement is used for making seals in sealing fittings. The insulation in the conductors sealed in the cement may be approved thermoplastic or rubber, with or without lead covering. The sealing cement should not be used for insulating.

Characteristics

Red•Dot® sealing cement is not affected by gasoline, alcohol, acetone, ether, naptha, petroleum, benzol or lacquer solvent.

Preparation

(1) Use a clean mixing vessel for each batch.

(2) Thoroughly mix powder before adding water.

(3) Do not use if temperature is below 40° F.

(4) Mix 1 part water to 2 parts cement.

(5) Allow cement to set for 72 hours before use.

Standard Dams

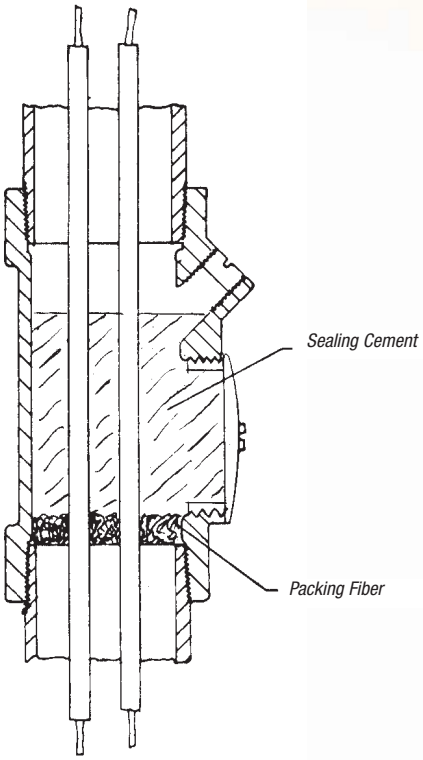
(1) Push the conductors away from the filling opening and force them apart so that they do not touch each other or the walls of the fitting or conduit along their length. If the conductors do touch, the sealing cement will not form a closed path between them.

(2) Force the packing fiber between each conductor and the inside walls. Be sure that the dam is strong enough and tight enough to prevent the considerable weight of the fluid sealing cement from seeping out.

Pouring

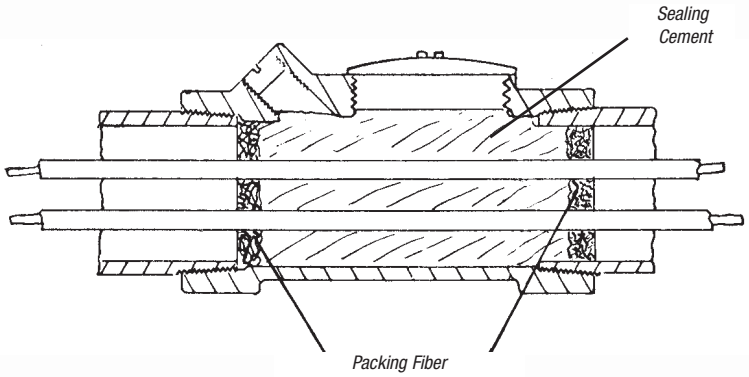
(1) Pour the mixed cement into the fitting slowly so as not to trap air in the seal.

(2) Replace the close-up plugs to ensure that they engage not less than 5 full threads.



Vertical Installation for EYVF or EVHF Fittings

Cl.I, Div. 1 & 2, Groups C, D	Explosion-Proof
Cl.II, Div. 1, Groups E, F, G	Dust-Ignition-Proof
Cl.III, Div. 1 & 2	Raintight
NEMA 3, 4, 7 CD, 9 EFG	Wet Locations



Horizontal EVF Installation

Sealing Fittings Explosion-Proof, Dust-Ignition-Proof

Sealing Cement and Fiber for Thomas & Betts Sealing Fittings

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

Explosion-Proof
Dust-Ignition-Proof
Raintight
Wet Locations

EXSC

Sealing Cement

- Can be used on Red•Dot® EYV, EVH series fittings only

CAT. NO.	QUANTITY	VOLUME CUBIC INCHES	STD. PKG.	WT. LBS PER 100
EXSC-2	3.2 oz.	2.75"	25	20
EXSC-8	13 oz.	11.50"	15	81
EXSC-16	1 lb., 10 oz.	23.00"	10	163

Packing Fiber

- Can be used on Red•Dot® EYV, EVH series fittings only

EXPF

CAT. NO.	QUANTITY	VOLUME CUBIC INCHES	STD. PKG.	WT. LBS PER 100
EXPF-16	1 lb.		1	112

Approximate Amount of Cement and Fiber Required per Hub.

CAT. NO.	HUB SIZE	CEMENT QUANTITY	FIBER QUANTITY
EYVF-11	½"	2 oz.	1/32 oz.
EYVF-22	¾"	3 oz.	1/16 oz.
EYVF-33	1"	4 oz.	⅛ oz.
EVHF-1	½"	2 oz.	1/32 oz.
EVHF-2	¾"	2 oz.	1/32 oz.
EVHF-3	1"	4 oz.	¼ oz.
EVHF-4	1¼"	4 oz.	¼ oz.
EVHF-5	1½"	6 oz.	½ oz.
EVHF-6	2"	12 oz.	1 oz.
EVHF-7	2½"	15 oz.	1½ oz.
EVHF-8	3"	40 oz.	2 oz.
EVHF-9	3½"	45 oz.	3 oz.
EVHF-10	4"	50 oz.	4 oz.

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Kopr-Shield® Compound

The copper colloidal surface treatment that protects, lubricates and enhances conductivity between all electrical connections.

Kopr-Shield® Compound

Good connections are one of the most important aspects of electrical work. Mechanics know how much downtime is caused when fluids or oils leak into the raceway system or when looking for a weak link in a ground system caused by a high resistance connection. Mechanics also know how much time is spent keeping contacts, switches, lugs and other connectors clean or replacing parts because of "green scourge" buildup. Thomas & Betts has the solution to improve connections made in thousands of electrical and raceway installations made each day by electricians everywhere.

Kopr-Shield® compound is a unique homogenized blend of pure, polished colloidal copper, rust and corrosion inhibitors that simultaneously protects, lubricates and enhances the conductivity of the mating surfaces to which it is applied. Extremely adhesive, Kopr-Shield® compound flows smoothly into uneven contours and voids, making application easy, protection and lubrication complete and positive. A stable compound, it will not settle-out, thin, thicken, harden, or dry out under the most severe environmental conditions.

Kopr-Shield® Compound has excellent temperature characteristics — brushed on at -50˚ F to 250˚ F (other compounds either turn solid or run like water at these extremes). Even at 1800˚ F, Kopr-Shield® remains intact for short terms.

Kopr-Shield® Compound may be used to advantage in all electrical installations. When the environment is hostile to good electrical and mechanical connections, Kopr-Shield® Compound is a must!

Kopr-Shield® by Thomas & Betts meets the requirements of Section 300.6(A) in the 2002 NEC Code for Protection Against Corrosion.

"Where corrosion protection is necessary and the conduit is threaded in the field, the threads shall be coated with an approved electrically conductive, corrosion-resistant compound."

Use Kopr-Shield® Compound for Battery Lugs and Cables

- Prevention of "Green Scourge" corrosion
- Reduction of resistance
- Ease of terminal installation and removal

Use Kopr-Shield® Compound for Raceways.

- Lubrication — ease of assembly and disassembly
- Grounding continuity improved — exceeds code requirements

Use Kopr-Shield® Compound for Fuse Clips.

- Even heat distribution — elimination of hot spots
- Oxidation Prevention — prevents carbon path formation
- Lubrication — easy installation and removal of fuses

Use Kopr-Shield® Compound for Wiping Contacts, Drum Switches and Slip Rings.

- Prevention of galling, burning, pitting and discoloration
- Suppression of arching and dissipation of coronas
- Lubrication for ease of operation

CAT. NO.	DESCRIPTION	STD. PKG.	WT. LBS./C
201-31879	1½ oz. Container with brush	96	11.46
201-31879-1	4 oz. Container with brush	24	38.54
CP8-TB	8 oz. Container with brush	12	64.58
CP16	16 oz. Container with brush	12	120.83
CP128	1 Gallon can	4	952.00

Kopr-Shield® is a trademark of Jet Lube, Inc.