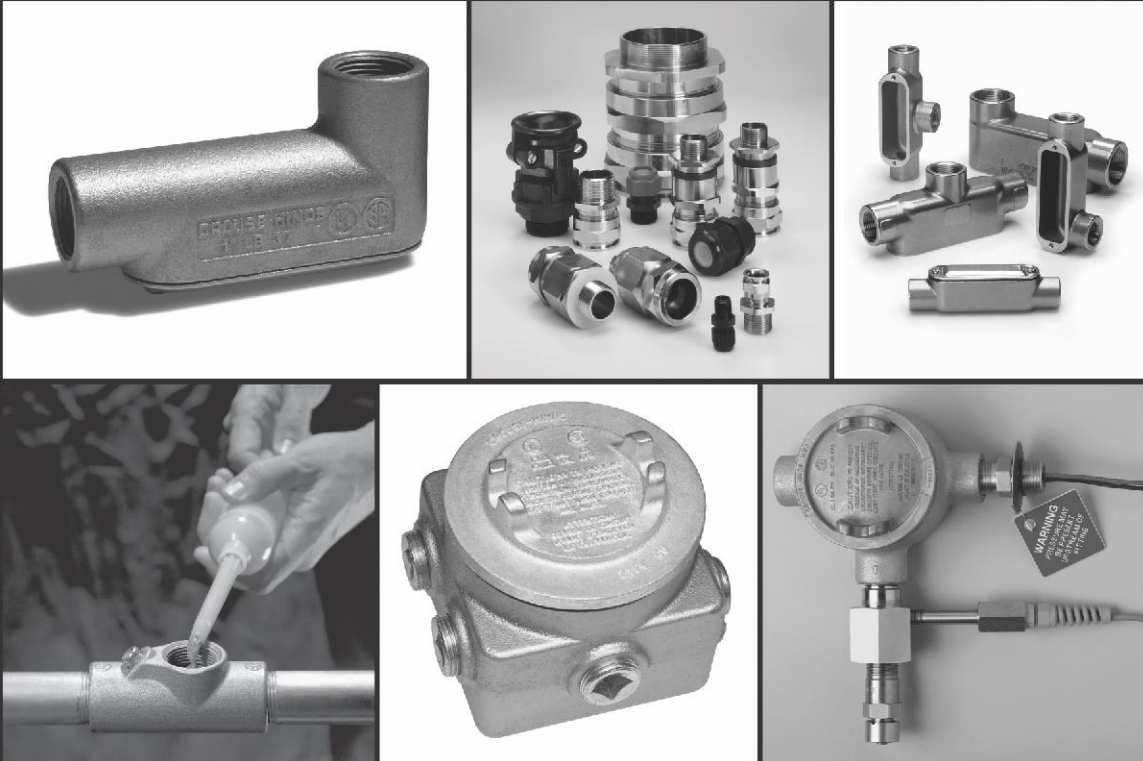


# Accesorios Tubería

## Sección F

Time-tested and innovative conduit fittings, cord connectors and cable glands move power where you need it simply and safely in any electrical installation.



### New Products in the Industrial Fittings Product Line

- BUBXL Extra Large Moguls
- Stainless Steel Conduit Outlet Bodies
- Stainless Steel Conduit Device Boxes
- ATEX Certified Conduit Outlet Bodies for IEC Applications
- Elbows and Tees with IEC Certifications
- Unions, Reducers, Adapters and Plugs with IEC Certifications
- Conduit Sealing Fittings with IEC Certifications
- Ultra High Pressure Seal
- Secondary Process Seal with Rupture Sensor

### Section

- 1F
- 1F
- 2F
- 3F
- 3F
- 5F
- 6F
- 6F
- 6F

### Notable changes to the Industrial Fittings section of this catalog

- Section 1F now includes all Non-hazardous Conduit Outlet Bodies and Outlet Boxes (previously 1F and 2F)
- Section 2F is now Non-hazardous Conduit Device Boxes (previously 3F)
- Section 3F is now Hazardous Conduit Outlet Bodies and Outlet Boxes (previously 4F)
- Section 4F is now Cable Glands and Cable Accessories (previously 5F)
- Section 5F is now Elbows, Couplings, Hubs, Grounding Devices, Plugs, Reducers, Service Entrance and Unions - Hazardous and Non-Hazardous (previously 7F)
- Section 6F is now Seals, Breathers, and Drains (previously 8F)
- Junction Boxes (previously 6F) have moved into the new Enclosures product line

# 1F Conduletas de propósito general

## Material: hierro ó Aluminio

1F

### Applications:

Conduit outlet bodies are installed in conduit systems to:

- Act as pull outlets for conductors being installed
- Provide openings for making splices and taps in conductors
- Connect conduit sections
- Provide taps for branch conduit runs
- Make 90° bends in conduit runs
- Provide for access to conductors for maintenance and future system changes

### Features:

#### Conduit Outlet Bodies

- Form 7 Condulet outlet bodies approach conduit in size for neat, compact installations
- Mark 9 bodies provide more room for heavier conductors
- Conduit hubs have tapered threads and feature integral bushings for protection of wire insulation
- Form 7 has exclusive wedgenut cover attachment to provide clear, unobstructed cover opening

#### Gaskets

Solid gaskets:

- Are used with blank covers
- For Mark 9 can be converted to open type gaskets by tearing out center section along scored lines – ½" to 2" sizes
- For Form 7 are used with all covers

Open gaskets:

- For Mark 9 – 2½" to 4" sizes

#### Blank Covers

Stainless steel cover screws are standard on Form 7, Form 8, Mark 9, Series 5 and Form 5 covers.

- Form 7

Wedge nut design facilitates installation and removal. Nuts are held captive in cover. Covers can be used with or without gaskets.

- Mark 9 Self-retaining cover screws.

### Certifications and Compliances:

Outlet Bodies only for Form 7, Mark 9 and Mogul:

- UL Standard: 514B
- Fed. Spec.: W-C-586D
- CSA Standard 22.2 No. 18
- NEMA 3R Raintight (when installed with cover and gasket)

### Standard Materials:

- Form 7, Feraloy iron alloy
- Mark 9 copper-free aluminum
- Serie 3 copper-free aluminum

### Standard Finishes:

- Form 7 electrogalvanized with aluminum acrylic paint
- Mark 9 outlet bodies – natural

### Options:

Description	Suffix
Form 7 body and cover only:	
Copper-free aluminum .....	SA
Corro-free epoxy powder coat - internal and external .....	S753



Form 7



Mark 9



Mogul

# Conduletas de propósito general




1F

Material Forma 7: Hierro electrolgalvanizado. Para pedir en aluminio agregar sufijo SA

Material Serie 3: Solo vienen en aluminio. No es necesario agregar sufijo SA

Para pedir con tapa y empaque agregar sufijo CG. Ejemplo: LB37-CG (hierro). Ejemplo para forma 7 en aluminio: T27-SACG. Ejemplo para serie 3: LR-13CG

## Cuerpos con roscas NPT

Cuerpo	Style	Diámetro									
		1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	3 1/2	4
	C Serie 3	C-13	C-23	C-33	C-43	C-53	C-63				
	Forma 7	C17	C27	C37	C47	C57	C67	C77	C87		
	E Serie 3										
	Forma 7	E17	E27	E37							
	L Serie 3										
	Forma 7	L17	L27	L37	L47	L57	L67				
Doble tapa. Puede ser usada como LL ó-LR.											
	LB Serie 3	LB-13	LB-23	LB-33	LB-43	LB-53	LB-63				
	Forma 7	LB17	LB27	LB37	LB47	LB57	LB67	LB777	LB87	LB97	LB107
	LL Serie 3	LL-13	LL-23	LL-33	LL-43	LL-53	LL-63				
	Forma 7	LL17	LL27	LL37	LL47	LL57	LL67	LL777	LL87	LL97	LL107
	LR Serie 3	LR-13	LR-23	LR-33	LR-43	LR-53	LR-63				
	Forma 7	LR17	LR27	LR37	LR47	LR57	LR67	LR777	LR87	LR97	LR107
	T Serie 3	T-13	T-23	T-33	T-43	T-53	T-63				
	Forma 7	T17	T27	T37	T47	T57	T67	T77	T87	T97	T107
	TA Serie 3										
	Forma 7	TA17	TA27	TA37	TA47	TA57	TA67				
	X Serie 3										
	Forma 7	X17	X27	X37	X47	X57	X67				

1F

# 1F Conduletas de propósito general

## Material: Lámina de acero

### Tapas y empaques de repuesto

#### 1F Blank Covers



Sheet Steel



Sheet Aluminum

Size	Form 7		Mark 9	
	Sin empaque Cat. #	Con empaque Cat. #	Sin empaque Cat. #	Con empaque Cat. #
1/2	170	170G	190	190G
3/4	270	270G	290	290G
1	370	370G	390	390G
1 1/4	470	470G	490	490G
1 1/2	570	570G	590	590G
2	670	670G	690	690G
2 1/2	870		889	
3	870		889	
3 1/2	970		989	
4	970		989	

#### Solid Gaskets - Neoprene



Size	Form 7 Cat. #	Mark 9† Cat. #
1/2	GASK571	GASK1941
3/4	GASK572	GASK1942
1	GASK573	GASK1943
1-1/4	GASK574	GASK1944
1-1/2	GASK575	GASK1945
2	GASK576	GASK1946
2-1/2	GASK578	GASK808N
3	GASK578	GASK808N
3-1/2	GASK579	GASK809N
4	GASK579	GASK809N

## LBD Mogul Tapa Sesgada

Material Estandar hierro electrogalvanizado

Para pedir en aluminio agregar sufijo SA

### Applications:

LBD bodies are installed at 90° bends in rigid conduit to:

- Act as pull outlets for conductors that are stiff due to large size or type of insulation
- Make 90° bends in conduit system, allowing straight pull in either direction
- Provide for conduit service entrance to buildings
- Provide for conductor entrance to motors
- Provide access to wiring for maintenance and future expansion

### Features:

LBD bodies have:

- Cover openings on an angle permitting conductors to be pulled straight through hubs from either direction
- Domed covers to permit easy conductor bends (relieves strain on insulation)
- Cover and gasket furnished
- Taper tapped hubs with integral bushings

### Certifications and Complies:

- UL Standard: 514B
- Fed. Spec.: W-C-586d
- CSA 22.2 No. 18

### Standard Materials:

- Body and cover – Feraloy® iron alloy

### Standard Finishes:

- Feraloy iron alloy: ½" to 4" sizes, electrogalvanized and aluminum acrylic paint; 5" and 6" sizes, zinc chromate primer and aluminum lacquer

- Neoprene – natural

### Options:

Description

Material – All sizes, copper-free aluminum

Suffix

SA

### Información para ordenar



½ –



1¼ – 2", 5" –



2½ –

Size	Cat. #	Size	Cat. #	Size	Cat. #
½	LBD1100	1¼	LBD4400	3½	LBD9900
¾	LBD2200	1½	LBD5500	4	LBD10900
1	LBD3300	2	LBD6600	5	LBD012
		2½	LBD7700	6	LBD014
		3	LBD8800		

### Empaques. Solo pedir en caso de repuesto.

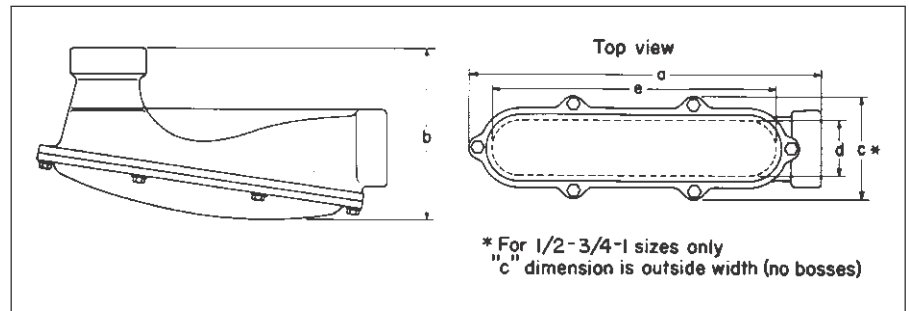
Size	Cat. #	Size	Cat. #	Size	Cat. #
½	GASK680R	1¼	GASK683R	3½	GASK989R
¾	GASK681R	1½	GASK684R	4	GASK989R
1	GASK682R	2	GASK684R	5	GASK687R
		2½	GASK990R	6	GASK688R
		3	GASK990R		

### Tapas con tornillos. Solo pedir en caso de repuesto.

Size	Cat. #	Size	Cat. #	Size	Cat. #
½	LBD100	1¼	LBD400	3	LBD800
¾	LBD200	1½	LBD600	3½	LBD900
1	LBD300	2	LBD600	4	LBD900
		2½	LBD800	5	LBD120
				6	LBD140

### Dimensions

In Inches:



\* For 1/2 - 3/4 - 1 sizes only  
"c" dimension is outside width (no bosses)

Cat. #	Size	a	b	c	d	e
LBD1100	½	5	2 <sup>9</sup> / <sub>16</sub>	1 <sup>5</sup> / <sub>16</sub>	1	3 <sup>11</sup> / <sub>32</sub>
LBD2200	¾	6¼	2 <sup>9</sup> / <sub>16</sub>	1 <sup>9</sup> / <sub>16</sub>	1¼	4 <sup>17</sup> / <sub>32</sub>
LBD3300	1	6¼	2 <sup>15</sup> / <sub>16</sub>	1 <sup>13</sup> / <sub>16</sub>	1½	4 <sup>11</sup> / <sub>32</sub>
LBD4400	1¼	8 <sup>7</sup> / <sub>8</sub>	4¼	3½	1 <sup>13</sup> / <sub>16</sub>	7 <sup>3</sup> / <sub>16</sub>
LBD5500	1½	12 <sup>7</sup> / <sub>16</sub>	5 <sup>7</sup> / <sub>16</sub>	4 <sup>5</sup> / <sub>8</sub>	2 <sup>5</sup> / <sub>8</sub>	10 <sup>7</sup> / <sub>8</sub>
LBD6600	2	12 <sup>7</sup> / <sub>16</sub>	5 <sup>7</sup> / <sub>16</sub>	4 <sup>5</sup> / <sub>8</sub>	2 <sup>5</sup> / <sub>8</sub>	10 <sup>7</sup> / <sub>8</sub>
LBD7700	2½	19 <sup>11</sup> / <sub>16</sub>	9 <sup>9</sup> / <sub>16</sub>	5 <sup>5</sup> / <sub>8</sub>	3	15 <sup>3</sup> / <sub>4</sub>
LBD8800	3	19 <sup>11</sup> / <sub>16</sub>	9 <sup>9</sup> / <sub>16</sub>	5 <sup>5</sup> / <sub>8</sub>	3	15 <sup>3</sup> / <sub>4</sub>
LBD9900 (iron)	3½	20 <sup>7</sup> / <sub>8</sub>	10 <sup>7</sup> / <sub>8</sub>	7¼	4¾	19 <sup>7</sup> / <sub>8</sub>
LBD10900 (iron)	4	20 <sup>7</sup> / <sub>8</sub>	10 <sup>7</sup> / <sub>8</sub>	7¾	4¾	19 <sup>7</sup> / <sub>8</sub>
LBD9900 (-SA)	3½	27 <sup>13</sup> / <sub>16</sub>	11 <sup>7</sup> / <sub>8</sub>	7 <sup>7</sup> / <sub>8</sub>	4	24
LBD10900 (-SA)	4	27 <sup>13</sup> / <sub>16</sub>	11 <sup>7</sup> / <sub>8</sub>	7 <sup>7</sup> / <sub>8</sub>	4	24
LBD012	5	32 <sup>7</sup> / <sub>16</sub>	12½	8 <sup>5</sup> / <sub>8</sub>	5 <sup>5</sup> / <sub>8</sub>	30
LBD014	6	41½	15	9¾	7	39

# Conduletas a prueba de explosión

Serie GUA

Material estandar hierro electrogalvanizado.

Para pedir en aluminio agregar sufijo SA (+\*)

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: 886
- 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	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. #
1/2	3	GUA16
3/4	3	GUA26*
1	3	GUA36
1 1/4	3 5/8	GUA47
1 1/2	5	GUA59

## GUAC



Hub Size	Cover Opening Dia.	Cat. #
1/2	3	GUAC16*
3/4	3	GUAC26*
1	3	GUAC36*
1 1/4	3 5/8	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

## GUAB



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

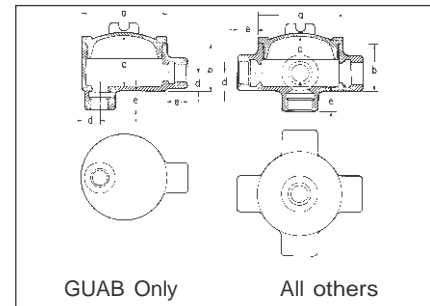
## GUAD



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 5/16	7/8
37	4 1/4	2 9/16	2 9/16	7/8
47	4 1/4	2 11/16	2 3/4	1 1/32
49	5 3/4	3 13/16	3 3/4	1 1/32
59	5 3/4	3 13/16	3 3/4	1 1/32
69	5 3/4	4 1/16	4	1 1/16

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

# Conduletas a prueba de explosión

GUA Series

Material estandar hierro electrolgalvanizado.  
Para pedir en aluminio agregar sufijo SA (+\*)

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

3F

## GUAL



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

## GUAN



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

## GUAT



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

## GUAX



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

## GUAM



Hub Size	Cover Opening Dia.	Cat. #
1/2	3	GUAM16
3/4	3	GUAM26
1	3	GUAM36
1 1/4	3 5/8	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 5/16	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 5/32
59	5 3/4	3 13/16	3 3/4	1 9/32
69	5 3/4	4 1/16	4	1 1/16

## GUAN

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

†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.

# Conduletas a prueba de explosión

## Codos a 90°

Material estandar hierro electrogalvanizado.  
Para pedir en aluminio agregar sufijo SA

Cl. I, Div. 1 & 2, Groups A, B, C, D\*  
Cl. II, Div. 1, Groups E, F, G  
Cl. II, Div. 2, Groups F, G  
Cl. III  
NEMA 7ABCD,9EFG

Explosionproof  
Dust-Ignitionproof

3F

3F

### Applications:

LBH conduit outlet bodies are installed in hazardous areas to:

- Act as pull outlets especially for conductors that are stiff due to large size or type of insulation
- Make 90° bends in conduit system, allowing straight pull in either direction
- Provide for conduit service entrance to buildings
- Provide for conductor entrance to motors
- Provide access to wiring for maintenance and future system changes

LBY 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

ET series short radius tees are installed in conduit systems within hazardous areas to:

- Allow single conduit stub up to outlet and device boxes located above or below main conduit runs. Eliminates separate feed and return conduits

### Features:

LBH bodies have:

- Cover openings on an angle, permitting conductors to be pulled straight through hubs from either direction
- Domed covers to permit easy conductor bends (relieves strain on insulation)
- Taper threaded hubs with integral bushings

LBY elbows have:

- Maximum volume for bends within a compact overall size
- Screw on cover for ease of installation and removal
- Over opening on an angle, permitting conductors to be pulled straight through either hub
- Taper threaded hubs and integral bushing for rigid threaded conduit

ET short radius tees have:

- Compact size and small radius of bend for use in concealed, or open conduit systems.

Particularly suited for use in shallow floors or partitions

- Taper threaded hubs and integral bushing for rigid threaded conduit

### Certifications and Compliances:

- NEC:
  - LBH 10-20 –
    - 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
  - LBH 30-100
    - Class I, Division 1 & 2, Group D
    - Class II, Division 1, Groups E, F, G
    - Class II, Division 2, Groups F, G
    - Class III
  - LBY –
    - 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
  - EL -
    - Class I, Division 1 & 2, Groups B++, C++, D
    - Cl. II, Div. 1, Groups E, F, G
    - Cl. II, Div. 2, Groups F, G
    - Cl. III
- UL Standard: 886
- CSA Standard: C22.2 No. 30



### Options:

Description	Suffix
LBH and LBY series – copper-free aluminum	SA
LBH and LBY series – Corro-free™ epoxy powder coat	S752

### Size Ranges:

- LBH bodies – hub size 1/2" to 4"
- LBY elbows – hub size 1/2" to 1 1/2"

### Ordering Information

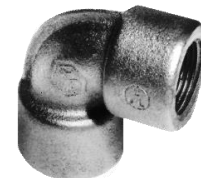
	Hub Size	Hierro	Aluminio
<b>LBH</b> 	1/2	LBH10	LBH10-SA
	3/4	LBH20	LBH20-SA
	1	LBH30	LBH30-SA
	1 1/4	LBH40	LBH40-SA
	1 1/2	LBH50	LBH50-SA
	2	LBH60	LBH60-SA
	2 1/2	LBH70	LBH70-SA
	3	LBH80	LBH80-SA
	3 1/2	LBH90	LBH90-SA
	4	LBH100	LBH100-SA
<b>LBY</b> 	1/2	LBY15	LBY15-SA
	3/4	LBY25	LBY25-SA
	1	LBY35	LBY35-SA
	1 1/4	LBY45	LBY45-SA
	1 1/2	LBY55	LBY55-SA

### Standard Materials:

- LBH, LBY and EL – Feraloy® iron alloy

### Standard Finishes:

- LBH, LBY and EL – electrogalvanized and aluminum acrylic paint



90° Female

### 90° Female

Size	Hierro	Aluminio
1/2	EL19	EL19-SA
3/4	EL29	EL29-SA
1	EL39	EL39-SA
1 1/4	EL49	EL49-SA
1 1/2	EL59	EL59-SA
2	EL69	EL69-SA
2 1/2	EL79	

\*See Compliances for classification of each product.  
++ Solo para diámetros 1/2", 3/4", 1"



# Uniones universales y Codos especiales a prueba de explosión

Material estándar acero electrogalvanizado  
Para pedir en aluminio agregar sufijo SA

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

Explosionproof  
Dust-Ignitionproof

## Applications:

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

UNA unions are used in conduit and fitting installations when entrance angle is between 90° and 180°.

EL elbows are installed in conduit run or in box or fitting hub:

- To change direction in threaded rigid conduit run by 90°, or when terminating at a box or fitting

## Features:

UNY, UNF and UNL unions have:

- Compact design which permits assembly with a minimum of clearance to other adjacent conduit and/or equipment
- Strong and durable construction

UNA unions:

- Have a single clamping nut on angle, making it both a union and a connector
- Permit conduit joints at angles between 90° and 180°

EL elbows have a smooth interior and are both strong and compact.

## Certifications and Compliances:

- NEC/CEC:

Class I, Division 1 & 2, Groups A, B, C, D

Class II, Division 1, Groups E, F, G

Class II, Division 2, Groups F, G

Class III

EL 1/2", 3/4", 1"

UNF/UNY 105, -215, -205, -305

UNL 105, -125, -215, -205

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

UNF/UNY406, -506,

-606, -706, -806,

-905, -1005

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

EL, UNF, UNL, UNY - all sizes

Class I, Division 1 & 2, Group D

Class II, Division 1, Groups E, F, G

Class II, Division 2, Groups F, G

Class III

UNA

- UL Standard: 886

- CSA Standard: C22.2 No. 30

†See compliances for classification of each product.

## Standard Materials:

- UNY, UNF unions – 1/2" to 1" – steel
- UNY, UNF unions – 1 1/4" to 6" – Feraloy® iron alloy
- UNL, UNA unions – Feraloy iron alloy
- EL elbows – Feraloy iron alloy or ductile iron

## Standard Finishes:

- Steel – electrogalvanized with chromate treatment
- Feraloy iron alloy, malleable iron – electrogalvanized and aluminum acrylic paint

## Options:

Description	Suffix
Copper-free aluminum	SA
Not available on UNA or 5" and 6" UNY/UNF	

## UNL

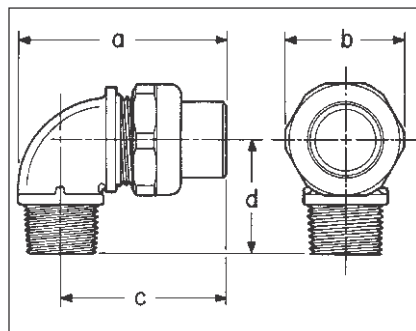


### 90° Angle

Size	Cat. #
1/2 to 1/2	UNL105
3/4 female to 1/2 male	UNL125
1/2 female to 3/4 male	UNL215
3/4 to 3/4	UNL205

## Dimensiones

En pulgadas:



## UNY Hembra Macho UNF Hembra Hembra



1/2" - 4"



1/2" - 4"



5" - 6"



5" - 6"

Size	Cat. #	Size	Cat. #
1/2	UNY105	1/2	UNF105
1/2 female to 3/4 male	UNY215	3/4 to	UNF215
3/4	UNY205	3/4	UNF205
1	UNY305	1	UNF305
1 1/4	UNY405	1 1/4	UNF405
1 1/4	UNY406	1 1/4	UNF406
1 1/2	UNY505	1 1/2	UNF505
1 1/2	UNY506	1 1/2	UNF506
2	UNY605	2	UNF605
2	UNY606	2	UNF606
2 1/2	UNY705	2 1/2	UNF705
2 1/2	UNY706	2 1/2	UNF706
3	UNY805	3	UNF805
3	UNY806	3	UNF806
3 1/2	UNY905	3 1/2	UNF905
4	UNY1005	4	UNF1005
5	UNY012	5	UNF012
6	UNY014	6	UNF014

Size	UNY		UNF	
	Length	Max. Dia.	Length	Max. Dia.
1/2	2 3/8	1 1/2	1 13/16	1 1/2
3/4	2 7/16	1 13/16	1 3/4	1 13/16
1/2	2 7/16	1 13/16	1 3/4	1 13/16
3/4	2 3/4	1 7/8	2	1 7/8
1	3 3/16	2 3/4	2 1/4	2 3/4
1 1/2	3 3/16	3 1/16	2 5/8	3 1/16
2	3 3/4	3 3/16	2 9/16	3 13/16
2 1/2	4 5/8	4 5/8	3 3/16	4 5/8
3	5	5 1/16	3 7/16	5 1/16
3 1/2	5 1/2	5 11/16	4 7/8	5 11/16
4	5 5/8	6 7/16	4 7/8	6 7/16
5	5 1/4	8 3/16	3 13/16	8 3/16
6	5 3/8	9 5/16	3 13/16	9 5/16

## UNL

Dim.	105	125	215	205
a	2 11/16	2 11/16	2 7/8	2 7/8
b	1 17/32	1 13/16	1 13/16	1 13/16
c	2 1/16	2 1/16	2 1/4	2 1/4
d	1 7/16	1 7/16	1 5/8	1 5/8

# Uiones Erickson de propósito general A prueba de concreto

Material estándar hierro nodular electrolgalvanizado

## THREE PIECE CONDUIT COUPLINGS - MALLEABLE IRON

### Applications:

- Used to join two lengths of threaded conduit. Couples conduit when conduit cannot be turned.

### Standard Materials:

- Heavy duty casting

### Standard Finishes:

- Zinc Plated

### Options:

Mechanically galvanized	Suffix HDG
-------------------------	---------------

### Malleable Iron (Concrete Tight)

UL File No. E-19189



Cat. #	Size	Unit Qty.	Wt. Lbs. Per 100
190M	1/2"	25	23
191	3/4"	25	35
192	1"	10	60
193	1 1/4"	5	91
194	1 1/2"	5	167
195	2"	5	215
196	2 1/2"	2	430
197	3"	1	463
198	3 1/2"	1	655
199	4"	1	800
188†	5"	1	1200
189†	6"	1	2100

†Not UL Listed

CP

Material Estandar hierro electrogalvanizado  
Para pedir en aluminio agregar sufijo SA

Cl. I, Div. 1 & 2  
Cl. II, Div. 1  
Cl. II, Div. 2  
Cl. III

Explosionproof  
Dust-Ignitionproof

## Applications:

EYS and EZS 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
- Limit precompression or pressure "piling" in conduit systems

Sealing fittings are required:

- At each entrance to an enclosure housing an arcing or sparking device when used in Class I, Division 1 and 2 hazardous locations. To be located as close as practicable and, in no case, more than 18" from such enclosures
- At each conduit entrance of 2" size or larger to an enclosure or fitting housing terminals, splices or taps when used in Class I, Division 1 hazardous locations. To be located as close as practicable and, in no case, more than 18" from such enclosures
- In conduit systems when leaving Class I, Division 1 or Division 2 hazardous locations
- In cable systems when the cables either do not have a gas/vaportight continuous sheath or are capable of transmitting gases or vapors through the cable core when those cables leave the Class I, Division 1 or Division 2 hazardous locations

## Features:

EYS and EZS sealing fittings include:

- Minimum turning radius
- Large openings with threaded closures to provide easy access to conduit hubs for making dams
- Integral bushings in conduit hubs to protect conductor insulation from damage
- Taper-tapped hubs to ensure ground continuity

EYS sealing fittings are available for installation in either vertical only or in both horizontal or vertical positions.

EZS sealing fittings for installation at any angle; the covers with opening for sealing compound can be properly positioned to accept the compound.

## Certifications and Compliances:

- NEC/CEC:  
EYS11-31, 116-316  
Class I, Division 1 & 2, Groups A, B, C, D  
Class II, Division 1, Groups E, F, G  
Class II, Division 2, Groups F, G  
Class III  
EYS4, 46  
Class I, Division 1 & 2, Groups C, D  
Class II, Division 1, Groups F, G  
Class II, Division 2, Groups F, G  
Class III  
EYS5-10, 56-106  
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 fittings are approved for use in hazardous locations only when Chico® X fiber and Chico A sealing compound or Chico SpeedSeal are used to make the seal.

## Standard Finishes:

- Feraloy iron alloy and ductile iron – electrogalvanized and aluminum acrylic paint
- Steel – electrogalvanized

## Options:

Description

Copper-free aluminum bodies, nipples and enclosures

Suffix

SA

## Size Ranges:

- ½" – 6"

## Ordering Information - EYS

### Use Vertical - Horizontal



Hembra – Hembra  
H - H



Hembra – Macho  
H - M  
Viene con nipple

Approximate Internal  
Volume in Cubic  
Inches

Hub Size	H - H Cat. #	H - M Hub Cat. #	Approximate Internal Volume in Cubic Inches	
			Vertical	Horizontal
½	EYS11	EYS116	1	1
¾	EYS21	EYS216	2	2
1	EYS31	EYS316	3	3¾
1¼	EYS4	EYS46	6	8
1½	EYS5	EYS56	10¾	12¼
2	EYS6	EYS66	19	22¾
2½	EYS7	EYS76	25½	30
3	EYS8	EYS86	56	64½
3½	EYS9	EYS96	72	82
4	EYS10	EYS106	95	110

**NOTA: No olvide pedir por separado el compuesto sellante y la fibra retenedora**

## Standard Materials:

- Bodies – Feraloy® iron alloy and/or ductile iron
- Plugs – Feraloy iron alloy and/or steel

# Compuesto sellante Chico® A

## Fibra retenedora Chico® X

### Para sellos cortafuego y Hubs especiales

#### Applications:

Chico X fiber:

- Forms a dam between the integral bushing of the sealing fitting and the end of the conduit and around the electrical conductors entering the hub

Chico A sealing compound:

- Forms a seal around each electrical conductor and between them and inside of the sealing fitting to restrict the passage of gases, vapors or flames through the sealing fitting at atmospheric pressure and at normal ambient temperatures

#### Features:

Chico A sealing compound:

- A water soluble powder that can be easily mixed and poured. The compound, unusually dense, expands slightly when hardening and bonds to inner walls of sealing fittings. Compound hardens in 60–70 minutes
- Chico A has a 1 year shelf life from date of manufacture.
- Chico A ambient temperature range (after curing) is -40°F to +165°F.

Chico X fiber:

- A mineral wool that packs easily, forming around each conductor
- Chico® SpeedSeal™ Compound:
- Installs a reliable seal in five minutes - every time
  - Hardens to a dense, strong mass that is suitable for Class I, Division 1, Groups C & D and Class II, Division 1, Groups E, F & G hazardous applications.
  - UL and cUL Listed for use with 1/2" to 2" Copper Crouse-Hinds sealing fittings only.
  - Packaged in a 2 oz. or 6 oz. pre-measured cartridge, eliminating the need for measuring before mixing.
  - Packaged with a screw-on nozzle for accurate dispensing.
  - Expands four times its original size in the sealing fitting, eliminating the need to separate the individual conductors with Chico X fiber.
  - Chico X fiber dams are not required in horizontal applications, reducing installation times.
  - Completely hardens in 20 minutes, simplifying use for OEMs.
  - Suitable for cold temperature environments without the costly need to build a temporary shelter around sealing fittings. All ice crystals must be removed from inside the conduit seal before dispensing Chico SpeedSeal compound. The Chico SpeedSeal compound should be kept above 10°C (50°F) prior to mixing. The sealing fitting must be kept at or above 4°C (40°F) during the 4 to 10 minute expansion/gel time of the compound.
  - One year shelf-life.
  - Patent pending.

#### Size Ranges:

- Chico A compound – 1 lb. to 5 lbs. (provides 23–115 cubic inches of compound)
- Chico X fiber – 2 oz. to 1 lb.
- Chico A-P (5 pouches per carton) – provides 25 and 55 cubic inches of compound
- Chico SpeedSeal - 2 oz. or 6 oz. cartridge

Cooper Crouse-Hinds sealing fitting are approved for use in hazardous locations only when Chico X fiber and Chico A Sealing Compound or Chico SpeedSeal are used to make the seal.

#### Ordering Information - Chico A



Net Weight	Vol. Cu. In.†	Cat. #
1 lb.	23	Chico A3
5 lb.	115	Chico A05

†Number of cubic inches this amount will fill when set. See internal volume requirements for EYS, EZS, EYD, EZD and EYSR sealing fittings and ES sealing hubs (see pages 146–155).

#### Ordering Information - Chico X Fiber



Net Weight	Cat. #
1 lb.	Chico X7

#### Chart for Approximate Amount of Fiber Per Hub

Hub Size	Ozs. Required
1/2	1/32
3/4	1/16
1	1/8
1 1/4	1/4
1 1/2	1/2
2	1
2 1/2	1 1/2
3	2
3 1/2	3
4	4 1/2
5	7
6	10

**NOTA: No olvide consultar la herramienta en excel para calcular la cantidad exacta requerida, de acuerdo a la cantidad de sellos cortafuego a emplear.**

# 5F Acoples flexibles a prueba de explosión (importados)

De 1/2" hasta 2": Material estandar en bronce latón. Para pedir en acero inoxidable adicionar Sufijo S516

De 2-1/2" hasta 4": Material estandar en acero inoxidable

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

Explosionproof  
Dust-Ignitionproof  
Wet Locations

5F

## Applications:

EC couplings are used:

- In hazardous areas where a flexible member is required in a conduit system to accomplish difficult bends, or to allow for movement or vibration of connected equipment or units

## Features:

- Rugged design to withstand explosive pressure (Class I)
- Mechanical abuse
- Liquid-tight for wet locations
- For use where lack of space makes use of rigid conduit difficult
- Wire duct liner in sizes 1/2" to 2" insulates against grounds and burn-through from short circuit
- No bonding jumpers required, metallic braid provides continuous electrical path
- ECGJH combination has two threaded male end fittings
- ECLK combination has one female union and one male threaded end fitting

## Certifications and Compliances:

- NEC:
  - 1/2" and 3/4" (Brass and S516) – Class I, Division 1 & 2, Groups A, B, C, D
  - 1" to 2" (Brass and S516) – Class I, Division 1 & 2, Groups C, D
  - 2 1/2" to 4" (Stainless Steel) – Class I, Division 1 & 2, Groups C, D
- All sizes also for use in Class II, Division 1, Groups E, F, G, Division 2, Groups F, G and Class III

- UL Standard: 886

## Standard Materials:

- End fittings:
  - 1/2" to 2" – forged brass
  - 2 1/2" to 4" – stainless steel
- Female unions:
  - 1/2" to 1" – steel
  - 1 1/4" to 4" – Feraloy® iron alloy
- 1/2" to 2" have bronze braid covering and flexible brass inner core; packing is woven cotton braid impregnated with asphalt
- 2 1/2" to 4" have a Type 304 stainless steel braid

## Standard Finishes:

- Brass and bronze – natural
- Steel – electrogalvanized with chromate treatment
- Feraloy iron alloy – electrogalvanized with aluminum acrylic paint
- Stainless steel – natural

## Options:

Description Suffix  
All stainless steel 1/2" to 2" S516  
For severely corrosive locations, a flexible PVC protective coating will be supplied S758  
Special coupling lengths available up to 144 inches. To order, change last two digits in any standard catalog number to the two or three digit length desired in whole inches i.e. To order a 3/4" trade size 110 inches long, use catalog number ECGJH2110.



## ECGJH (Conexión Macho - Macho)

Flexible Length (In.)	Size	Cat. #	Flexible Length (In.)	Size	Cat. #	Flexible Length (In.)	Size	Cat. #
4	1/2	ECGJH14	18	1	ECGJH318	27	2 1/2	ECGJH727
4	3/4	ECGJH24	18	1 1/4	ECGJH418	27	3	ECGJH827
6	1/2	ECGJH16	18	1 1/2	ECGJH518	27	4	ECGJH1027
6	3/4	ECGJH26	18	2	ECGJH618	30	1/2	ECGJH130
6	1	ECGJH36	18	2 1/2	ECGJH718	30	3/4	ECGJH230
8	1/2	ECGJH18	18	3	ECGJH818	30	1	ECGJH330
8	3/4	ECGJH28	18	4	ECGJH1018	30	1 1/4	ECGJH430
8	1	ECGJH38	21	1/2	ECGJH121	30	1 1/2	ECGJH530
10	1/2	ECGJH110	21	3/4	ECGJH221	30	2	ECGJH630
10	3/4	ECGJH210	21	1	ECGJH321	30	2 1/2	ECGJH730
10	1	ECGJH310	21	1 1/4	ECGJH421	30	3	ECGJH830
12	1/2	ECGJH112	21	1 1/2	ECGJH521	30	4	ECGJH1030
12	3/4	ECGJH212	21	2	ECGJH621	33	1/2	ECGJH133
12	1	ECGJH312	21	2 1/2	ECGJH721	33	3/4	ECGJH233
12	1 1/4	ECGJH412	21	3	ECGJH821	33	1	ECGJH333
12	1 1/2	ECGJH512	21	4	ECGJH1021	33	1 1/4	ECGJH433
12	2	ECGJH612	24	1/2	ECGJH124	33	1 1/2	ECGJH533
12	2 1/2	ECGJH712	24	3/4	ECGJH224	33	2	ECGJH633
12	3	ECGJH812	24	1	ECGJH324	33	2 1/2	ECGJH733
12	4	ECGJH1012	24	1 1/4	ECGJH424	33	3	ECGJH833
15	1/2	ECGJH115	24	1 1/2	ECGJH524	33	4	ECGJH1033
15	3/4	ECGJH215	24	2	ECGJH624	36	1/2	ECGJH136
15	1	ECGJH315	24	2 1/2	ECGJH724	36	3/4	ECGJH236
15	1 1/4	ECGJH415	24	3	ECGJH824	36	1	ECGJH336
15	1 1/2	ECGJH515	24	4	ECGJH1024	36	1 1/4	ECGJH436
15	2	ECGJH615	27	1/2	ECGJH127	36	1 1/2	ECGJH536
15	2 1/2	ECGJH715	27	3/4	ECGJH227	36	2	ECGJH636
15	3	ECGJH815	27	1	ECGJH327	36	2 1/2	ECGJH736
15	4	ECGJH1015	27	1 1/4	ECGJH427	36	3	ECGJH836
18	1/2	ECGJH118	27	1 1/2	ECGJH527	36	4	ECGJH1036
18	3/4	ECGJH218	27	2	ECGJH627			

## NOTA:

Para formar acoples Hembra – Macho, adicionar una unión universal H-H tipo UNF.

# Reducciones y Taponos a prueba de explosión

Material estandar hierro electrogalvanizado  
Para pedir en aluminio agregar sufijo SA (+\*)

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

Explosionproof  
Dust-Ignitionproof

5F

## Applications:

- RE and REC reducers are used in threaded heavy wall conduit systems.
- RE reduces conduit hubs to a smaller size.
- REA adapters enlarge drilled and tapped openings by 1 NPT 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:

RE reducers have:

- Integral bushing which prevents damage to wires
- Full, clean cut tapered threads

REC reducers have:

- Integral bushings in both ends which prevents damage to wires
- Funnel shaped interior to guide the wires from large to small conduit, making it easy to pull wire

REA adapters have:

- Smooth integral bushing to protect wire insulation
- Knurled body for easy wrenching

PLG plugs:

- Have clean tapered threads
- Are available in two styles, flush (recessed), or square head type

## Certifications and Compliances:

• NEC/CEC:

Class I, Division 1 & 2,  
Groups A, B, C, D

Class II, Division 1, Groups E, F, G

Class II, Division 2, Groups F, G

Class III

(see listings for specific Cat. Nos. suitable for Groups A or B)

- UL Standard: 886
- CSA Standard: C22.2 No. 30

## Standard Materials:

- RE reducers – RE1108 through RE54 in steel; all others in Feraloy® iron alloy
- REA adapters – steel
- REC reducers – REC21 and REC32 in steel; all others in Feraloy iron alloy
- PLG plugs – Feraloy iron alloy and/or steel

## Standard Finishes:

- Feraloy iron alloy – electrogalvanized and aluminum acrylic paint
- Steel – electrogalvanized with chromate treatment

## Options:

Description Suffix  
Copper-free aluminum SA

## RE Bushing



Size	Hierro
1/2 - 1/6	RE1108*
1/2 - 1/4	RE1208*
1/2 - 3/8	RE1308
3/4 - 1/2	RE21†
1 - 1/2	RE31†
1 - 3/4	RE32†
1 1/4 - 1/2	RE41†
1 1/4 - 3/4	RE42†
1 1/4 - 1	RE43†
1 1/2 - 1/2	RE51†
1 1/2 - 3/4	RE52†
1 1/2 - 1	RE53†
1 1/2 - 1 1/4	RE54†
2 - 1/2	RE61†
2 - 3/4	RE62†
2 - 1	RE63†
2 - 1 1/4	RE64†
2 - 1 1/2	RE65†
2 1/2 - 1	RE73†
2 1/2 - 1 1/4	RE74†
2 1/2 - 1 1/2	RE75†
2 1/2 - 2	RE76†
3 - 1	RE83†
3 - 1 1/4	RE84†
3 - 1 1/2	RE85†
3 - 2	RE86†
3 - 2 1/2	RE87†
3 1/2 - 2	RE96†
3 1/2 - 2 1/2	RE97†
3 1/2 - 3	RE98†
4 - 2	RE106†
4 - 2 1/2	RE107†
4 - 3	RE108†
4 - 3 1/2	RE109†
5 - 4	RE01210
6 - 5	RE01412

## REC Copa



Large Hub Size	Small Hub Size	Hierro
3/4	1/2	REC21†
1	1/2	REC31†
1	3/4	REC32
1 1/4	3/4	REC42
1 1/4	1	REC43
1 1/2	3/4	REC52
1 1/2	1	REC53
1 1/2	1 1/4	REC54
2	3/4	REC602
2	1	REC603
2	1 1/4	REC604
2	1 1/2	REC605
2 1/2	1 1/2	REC75
3	2	REC86
3 1/2	2 1/2	REC97*
4	3	REC108*
5	4	REC01210*

## REA Acople



Male Hub Size	Female Hub Size	Hierro
1/2	3/4	REA12†
3/4	1	REA23†
1	1 1/4	REA34†

## TAPONES PLG



Cuadrante Interno

Size	Hierro
1/4	PLG28†
1/2	PLG1†
3/4	PLG2†
1	PLG3†
1 1/4	PLG4†
1 1/2	PLG5†
2	PLG6†
2 1/2	PLG7†
3	PLG8†
3 1/2	PLG9†
4	PLG10†

\*Not available in aluminum.

†Suitable for use in Class I, Groups A and B areas.

# Hubs Myers Antivibración de propósito general

Material estándar aluminio



## Applications:

- Myers™ Scru-tite® and Ground hub are used in the termination of electrical circuits through wall of the enclosure
- Ideal for pharmaceutical, chemical and food processing, pulp/paper and nuclear industries.
- Resistant to a variety of chemicals, including acetic, citric and salt water.
- The O-ring is a special "Viton (75)" and has excellent chemical resistance.
- Hub is provided with a stainless steel ground nut.

## Features:

- Vibration proof
- Grounding screw for added safety
- Captive o-ring gasket
- No welding
- Posi-Lok insulated throat (insuliner)
- Fit standard knockouts
- Easy installation
- Controlled thread lengths
- NPSL on male thread
- No sharp edges (along parting line)

## Certifications and Compliances:

- NEC/CEC:
  - Class I, Division 2
  - Class II, Division 1 & 2
  - Class III, Division 1 & 2
- UL Listed – UL Standard 514B
- CSA Certified – Certified by UL to CSA standard C22.2 No. 18
- NEMA Type 2, 3, 3R, 4, 4X, 12 (std hub)
- NEMA Type 2, 3, 3R, 4, 4X, 12 (ground hub)

## Standard Materials:

- Nut: Zamek-2, Zamek-3, Aluminium (Al 360), Stainless (316)
- Body: Zamek-2, Zamek-3, Aluminium (Al 360), Stainless (316)
- Insuliner: Lexan
- O-Ring: Gasket Vi Ton
- Ground Screw: Steel

## Standard Finishes:

- Aluminum: Natural
- Zinc: Natural

## Optional Materials and Finishes:

- Stainless: Natural
- Zinc: Chrome-plate



Hub con polo a tierra  
NEMA 2, 3, 3R, 4, 4X and 12  
Aluminum – Type 360

Cat. #	Size	Unit Qty.	Wt. Lbs. Per 100	Max. Copper Grd. Wire Size	
				CSA	UL
STAG-1	1/2"	25	10	#8	#8
STAG-2	3/4"	25	14	#8	#8
STAG-3	1"	25	18	#8	#8
STAG-4	1 1/4"	10	25	#8	#8
STAG-5	1 1/2"	10	33	#6	#8
STAG-6	2"	10	45	#4	#8
STAG-7	2 1/2"	5	90	#2	#6
STAG-8	3"	2	125	1 / 0	#6
STAG-9	3 1/2"	2	138	2 / 0	#6
STAG-10	4"	2	150	2 / 0	#4
STAG-11	5"	1	325	3 / 0	#2
STAG-12	6"	1	350	3 / 0	#1

Hub sin polo a tierra – NEMA 2, 3, 3R, 4, 4X and 12  
UL File No. E-27258



Cat. #	Size	Unit Qty.	Wt. Lbs. Per 100		
				CSA	UL
STA 1	1/2"	25	8		
STA 2	3/4"	25	16		
STA 3	1"	25	16		
STA 4	1 1/4"	10	30		
STA 5	1 1/2"	10	30		
STA 6	2"	10	50		
STA 7	2 1/2"	5	80		
STA 8	3"	2	100		
STA 9	3 1/2"	2	150		
STA 10	4"	2	150		
STA 11	5"	1	300		
STA 12	6"	1	300		

# Hubs Myers Antivibración de propósito general

Material Estandar Aluminio

## SCHEDULE OF DIMENSIONS

Pipe Size	Cat. #	A	B	C	D	E		F	G	H	J "O" Ring		K	
						Min.	Max.				C.S.	O.D.	Min.	Max.
1/4	ST 02	1 3/2	1 5/16	2 1/32	1/8	.350	.364	1/4 NPT	1/4 NPS	60°	3/21	3/4	35/64	9/16
3/8	ST 03†	1 3/2	1 1/8	2 1/32	1/8	.468	.493	3/8 NPT	3/8 NPS	60°	3/32	15/16	43/64	1 1/16
1/2	ST 1†	1 11/32	1 7/16	1 13/16	3/16	.591	.622	1/2 NPT	1/2 NPS	60°	1/8	1 1/2	55/64	7/8
3/4	ST 2†	1 15/32	1 23/32	2 29/32	3/16	.783	.824	3/4 NPT	3/4 NPS	60°	1/8	1 7/16	1 1/16	1 1/8
1	ST 3†	1 21/32	2	1 1/32	1/4	.997	1.049	1 NPT	1 NPS	60°	1/8	1 3/4	1 21/64	1 3/8
1 1/4	ST 4†	1 11/16	2 3/8	1 1/32	1/4	1.311	1.380	1 1/4 NPT	1 1/4 NPS	60°	1/8	2 1/8	1 43/64	1 3/4
1 1/2	ST 5†	1 11/16	2 3/4	1 1/32	1/4	1.529	1.610	1 1/2 NPT	1 1/2 NPS	60°	1/8	2 1/2	1 59/64	2
2	ST 6†	1 3/4	3 1/4	1 1/32	1/4	1.964	2.067	2 NPT	2 NPS	60°	1/8	3	2 25/64	2 1/2
2 1/2	ST 7†	2 1/32	3 3/4	1 1/32	1/4	2.346	2.469	2 1/2 NPT	2 1/2 NPS	60°	1/8	3 1/2	2 57/64	3
3	ST 8	2 9/16	4 3/8	1 1/8	1/4	2.915	3.068	3 NPT	3 NPS	45°	1/8	4 1/8	3 33/64	3 5/8
3 1/2	ST 9	2 7/8	5	1 7/16	1/4	3.371	3.548	3 1/2 NPT	3 1/2 NPS	45°	1/8	4 5/8	4 1/64	4 1/8
4	ST 10	2 7/8	5 1/2	1 1/2	1/4	3.825	4.026	4 NPT	4 NPS	45°	1/8	5 1/8	4 33/64	4 5/8
5	ST 11*	2 15/16	6 7/8	2	1/4	4.795	5.047	5 NPT	5 NPS	45°	1/8	6 1/2	5 27/64	5 11/16
6	ST 12*	3	7 11/16	2	5/16	5.762	6.065	6 NPT	6 NPS	45°	1/8	7 1/4	6 41/64	6 3/4

\*Not supplied with insulator.

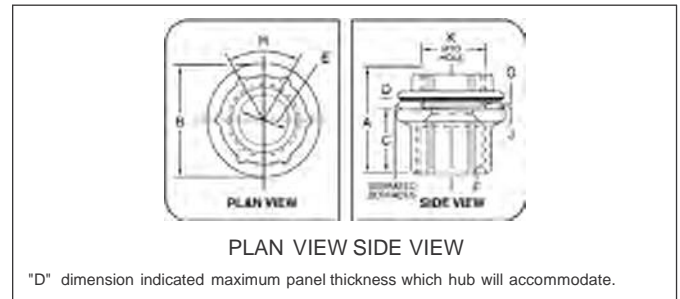
Conduit Hubs

### Options:

Description Suffix  
 † Optional Nickel-Chrome Plate Finish. See price list. -CP

Tolerance	Cat. #	Material
Decimal	+/- .010	ST Zinc
Fractional	+/- 1/16	STA Aluminium
Angular & Draft	+/- 2°	SSTG Stainless

Dimensions and materials specified are subject to change without prior



## SPACING CHART FOR MYERS HUBS

### CONDUIT OR PIPE SIZE

HOLE SIZE.	COND. SIZE.	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	3 1/2	4	5	6
9/16	1/4	1 1/16													
1 1/16	3/8	1 5/32	1 1/4												
7/8	1/2	1 5/16	1 13/32	1 9/16											
1 1/8	3/4	1 11/16	1 17/32	1 11/16	1 13/16										
1 3/8	1	1 9/32	1 11/16	1 127/32	1 31/32	2 1/8									
1 3/4	1 1/4	1 25/32	1 7/8	2 1/32	2 5/32	2 9/16	2 1/2								
2	1 1/2	1 31/32	2 1/16	2 1/32	2 11/32	2 1/2	2 11/16	2 7/8							
2 1/2	2	2 1/32	2 5/16	2 15/32	2 19/32	2 3/4	2 15/16	3 1/8	3 3/8						
3	2 1/2	2 15/32	2 9/16	2 23/32	2 27/32	3	3 1/16	3 3/8	3 5/8	3 7/8					
3 3/8	3	2 25/32	2 7/8	3 1/32	3 5/32	3 9/16	3 1/2	3 11/16	3 15/16	4 3/16	4 1/2				
4 1/8	3 1/2	3 3/32	3 3/16	3 11/32	3 15/32	3 5/8	3 13/16	4	4 1/4	4 1/2	4 13/16	5 1/8			
4 3/8	4	3 11/32	3 7/16	3 19/32	3 23/32	3 7/8	4 1/16	4 1/4	4 1/2	4 3/4	5 1/16	5 3/8	5 3/4		
5 11/16	5	4 1/32	4 1/8	4 9/32	4 13/32	4 9/16	4 3/4	4 15/16	5 1/16	5 1/8	5 1/16	5 3/4	6 1/16	6 3/16	7 1/8
6 3/4	6	4 13/32	4 1/2	4 21/32	4 25/32	4 15/16	5 1/8	5 5/16	5 9/16	5 13/16	6 1/8	6 1/16	6 11/16	7 3/8	7 3/4
		1 9/32	1 1/16	2 1/32	3 1/32	1 1/8	1 5/16	1 1/2	1 3/4	2	2 5/16	2 5/8	2 7/8	3 3/16	3 15/16

Minimum space from center of pipe or conduit to nearest obstruction.

- Dimensions in dark gray shaded squares are centers for conduits of same size.  
 Example: How close may 3 conduits be spaced?  
 Answer 4 1/2"
- Dimensions in lighter gray shaded squares are for centers of conduits NOT of the same size.  
 Example: What is the minimum spacing for 2" and 3/4" conduit?  
 Read down column marked 3/4" to figure opposite 2" and find dimensions is 2 11/32".
- Minimum spacing dimensions as shown will give approximately 1/8" clearance between locking nuts.



# Hubs de propósito general

Material estandar hierro electrogalvanizado

## CONDUIT HUBS - MALLEABLE IRON Applications:

- Ideal for terminating electrical conduit through the walls of enclosures.
- Designed for use indoors or outdoors with rigid conduit and IMC, specific applications include food processing plants, distilleries, breweries, sewage disposal plants, chemical plants, paper processing mills and refineries.

## Features:



- Male thread type
- Tapered female thread for rigid conduit and IMC
- Recessed O-ring gasket assures raintight and secure environmental connections
- Insulated throat provides smooth pulling surface
- Locking screw on the nut doubles as a grounding screw for added safety
- Complete size range from 1/2" to 6"
- Hubs fit standard knockouts. No special tools required

## Certifications and Compliances:

- Class I, Division 2
- Class II, Divisions 1 & 2
- Class III, Divisions 1 & 2
- UL Listed – UL Standard 514B
- cUL Listed – Certified by UL to CSA Standard C22.2 No. 18
- NEMA: FB-1
- Suitable for wet locations



## Options:

Mechanically galvanized	Suffix HDG
	

Cat. #	Trade Size	Unit Qty.	Wt. Lbs. Per 100
MHUB1	1/2"	25	18
MHUB2	3/4"	25	25
MHUB3	1"	5	50
MHUB4	1 1/4"	5	25
MHUB5	1 1/2"	2	20
MHUB6	2"	1	10
MHUB7	2 1/2"	1	10
MHUB8	3"	1	5
MHUB9	3 1/2"	1	5
MHUB10	4"	1	2
MHUB11	5"	1	1
MHUB12	6"	1	1

# Válvulas de Drenaje y Respiro a prueba de explosión

Material estandar acero inoxidable

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

## 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

## 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
  - IP42 IIB (ECD 15 only)
  - 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

## Size Ranges:

- 1/4" to 1/2"



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 "Universal" Drain or Breather

Size	Cat. #
1/2	ECD15

†Shorter overall length than ECD15 and ECD385. For use in confined spaces such as panelboard assemblies.

**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	SA



**Ordering Information**

Size	Cat. #
1/2"	CD1
3/4"	CD2

**NEMA 4X**  
**Válvula de drenaje y respiro**  
ATEX and CENELEC Range

I M2 II 2GD, E Exe I & II  
(Stainless Steel & Brass only)  
II 2GD, E Exe II (Nylon version)  
CSA Class I, Division 2, Groups  
A, B, C & D, Exe II

Enclosure Type 4X  
IP66

**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

**Ordering Information**

Typo de acceso	Material	Cat. #
M20	Bronce	ACDPEB/M20/15
M20	Acero inoxidable	ACDPES/M20/15
M20	Nylon	ACDPEN/M20/15
M25	Bronce	ACDPEB/M25/15
M25	Acero inoxidable	ACDPES/M25/15
M25	Nylon	ACDPEN/M25/15
1/2" NPT	Bronce	ACDPEB/050NPT/15
1/2" NPT	Acero inoxidable	ACDPES/050NPT/15
3/4" NPT	Bronce	ACDPEB/075NPT/15
3/4" NPT	Acero inoxidable	ACDPES/075NPT/15

**Operating Temperature:**

- -50°C to +85°C

### Applications:

Cable glands and cord fittings:

- Provide means for passing a cord, cable (armored or unarmored) or flexible conduit into an enclosure, through a bulkhead or into a rigid conduit
- Form a mechanical grip and water and/or oil resistant seal for cord and unarmored or jacketed armored, round cables
- Form a non-slip connection or termination for flexible cord, cable (armored or unarmored), or flexible conduit
- Provide grounding continuity for cable armor and flexible conduit

Cable glands with sealing fitting or epoxy are installed to:

- Provide means for passing armored, metal clad, jacketed or unjacketed and unarmored cables through a bulkhead or enclosure in hazardous areas. These fittings are suitable for use in Class I, Groups C, D, locations only when Chico® A sealing compound or TSC epoxy (TMCX) is used to make the seal in the fitting.\*
- Form a mechanical grip and water and/or oil-resistant termination
- Provide ground continuity of cable armor and flexible conduit

TMC (non-hazardous) and TMCX (hazardous) fittings are designed for use with Type MC jacketed steel or aluminum metal clad cables with interlocked or corrugated armor and Type TC tray cable (TMCX).

LCC cable tray conduit clamps are used for installation on cable tray side rails with inside flanges (requiring inside tray mounting) and outside flanges; LCCF clamps are for use exclusively on inside flanges. LCC/LCCF series cable tray conduit clamps are installed to:

- Provide a means of clamping metal conduit (rigid steel or aluminum, IMC and EMT) to cable tray for the exit of power and/or control cables from tray
- Provide a means to firmly bond exiting conduit to cable tray for best grounding continuity

TW series THRU-WALL BARRIER® cable/conduit sealing devices are installed to:

- Seal cables or conduits penetrating fire-rated walls, ceilings or floors
- Restrict entrance of water and dust and contain treated air
- Provide a seal for cable/conduit penetrations through steel, masonry or concrete; to restrict the entrance of contaminants through cable/conduit penetrations into clean areas

TGC cable tray grounding conductor clamp provides a means for securely attaching a grounding conductor to cable tray to provide grounding continuity for the entire tray system. TGC cable tray grounding conductor clamps provide a reliable method for carrying ground fault current for equipment protection. TGC clamp may be installed on most types of cable trays – with inside or outside flanges.

### Considerations for Selection:

- Selection of the proper cable gland involves consideration of the type of cable to be installed and the environment that will surround the cable after installation.
- A proper matching of the cable and its gland is necessary to prevent physical damage to the cable when installed. Some types of cable glands depend on gripping methods (set screws etc.) which may lead to damage of the cable outer covering. Cooper Crouse-Hinds cable glands and cord fittings utilize compression of split lead or tapered neoprene bushings to provide high gripping strength for adequate cable support and strain relief without damage to the cable sheath.
- Compression of bushing provides a strong electrical bond that assures grounding continuity.
- Compression of a tapered neoprene bushing, assures the watertight integrity of Cooper Crouse-Hinds cable glands. Additional watertightness, to prevent water seepage into the fitting body, can be obtained by use of a potting head filled with a hot pouring compound.
- To meet National Electrical Code requirements for electrical installations in hazardous atmospheres, a sealing fitting may be required in conjunction with the cable or cord fitting.

\*With specific cords and cables when installed in accordance with NEC/CEC requirements.

# Prensaestopas de propósito general CGB

cULus Listed

4F

Material estandar acero electrogalvanizado.  
Para pedir en aluminio agregar sufijo SA (+)

## Gland Type

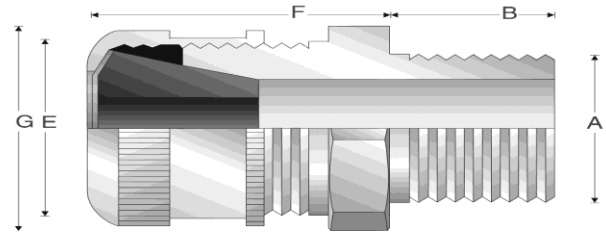
Non-armoured

## Cable Type

Non-armoured and tray cable

## Certifications and Compliances:

- cULus Listed - UL File E23223



## Features:

- Form A - D bodies and gland nuts – steel with zinc electroplate and chromate finish coat
- Form E - F bodies and gland nuts – Feraloy® iron alloy with electrogalvanized and aluminum acrylic paint
- Weatherproof seal on outer sheath of cable
- Standard neoprene seal suitable for use in operating temperatures -25° to 40°C
- Available with NPT threads
- Available in all aluminum construction
- See page 105 for related accessories

### ORDERING EXAMPLE:

**CGB192 -SG**

Gland Type Options

### OPTIONS (add after gland type):

-SG Sealing Gasket\* – only applies to certain sizes  
(e.g., CGB192-SG)

-SA Aluminum Construction† – only applies to certain sizes  
(e.g., CGB114-SA)

## SELECTION TABLE

Entry Thread Size 'A'		Form	Thread Length 'B' NPT	Cable Acceptance		Gland Length 'F' (less entry)	External Diameter 'G'	Hexagon Dimensions	
NPT Size	NPT Catalog #			Outer Sheath 'E'				Across Flats	Across Corners 'G'
				Min	Max				
3/8"	CGB3814	A	0.438	0.125	0.250	1.063	-	0.750	0.875
3/8"	CGB3816	A	0.438	0.250	0.375	1.063	-	0.750	0.875
3/8"	CGB3817	A	0.438	0.375	0.437	1.063	-	0.750	0.875
3/8"	CGB3892	B	0.438	0.125	0.250	1.313	-	1.000	1.188
3/8"	CGB3893	B	0.438	0.250	0.375	1.313	-	1.000	1.188
3/8"	CGB3894	B	0.438	0.375	0.500	1.313	-	1.000	1.188
1/2"	CGB114†	A	0.625†	0.125	0.250	1.000	-	0.875	1.188
1/2"	CGB116†	A	0.625†	0.250	0.375	1.000	-	0.875	1.188
1/2"	CGB117†	A	0.625†	0.375	0.437	1.000	-	0.875	1.188
1/2"	CGB192*†	B	0.750*†	0.125	0.250	1.313	-	1.000	1.188
1/2"	CGB193*†	B	0.750*†	0.250	0.375	1.313	-	1.000	1.188
1/2"	CGB194*†	B	0.750*†	0.375	0.500	1.313	-	1.000	1.188
1/2"	CGB195*†	B	0.750*†	0.500	0.625	1.313	-	1.000	1.188
1/2"	CGB196*	C	0.625*	0.625	0.750	1.750	-	1.500	1.656
1/2"	CGB197*†	C	0.625*†	0.750	0.875	1.750	-	1.500	1.656
3/4"	CGB292†	B	0.625†	0.125	0.250	1.375	-	1.060	1.250
3/4"	CGB293†	B	0.625†	0.250	0.375	1.375	-	1.060	1.250
3/4"	CGB294†	B	0.625†	0.375	0.500	1.375	-	1.060	1.250
3/4"	CGB295†	B	0.625†	0.500	0.625	1.375	-	1.060	1.250
3/4"	CGB296*†	C	0.625*†	0.625	0.750	1.750	-	1.630	1.656
3/4"	CGB297*†	C	0.625*†	0.750	0.875	1.750	-	1.630	1.656
3/4"	CGB298*†	D	0.625*†	0.875	1.000	2.500	2.250	-	-
1"	CGB393†	B	0.688†	0.250	0.375	1.375	-	1.375	1.625
1"	CGB394†	B	0.688†	0.375	0.500	1.375	-	1.375	1.625
1"	CGB395*†	C	0.688*†	0.500	0.625	1.688	-	1.500	1.875
1"	CGB396*†	C	0.688*†	0.625	0.750	1.688	-	1.500	1.875
1"	CGB397*†	C	0.688*†	0.750	0.875	1.688	-	1.500	1.875
1"	CGB3239†	C	0.688†	0.875	1.000	1.688	-	-	1.875
1"	CGB398*†	D	0.625*†	0.875	1.000	2.375	2.375	-	-
1"	CGB399*†	D	0.625*†	1.000	1.188	2.375	2.375	-	-
1"	CGB3911*†	D	0.625*†	1.188	1.375	2.375	2.375	-	-

All dimensions in inches unless otherwise noted.

\*With optional Sealing Gasket.

†With optional Aluminum Construction.

# 4F Prensaestopas de propósito general

## CGB

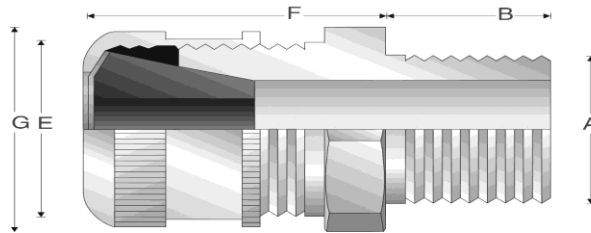
cULus Listed

Material estandar acero electrogalvanizado.

Para pedir en aluminio agregar sufijo SA (+)

4F

Entry Thread Size 'A'		Form	Thread Length 'B' NPT	Cable Acceptance		Gland Length 'F' (less entry)	External Diameter 'G'	Hexagon Dimensions	
NPT Size	NPT Catalog #			Outer Sheath 'E'				Across Flats	Across Corners 'G'
				Min	Max				
1 1/4"	CGB498	D	0.688	0.875	1.000	2.313	2.250	-	-
1 1/4"	CGB499	D	0.688	1.000	1.188	2.313	2.250	-	-
1 1/4"	CGB4911	D	0.688	1.188	1.375	2.313	2.250	-	-
1 1/2"	CGB4913	E	0.688	1.375	1.625	2.625	3.000	-	-
1 1/4"	CGB4915	E	0.688	1.625	1.875	2.625	3.000	-	-
1 1/2"	CGB598	D	0.813	0.875	1.000	2.313	2.250	-	-
1 1/2"	CGB599	D	0.813	1.000	1.188	2.313	2.250	-	-
1 1/2"	CGB5911	D	0.813	1.188	1.375	2.313	2.250	-	-
1 1/2"	CGB5913	E	0.813	1.375	1.625	2.625	3.000	-	-
1 1/2"	CGB5915	E	0.813	1.625	1.875	2.625	3.000	-	-
2"	CGB6913	E	0.813	1.375	1.625	2.625	3.000	-	-
2"	CGB6915	E	0.813	1.625	1.875	2.625	3.000	-	-
2"	CGB6917	F	0.813	1.875	2.188	2.563	3.750	-	-
2"	CGB6920	F	0.813	2.188	2.500	2.563	3.750	-	-
2 1/2"	CGB7913	E	1.000	1.375	1.625	2.625	3.125	-	-
2 1/2"	CGB7915	E	1.000	1.625	1.875	2.625	3.125	-	-
2 1/2"	CGB7917	F	1.000	1.875	2.188	2.625	3.750	-	-
2 1/2"	CGB7920	F	1.000	2.188	2.500	2.625	3.750	-	-
3"	CGB8917	F	1.000	1.875	2.188	2.625	3.750	-	-
3"	CGB8920	F	1.000	2.188	2.500	2.625	3.750	-	-



# 4F Prensaestopas a prueba de explosión y seguridad aumentada

## ADE 4F

Para cable armado SWA, SWB, STA, BMS

Material estandar bronce niquelado plateado

ATEX  
IECEX  
cULus listed for Class I Zone 2  
cULus Marine listed for Class I, Zone 1  
NEMA 4X and IP68

CEPEL  
GOST-R  
NEPSI

4F

### Gland Type:

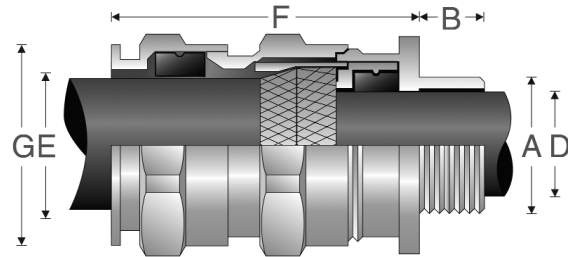
Armoured

### Cable Type:

Steel wire armoured, steel wire braided, steel tape armoured, braided marine shipboard and lead sheathed (with addition of earthing washer)

### Certifications and Compliances:

- ATEX LCIE 97 ATEX 6008X – Exd IIC/Exe II/Ex td/Ex II 2 GD
- IECEX LCI 05.0004X
- cULus listed for Class I, Zone 2 AEx e II/Ex e II E310130
- cULus Marine listed for Class I, Zone 1 AEx e II/Ex e II E314047
- NEMA 4X and IP68
- CEPEL cepel-EX-559/05X
- GOST-R POCC FR.B02011
- NEPSI N° GYJ071336U & GYJ071337U



### Features:

- Standard material is nickel-plated brass for superior corrosion resistance
- Armour clamping and bonding with no reversible components for easy installation, minimizing error
- Provides flameproof seal on inner jacket and weatherproof seal on outer sheath of cable
- Optional earthing washer for use with lead sheathed cable (see page 99)
- Standard neoprene seal suitable for use in operating temperatures ATEX (-60°C to 100°C), IECEX and cULus (-40°C to 100°C)
- Available with optional silicone seal for extreme temperatures
- Available with metric or NPT threads
- See pages 98–101 for related accessories

ORDERING EXAMPLE:	OPTIONS (replace last digit with option number):
<b>CAP84640 4</b>	9 Stainless steel (316L)
Gland Type      Options	8 Bronze
	7 Aluminum
	5 Silicone sealing ring with temperature range of -70° C to 220° C

### SELECTION TABLE

Gland Size	Entry Thread Size 'A'				Thread Length 'B' Metric (NPT)	Cable Acceptance				Armour (max)	Gland Length 'F' (less entry)	Hexagon Dimensions	
	Metric Size	Metric Catalog #	NPT Size	NPT Catalog #		Inner Sheath 'D'		Outer Sheath 'E'				Across Flats	Across Corners 'G'
						Min	Max	Min	Max				
5	M12	CAP846404	¼"	CAP848404	15 (12.0)	4.0	8.0	6.0	12.0	0.9	36	-	20.9
5	M16	CAP846594	⅜"	CAP848594	15 (12.0)	4.0	8.5	6.0	12.0	0.9	36	-	20.9
6	M16	CAP846504	⅜"	CAP848504	15 (12.0)	6.0	12.0	8.5	16.0	1.25	42	-	26.4
5	M20	CAP846674	½"	CAP848674	15 (20.2)	4.0	8.5	6.0	12.0	0.9	36	-	26.4
6	M20	CAP846694	½"	CAP848694	15 (20.2)	6.0	12.0	8.5	16.0	1.25	42	-	26.4
7	M20	CAP846604	½"	CAP848604	15 (20.2)	8.5	16.0	12.0	21.0	1.25	46	-	33.0
6	M25	CAP846774	¾"	CAP848774	15 (20.2)	6.0	12.0	8.5	16.0	1.25	42	-	33.0
7	M25	CAP846794	¾"	CAP848794	15 (20.2)	8.5	16.0	12.0	21.0	1.25	46	-	33.0
8	M25	CAP846704	¾"	CAP848704	15 (20.2)	12.0	20.5	16.0	27.5	1.6	56	-	45.1
8	M32	CAP846894	1"	CAP848894	15 (25.3)	12.0	21.0	16.0	27.5	1.6	56	-	45.1
9	M32	CAP846804	1"	CAP848804	15 (25.3)	16.0	27.5	21.0	34.0	1.6	63	-	52.8
9	M40	CAP846994	1½"	CAP848994	15 (26.0)	16.0	27.5	21.0	34.0	1.6	63	-	52.8
10	M40	CAP846904	1½"	CAP848904	15 (26.0)	21.0	34.0	27.0	41.0	2.0	68	-	60.5
10	M50	CAP847094	1½"	CAP849094	15 (26.5)	21.0	34.0	27.0	41.0	2.0	68	-	60.5
11	M50	CAP847004	1½"	CAP849004	15 (26.5)	27.0	41.0	33.0	48.0	2.5	74	-	70.4
12	M63	CAP847294	2"	CAP849294	17 (27.2)	27.0	41.0	33.0	48.0	2.5	77	-	79.2
13	M63	CAP847204	2"	CAP849204	17 (27.2)	33.0	48.0	47.0	56.0	2.5	85	-	93.5
13	M75	CAP847394	2½"	CAP849494	18 (40.5)	40.0	56.0	47.0	65.0	2.5	85	-	93.5
14	M75	CAP847304	2½"	CAP849404	18 (40.5)	47.0	65.0	54.0	74.0	2.5	92	-	104.5
15	M90	CAP847794	3"	CAP849594	22 (42.0)	54.0	74.0	63.0	83.0	3.15	104	-	121.0
16	M90	CAP847504	3"	CAP849504	22 (42.0)	63.0	82.0	72.0	93.0	3.15	108	-	132.0
16	M90	CAP847574	3½"	CAP849604	N/A (43.2)	63.0	82.0	72.0*	93.0*	3.15	108	-	132.0
17	M110	CAP847794	4"	CAP849704	22 (44.5)	72.0	92.0	85.0	107.0	3.15	115	-	148.5

All dimensions in millimeters unless otherwise noted \* CAP849604 "outer sheath" min: 85 max:

## TMC

Para cable armado Metal Clad (armadura corrugada en aluminio)

Para cable no armado

Material estandar aluminio

### Gland Type

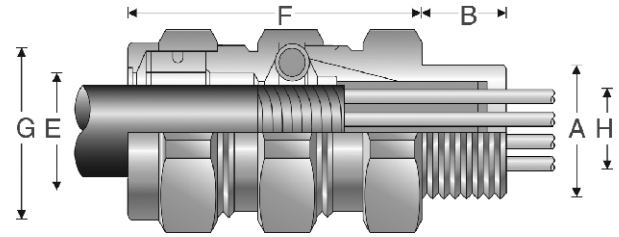
Armoured, TECK armoured and non-armoured

### Cable Type

Metal-clad (interlocked or continuously welded corrugated armoured), non-armoured and tray cable

### Certifications and Compliances:

- UL, cUL Listed – UL File E36379
- NEMA 4 and IP56
- Wet locations



### Features:

- Standard material is aluminum
- Stainless steel copper-plated spring provides grounding continuity of cable armour (MC cable only)
- Watertight seal on outer sheath of cable
- Standard neoprene seal suitable for use in operating temperatures -25° to 60°C
- Cold Shrink™ Kit is available for extra protection in aggressive environments (see page 105)
- Available with NPT threads
- See page 105 for related accessories

#### ORDERING EXAMPLE:

<b>TMC165</b>	<b>-BR</b>
<b>Gland Type</b>	<b>Options</b>

#### OPTIONS (add after gland type):

- BR Brass construction (i.e., TMC285-BR)
- NP Nickel-plate finish (i.e., TMC285-BR-NP)

## SELECTION TABLE

Entry Thread Size 'A'		Thread Length 'B' NPT	Cable Acceptance				Gland Length 'F' (less entry)	Hexagon Dimensions	
NPT Size	NPT Catalog #		Armour Range 'H'		Outer Sheath 'E'			Across Flats	Across Corners 'G'
			Min	Max	Min	Max			
1/2"	TMC165	0.750	0.440	0.650	0.490	0.781	2.375	1.250	1.375
3/4"	TMC285	0.781	0.600	0.850	0.650	1.000	2.625	1.500	1.625
1"	TMC3112	0.938	0.800	1.120	0.850	1.313	2.625	1.875	2.000
1 1/4"	TMC4140	0.969	1.100	1.400	1.150	1.625	2.750	2.250	2.438
1 1/2"	TMC5161	0.969	1.330	1.610	1.380	1.781	2.750	2.500	2.75
2"	TMC6206	1.000	1.570	2.060	1.630	2.313	4.500	3.250	3.500
2 1/2"	TMC7247	1.438	1.930	2.470	1.990	2.719	4.750	3.750	4.000
3"	TMC8302	1.438	2.450	3.020	2.525	3.281	4.875	4.500	4.875
3 1/2"	TMC9352	1.625	2.950	3.520	3.025	3.781	5.375	5.000	5.375
4"	TMC10402	1.625	3.500	4.020	3.585	4.281	5.500	5.500	5.875

All dimensions in inches unless otherwise noted.



# Prensaestopas a prueba de explosión

## TMCX

Para cable armado Metal Clad (armadura corrugada en aluminio)

Para cable no armado

Material estandar aluminio

UL Listed  
CSA Certified Class I, Div. 1  
Groups, A, B, C, D  
Class II; Class III  
NEMA 4 and IP56  
Wet locations

4F

### Gland Type

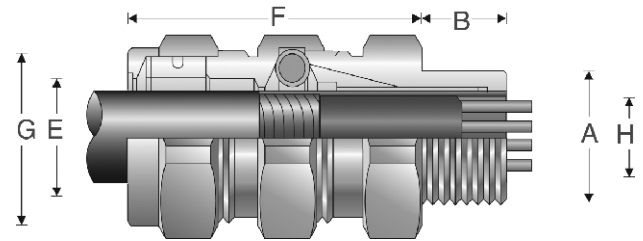
Armoured barrier, TECK armoured and non-armoured barrier

### Cable Type

Metal-clad (interlocked or continuously welded corrugated armoured), non-armoured and tray cable

### Certifications and Compliances:

- UL Listed, CSA Certified Class I, Div. 1, Groups, A, B, C, D; Class II; Class III – UL File E122485, CSA File LR13046
- NEMA 4 and IP56 rated
- Wet locations



### Features:

- Standard material is aluminum
- Stainless steel copper-plated spring provides grounding continuity of cable armour (MC cable only)
- Provides explosionproof compound seal on conductors and watertight seal on outer sheath of cable
- Standard neoprene seal suitable for use in operating temperatures -25° to 60°C
- Cold Shrink™ Kit is available for extra protection in aggressive environments (see page 105)
- Available with NPT threads
- See page 105 for related accessories

ORDERING EXAMPLE:	OPTIONS (add after gland type):
TMCX165 -BR	-BR Brass construction (i.e., TMCX285-BR) -NP Nickel-plate finish (i.e., TMCX285-BR-NP)
Gland Type	Options

### SELECTION TABLE

Entry Thread Size 'A'		Thread Length 'B' NPT	Cable Acceptance				Gland Length 'F' (less entry)	Hexagon Dimensions	
NPT Size	NPT Catalog #		Armour Range 'H'		Outer Sheath 'E'			Across Flats	Across Corners 'G'
			Min	Max	Min	Max			
1/2"	TMCX165	0.750	0.440	0.650	0.490	0.781	2.625	1.250	1.375
3/4"	TMCX285	0.781	0.600	0.850	0.650	1.000	2.875	1.500	1.625
1"	TMCX3112	0.938	0.800	1.120	0.850	1.313	3.125	1.875	2.000
1 1/4"	TMCX4140	0.969	1.100	1.400	1.150	1.625	3.125	2.250	2.438
1 1/2"	TMCX5161	0.969	1.330	1.610	1.380	1.781	3.375	2.500	2.750
2"	TMCX6206	1.000	1.570	2.060	1.630	2.313	5.313	3.250	3.500
2 1/2"	TMCX7247	1.438	1.930	2.470	1.990	2.719	6.063	3.750	4.000
3"	TMCX8302	1.438	2.450	3.020	2.525	3.281	6.063	4.500	4.875
3 1/2"	TMCX9352	1.625	2.950	3.520	3.025	3.781	7.750	5.000	5.375
4"	TMCX10402	1.625	3.500	4.020	3.585	4.281	8.313	5.500	5.875

All dimensions in inches unless otherwise noted.

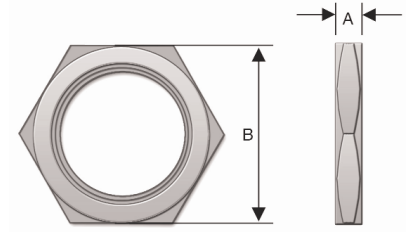
## 4F A Series – Lock Nut – Standard material is nickel-plated brass

### METRIC SELECTION TABLE

Entry Thread	A	B	Catalog #
M16	3	18	CAP221694
M20	3	23	CAP222094
M25	3	28	CAP222594
M32	3.5	36	CAP223294
M40	4	44	CAP224094
M50	5	54	CAP225094
M63	6	70	CAP226394
M75	8	85	CAP227594

### NPT SELECTION TABLE

Entry Thread	A	B	Catalog #
1/2"	3.5	24	CAP280124
3/4"	3.5	30	CAP280134
1"	4.5	37	CAP280144
1 1/4"	4.5	47	CAP280154
1 1/2"	5	52	CAP280164
2"	5.5	64	CAP280174
2 1/2"	6.5	77	CAP280184



\* For stainless steel replace last digit with "9".

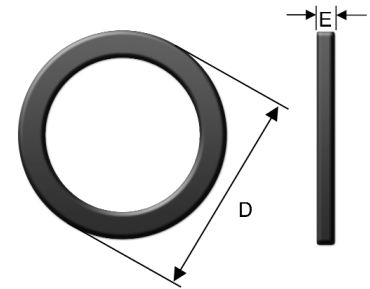
## A Series – Sealing Washer – Standard material is neoprene

### METRIC SELECTION TABLE

Metric Size	Metric Catalog #	Metric Diam. 'D'	Metric Thickness 'E'
10	CAP221049	15.0	1.2
12	CAP221249	18.0	1.2
16	CAP221649	22.0	1.2
20	CAP222049	24.0	1.2
25	CAP222549	30.0	1.5
32	CAP223249	42.0	1.5
40	CAP224049	52.0	1.5
50	CAP225049	63.0	1.5
63	CAP226349	77.0	2.0
-	-	-	-
-	-	-	-

### NPT SELECTION TABLE

NPT Size	NPT Catalog #	NPT Diam. 'D'	NPT Thickness 'E'
1/4"	CAP229014	20.0	1.5
3/8"	CAP229038	22.0	1.5
1/2"	CAP229012	27.0	1.5
3/4"	CAP229034	33.0	1.5
1"	CAP229010	41.0	1.5
1 1/4"	CAP229114	52.0	1.5
1 1/2"	CAP229112	57.0	1.5
2"	CAP229020	71.0	2.0
2 1/2"	CAP229212	85.0	2.0
3"	CAP229300	104.0	2.0
3 1/2"	CAP229312	120.0	2.0



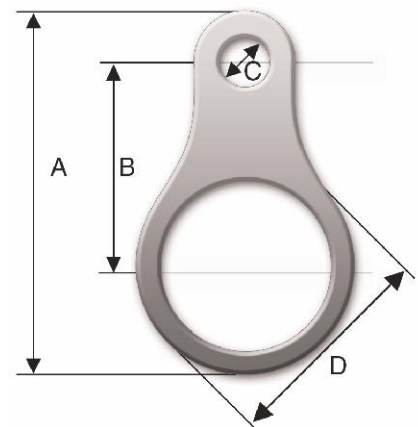
## A Series – Earth Tag – Standard material is nickel-plated brass

### METRIC SELECTION TABLE

Entry Thread	A	B	C	D	Catalog #
M16	48.75	30	6.75	24.5	CAP567034
M20	53.8	33	7	28.6	CAP567054
M25	61.5	36	10.5	34	CAP567074
M32	73	41	12.2	42	CAP567094
M40	86.5	44.5	13.5	54	CAP567124
M50	111.5	58	13.5	67	CAP567154
M63	125.5	67	13.5	77	CAP567184
M75	137.5	73	13.5	89	CAP567194

### NPT SELECTION TABLE

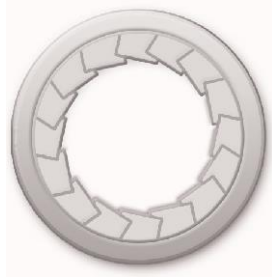
Entry Thread	A	B	C	D	Catalog #
1/2"	61.5	36	10.5	34	CAP567064
3/4"	73	41	12.2	42	CAP567084
1"	73	41	12.2	42	CAP567104
1 1/4"	86.5	44.5	13.5	54	CAP567134
1 1/2"	111.5	58	13.5	67	CAP567154
2"	125.5	67	13.5	77	CAP567174
2 1/2"	137.5	73	13.5	89	CAP567194



All dimensions in millimeters unless otherwise noted.

**A Series – Serrated Lock Washer**

– Standard material is stainless steel

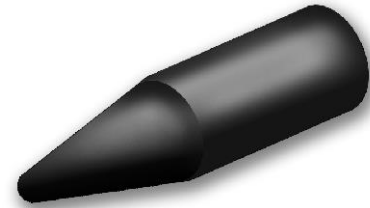


**SELECTION TABLE**

Metric Size	External Diameter	Catalog #
16	25.5	CAP280069
20	32.5	CAP280029
25	39.5	CAP280259
32	49.5	CAP280329
40	64.5	CAP280409
50	80.5	CAP280509
63	100	CAP280639
75	112	CAP280759
90	123	CAP280099

**A-Series – Shroud**

– Standard material is PVC



**SELECTION TABLE**

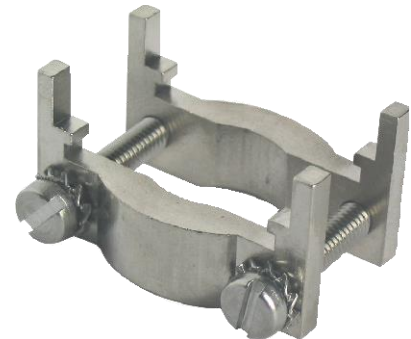
Gland Size	Catalog #
4	CAP506040
5	CAP506050
6	CAP506060
7	CAP506070
8	CAP506080
9	CAP506090
10	CAP506100
11	CAP506110
12	CAP506120
13	CAP506130
14	CAP506140
15	CAP506150
16	CAP506160

**A Series – Clamping Module**

– Standard materials are nickel-plated brass body with stainless steel screws and washers

**SELECTION TABLE**

Cable Range	Gland Size	Across Flats	Width	Thickness	Catalog #
4-8.5	4	15	18	5	CAP810434
6-11	5	19	22	5	CAP810534
8.5-16	6	24	27.5	6	CAP810634
12-21	7	30	33.5	8	CAP810734
16-27.5	8	41	45	8	CAP810834
21-34	9	48	52	9.5	CAP810934
27-41	10	55	59	9.5	CAP811034
33-48	11	64	69	12	CAP811134
40-56	12	72	78	12	CAP811234
47-65	13	85	92	16	CAP811334
54-74	14	95	103	16	CAP811434
63-83	15	110	118	18	CAP811534
72-93	16	120	128	18	CAP811634



**A Series – Earthing Washer – Standard material is brass**

**METRIC SELECTION TABLE**

Gland Size	Lead Sheath Sealing Range		Cable Diameter	Catalog #
	Min	Max		
5	4	7.5	10	CAP560530
6	6	11	13.9	CAP560630
7	9	15	18.3	CAP560730
8	12	20	23.8	CAP560830
9	16	26.5	31	CAP560930
10	21	32.5	38.3	CAP561030
11	28	39.5	45.3	CAP561130
12	33	46.5	52.8	CAP561230
13	40	54.5	60.8	CAP561330
14	46.5	61	71	CAP561430
15	54	72.5	80.5	CAP561530
16	63	81.5	89.5	CAP561630



All dimensions in millimeters unless otherwise noted.

# Adaptadores y reducciones de roscas métricas a NPT a prueba de explosión y seguridad aumentada

Material estandar bronce niquelado plateado

A Series – Adaptors and Reducers – Standard material is nickel-plated brass  
ATEX Exe Exd with LCIE 98 ATEX 00010

**ORDERING EXAMPLE:** CAP745334

## METRIC x METRIC SELECTION TABLE

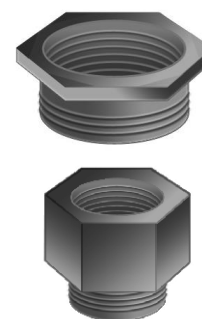
Female →

Male	M12	M16	M20	M25	M32	M40	M50	M63	M75	M80	M90	M110
M12		745334										
M16	745834		740274									
M20	745844	740024		740544								
M25		740034	740294		740814							
M32			740304	740564		741084						
M40				740574	740834		741354					
M50					740844	741104		741624				
M63						741114	741374		741894			
M75							741384	741644		745394		
M90									745864			
M110												

## METRIC x NPT SELECTION TABLE

Female →

Male	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	3 1/2"
M12	744104										
M16		744194	744694								
M20	744204	744214	744704	744964							
M25			744714	744974	745234						
M32			744724	744984	745244	745504					
M40				744994	745254	745514	745774				
M50					745264	745524	745784	746044			
M63							745794	746054	746314		
M75								746064	746324	746584	
M90										744304	
M110											



■ Size available – no part number  
■ Size not available

## NPT x METRIC SELECTION TABLE

Female →

Male	M12	M16	M20	M25	M32	M40	M50	M63	M75	M90	M100	M110
1/4"	740614	740624										
3/8"	740884	740894	740904									
1/2"	740914	740194	740454	740714								
3/4"		740204	740464	740724	740984							
1"			740474	740734	740994	741264	741524					
1 1/4"				740744	741004	741274	741534	741794				
1 1/2"					741104	741284	741544	741804	742064			
2"							741554	741814				
2 1/2"								741824				
3"												
3 1/2"												
4"												

## NPT x NPT SELECTION TABLE

Female →

Male	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	3 1/2"	4"
1/4"												
3/8"	745574		744624									
1/2"		745594		745134								
3/4"			744884		745404							
1"			744894	745154		745674						
1 1/4"				745164	745424		745944					
1 1/2"					745434	745694		746214				
2"						745704	745964		746484			
2 1/2"								746234				
3"								746244	746504			
3 1/2"												
4"												

\* For stainless steel replace last digit with "9".

# Tapones para rosca métrica y NPT a prueba de explosión y seguridad aumentada

4F

Material estandar bronce niquelado plateado

**A Series – Stopping Plug** – Standard material is nickel-plated brass;  
ATEX Exe Exd with LCIE 98 ATEX 00010

## METRIC SELECTION TABLE

Metric Size	Metric Catalog #*	Across Flats 'A'	Hex Thickness 'B'	Thread Length 'E'
12	CAP190124	14	2.8	15
16	CAP190164	18	3.0	15
20	CAP190204	23	3.0	15
25	CAP190254	28	3.5	15
32	CAP190324	36	4.0	15
40	CAP190404	44	4.0	15
50	CAP190504	54	5.0	16
63	CAP190634	67	5.5	17
75	CAP190754	80	6.0	18
80	CAP190804	85	7.0	20
90	CAP199904	95	8.0	22
100	CAP191004	110	10.0	22

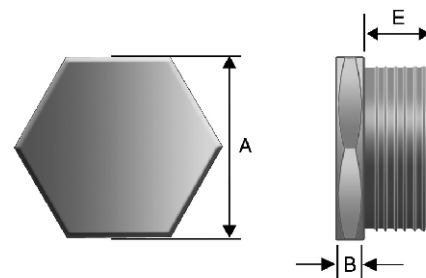
\* For stainless steel replace last digit with "9".

## NPT SELECTION TABLE

NPT Size	NPT Catalog #*	Across Flats 'A'	Hex Thickness 'B'	Thread Length 'E'
1/4"	CAP190194	14	2.8	12
3/8"	CAP109294	18	2.8	12
1/2"	CAP190394	22	3.0	16
3/4"	CAP190494	28	3.0	16
1"	CAP190594	36	3.5	20
1 1/4"	CAP190694	44	4.0	20
1 1/2"	CAP190794	50	5.0	20
2"	CAP190894	64	5.5	20
2 1/2"	CAP190994	75	6.0	28
3"	CAP191094	90	6.0	30
3 1/2"	CAP191194	110	10.0	32

All dimensions in millimeters unless otherwise noted.

\*For stainless steel replace last digit with "9".



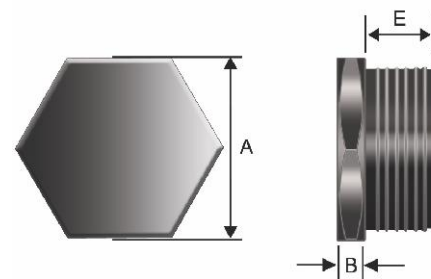
**A Series – Nonmetallic Stopping Plug** – Standard material is polyamide 6; ATEX certified Ex e II with LCIE 97ATEX6007X

Washer and locknut are required for non-threaded holes (not included) see page 98

## POLYAMIDE SELECTION TABLE

Metric Size	Metric Catalog #*	Across Flats 'A'	Hex Thickness 'B'	Thread Length 'E'
12	CAP191127	15	4	15
16	CAP191167	19	4	15
20	CAP191207	23	4	15
25	CAP191257	28	5	15
32	CAP191327	36	5.5	15
40	CAP191407	44	5.5	15
50	CAP191507	54	6	16
63	CAP191637	67	6.5	17

\*For stainless steel replace last digit with "9".



# Conectores para Coraza Liquid Tight

## Liquidator™ Liquidtight Flexible Metallic Conduit Fittings

Material estandar hierro electrogalvanizado

Cl. I, Div. 2  
Cl. II, Div. 1 y 2  
Cl. III, Div. 1 y 2

Cooper Crouse-Hinds® liquidtight product line offers high-quality, high-performance fittings. Designed to the toughest standards and integrating the latest technology, not only do you get a reliable and durable product, you also get one that reduces installation time and cost. Our versatile lines of liquidtight fittings are designed for a wide range of applications. Choose from our Liquidator™, LiQuik™, Zinc Die Cast, Non-Metallic or Low Profile liquidtight fittings.



### Applications:

Typical applications for liquidtight conduit and liquidtight fittings include the wiring of machine tools, motors, transformers, food processing equipment, robotics, air conditioning units, illuminated store front signs and billboards, etc. The flexible metallic conduit and fittings protect conductors from mechanical damage due to vibration and movement, and seal out cutting oils, coolants, water, dust, etc. Applications such as these can be found in, but are not limited to, industries such as:

- Machine tool manufacturers
- Electric power generating plants
- Waste treatment facilities
- Paint manufacturing facilities
- Automobile manufacturing facilities
- Aerospace industries
- Breweries
- Food processing plants
- Dairies
- Pulp and paper mills
- Petroleum refineries
- Chemical and petrochemical plants

### Certifications and Compliances:

- UL Listed liquidtight flexible metal conduit fittings are suitable for use in the following hazardous locations under NEC, **Class I, Division 2; Class II, Division 1 and 2; and Class III, Division 1 and 2**, and are suitable for grounding in sizes 3/8" through 1 1/4" under NEC.
- UL Standards: 514B, 467
- cUL Standard: C22.2 No. 18F
- UL File No. E-19189

### Standard Materials:

- Body – Straight: 3/8" through 6" malleable iron, or 3/8" through 4" aluminum
- 45° – 3/8" through 4" malleable iron
- 90° – 3/8" through 4" – malleable iron or aluminum
- Gland nut – malleable iron or aluminum
- Ferrule – 3/8" through 6" – steel
- Gland nut sealing ring – polyethylene
- Sealing gasket – thermoplastic elastomer
- Locknut – steel or aluminum

### Standard Finishes:

- Malleable iron – zinc electroplate
- Polyethylene, thermoplastic elastomer, aluminum and

Product Features	User Benefits
<ul style="list-style-type: none"> <li>• UL Listed, cUL Certified.</li> </ul>	Assurance of safe and reliable performance. End user peace of mind.
<ul style="list-style-type: none"> <li>• Provides protection in wet locations.</li> </ul>	Meets NEC and UL requirements for use in wet locations. Reduces downtime and replacement costs.
<ul style="list-style-type: none"> <li>• Available in various configurations in various trade sizes and materials.</li> </ul>	Complete selection of styles and sizes. Easy selection from one source, saves time and money.
<ul style="list-style-type: none"> <li>• Hex surfaces on gland nut and body.</li> </ul>	Easy wrenching. Fast, easy installation results in labor savings.
<ul style="list-style-type: none"> <li>• Thermoplastic elastomer sealing gasket effectively seals out water, oil, dust and dirt.</li> </ul>	Eliminates leakage, potential downtime and replacement costs.
<ul style="list-style-type: none"> <li>• Lock nut bites into box.</li> </ul>	Provides a reliable ground and safety of personnel and equipment. Won't vibrate loose.
<ul style="list-style-type: none"> <li>• Cupped long grounding ferrule is distortion-free.</li> </ul>	Provides excellent pullout strength, prevents conduit popout and provides grounding for safety of personnel and equipment.

Liquidtight Fittings Selection Chart

Family	Material	Size/Range	Configurations	Typical Applications
Liquidator	Malleable Iron	3/8"–6"	Straight, 45°, 90°	Tough, industrial, corrosive for STANDARD APPLICATIONS
Liquidator Aluminum LT-SA	Copper-free Aluminum	3/8"–4"	Straight & 90°*	Tough, industrial, corrosive applications where ALUMINUM MATERIAL PREFERRED
LTK Low Profile	Steel/Malleable Iron	3/8"–2"	Straight, 45°, 90°	Tough, industrial, corrosive applications with SPACE RESTRICTIONS
LTQ LiQuik	Malleable Iron	3/8"–2"	Straight, 45°, 90°	Tough, industrial, corrosive applications needing NO DISASSEMBLY INSTALLATIONS
LTDC Zinc Die Cast	Zinc Die Cast	3/8"–4"	Straight & 90°	Tough, industrial, corrosive applications where ZINC DIE CAST MATERIAL PREFERRED
LTNM Non-Metallic	Nylon	3/8"–2"	Straight & 90°	Tough, industrial, corrosive for use with NON-METALLIC TYPE B LIQUIDTIGHT CONDUIT

\* 90° LT-SA available in 3/8"–2" only

Liquidtight

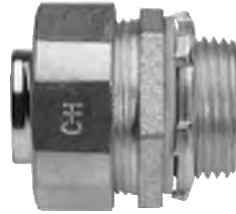
# Conectores para Coraza Liquid Tight

## Liquidator™ Liquidtight Flexible Metallic Conduit Fittings

Material estandar hierro electrogalvanizado

Cl. I, Div. 2  
Cl. II, Div. 1 & 2  
Cl. III, Div. 1 & 2

Liquidtight



### Conectores rectos

hierro electrogalvanizado

Aluminio Natural

Conduit Size	No aislado Sin polo a tierra Cat. No.	No aislado con polo a tierra en Aluminio Cat. No.	Aislado con polo a tierra en Cobre Cat. No.	Calibre cable para polo a tierra	No aislado Sin polo a tierra Cat. No.	No aislado Con polo a tierra en Aluminio Cat. No.
3/8"	LT38	LT38G	LTB38GC	#4-#14 AWG	LT38-SA	LT38G-SA
1/2"	LT50	LT50G	LTB50GC	#4-#14 AWG	LT50-SA	LT50G-SA
3/4"	LT75	LT75G	LTB75GC	#4-#14 AWG	LT75-SA	LT75G-SA
1"	LT100	LT100G	LTB100GC	#4-#14 AWG	LT100-SA	LT100G-SA
1 1/4"	LT125	LT125G	LTB125GC	#4-#14 AWG	LT125-SA	LT125G-SA
1 1/2"	LT150	LT150G	LTB150GC	#4-#14 AWG	LT150-SA	LT150G-SA
2"	LT200	LT200G	LTB200GC	#4-#14 AWG	LT200-SA	LT200G-SA
2 1/2"	LT250	LT250G	LTB250GC	#1/0-#8 AWG	LT250-SA	LT250G-SA
3"	LT300	LT300G	LTB300GC	#1/0-#8 AWG	LT300-SA	LT300G-SA
3 1/2"	LT350	LT350G	LTB350GC	#3/0-#6 AWG	LT350-SA	LT350G-SA
4"	LT400	LT400G	LTB400GC	#3/0-#6 AWG	LT400-SA	LT400G-SA
5"	LT500†	LT500G†	—	250MCM-#6	—	—
6"	LT600†	LT600G†	—	250MCM-#6	—	—

†Not UL Listed or CSA Certified

# Conectores para Coraza Liquid Tight

Liquidator™ Liquidtight Flexible Metallic

Conduit Fittings

Material estandar hierro electrogalvanizado

Cl. I, Div. 2

Cl. II, Div. 1 & 2

Cl. III, Div. 1 & 2



Liquidtight

## Conector Curvo a 90°

Acero Electrogalvanizado

Aluminio Natural

Conduit Size	Acero Electrogalvanizado			Calibre cable para polo a tierra	Aluminio Natural	
	No aislado Sin polo a tierra Cat. No.	No aislado con polo a tierra en Aluminio Cat. No.	Aislado con polo a tierra en Cobre Cat. No.		No aislado Sin polo a tierra Cat. No.	No aislado Con polo a tierra en Aluminio Cat. No.
3/8"	LT3890	LT3890G	LTB3890GC	#4-#14 AWG	LT3890-SA	LT3890G-SA
1/2"	LT5090	LT5090G	LTB5090GC	#4-#14 AWG	LT5090-SA	LT5090G-SA
3/4"	LT7590	LT7590G	LTB7590GC	#4-#14 AWG	LT7590-SA	LT7590G-SA
1"	LT10090	LT10090G	LTB10090GC	#4-#14 AWG	LT10090-SA	LT10090G-SA
1 1/4"	LT12590	LT12590G	LTB12590GC	#4-#14 AWG	LT12590-SA	LT12590G-SA
1 1/2"	LT15090	LT15090G	LTB15090GC	#4-#14 AWG	LT15090-SA	LT15090G-SA
2"	LT20090	LT20090G	LTB20090GC	#4-#14 AWG	LT20090-SA	LT20090G-SA
2 1/2"	LT25090	LT25090G	LTB25090GC	#1/0-#8 AWG	LT25090-SA	LT25090G-SA
3"	LT30090	LT30090G	LTB30090GC	#1/0-#8 AWG	LT30090-SA	LT30090G-SA
3 1/2"	LT35090	LT35090G	LTB35090GC	#3/0-#6 AWG	LT35090-SA	LT35090G-SA
4"	LT40090	LT40090G	LTB40090GC	#3/0-#6 AWG	LT40090-SA	LT40090G-SA



# Boquillas aisladas tipo Bushing de propósito general

## Uso interior

Material estandar hierro electrogalvanizado

### INSULATED THROAT GROUNDING BUSHINGS - MALLEABLE IRON

#### Applications:

- For use on threaded rigid/IMC conduit to provide a means of grounding conduit through an insulated bushing

105°C Rated Plastic Throat Liner

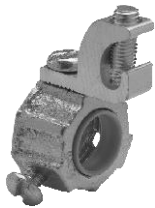
Polo a tierra en aluminio – Para cable de tierra en aluminio o cobre

UL File No. E-6225

150°C Rated

Polo a tierra en cobre – Para cables de tierra en cobre.

UL File No. E-6225



lazytug



lazytug

Cat. #	Trade Size	Lug Size	Unit Qty.	Wt. Lbs. Per 100
GLL1	1/2"	#4 – #14	50	5
GLL2	3/4"	#4 – #14	50	9
GLL3	1"	#4 – #14	50	12
GLL4	1 1/4"	#4 – #14	25	19
GLL4 10	1 1/4"	#1/0 – #8	25	23
GLL5	1 1/2"	#4 – #14	10	24
GLL5 10	1 1/2"	#1/0 – #8	10	28
GLL6	2"	#4 – #14	10	26
GLL6 10	2"	#1/0 – #8	10	32
GLL7	2 1/2"	#1/0 – #8	10	53
GLL7 30	2 1/2"	#3/0 – #6	10	60
GLL7 250	2 1/2"	250MCM – #6	10	67
GLL8	3"	#1/0 – #8	5	70
GLL8 30	3"	#3/0 – #6	5	72
GLL8 250	3"	250MCM – #6	5	76
GLL9	3 1/2"	#3/0 – #6	1	100
GLL9 250	3 1/2"	250MCM – #6	1	100
GLL10	4"	#3/0 – #6	1	110
GLL10 250	4"	250MCM – #6	1	120
GLL11	5"	#3/0 – #6	1	140
GLL11 250	5"	250MCM – #6	1	143
GLL12	6"	#3/0 – #6	1	160
GLL12 250	6"	250MCM – #6	1	163

Cat. #	Trade Size	Lug Size	Unit Qty.	Wt. Lbs. Per 100
HGLL1C	1/2"	#4 – #14	50	12
HGLL2C	3/4"	#4 – #14	50	14
HGLL3C	1"	#4 – #14	50	17
HGLL4C	1 1/4"	#4 – #14	25	20
HGLL4 10C	1 1/4"	#1/0 – #8	25	32
HGLL5C	1 1/2"	#4 – #14	10	23
HGLL5 10C	1 1/2"	#1/0 – #8	10	35
HGLL6C	2"	#4 – #14	10	30
HGLL6 10C	2"	#1/0 – #8	10	42
HGLL7C	2 1/2"	#1/0 – #8	10	69
HGLL7 30C	2 1/2"	#3/0 – #6	10	92
HGLL7 250C	2 1/2"	250MCM – #6	10	101
HGLL8C	3"	#1/0 – #8	5	80
HGLL8 30C	3"	#3/0 – #6	5	103
HGLL8 250C	3"	250MCM – #6	5	112
HGLL9C	3 1/2"	#3/0 – #6	1	126
HGLL9 250C	3 1/2"	250MCM – #6	1	135
HGLL10C	4"	#3/0 – #6	1	145
HGLL10 250C	4"	250MCM – #6	1	155
HGLL11C	5"	#3/0 – #6	1	171
HGLL11 250C	5"	250MCM – #6	1	180
HGLL12C	6"	#3/0 – #6	1	210
HGLL 12 250C	6"	250MCM – #6	1	317

# Contratuercas de propósito general

Uso interior

Material estandar acero electrogalvanizado

## CONDUIT LOCKNUTS

3/8" – 2" Steel, 2 1/2" – 6" Malleable Iron

UL File No. E-19189



Cat. #	Size	Unit Qty.	Wt. Lbs. Per 100
10	3/8"	100	1
11	1/2"	100	1
12	3/4"	100	2
13	1"	50	3
14	1 1/4"	100	4
15	1 1/2"	50	5
16	2"	50	7
17	2 1/2"	20	10
18	3"	10	15
19	3 1/2"	10	18
20	4"	5	22
22	5"	2	79
23	6"	1	166