

Elbows, Couplings, Hubs, Grounding Devices, Plugs, Reducers, Service Entrance and Unions Hazardous and Non-Hazardous

7F

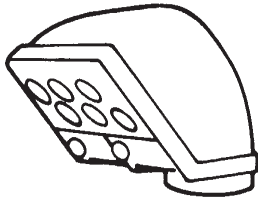
7F Elbows, Couplings,
Grounding Devices,
Plugs, Etc.

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Elbows, Couplings, Hubs, Grounding Devices, Plugs, Reducers, Service Entrance and Unions

Application and Selection

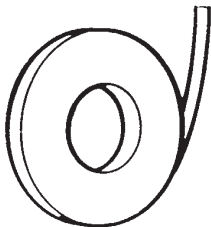
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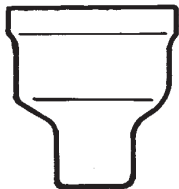
GCT 177



GC 177



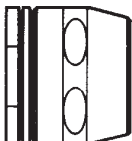
GCR 177



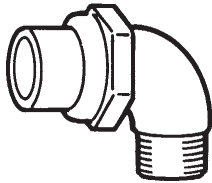
UNYL 168



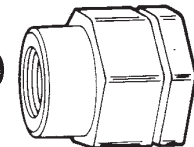
HUB 176



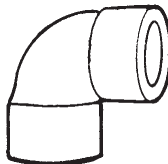
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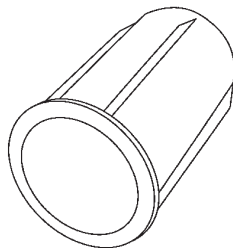
UNF 166



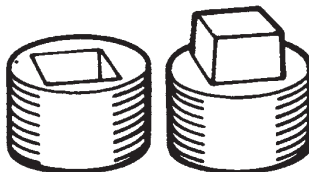
EL 167



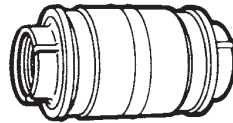
LNR 179



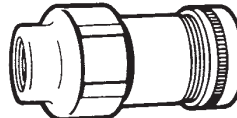
PLG 169



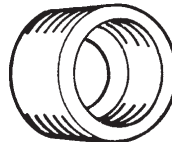
SERIES XD PAGE 172



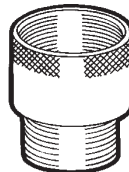
XJG 173



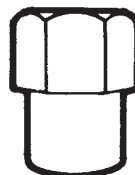
RE 169



REA 169



REC 169



EC 170



XJGD
175



XJG-EMT
174

Application:

Service entrance heads, elbows, unions, couplings, grounding receptacle and stud and grounding straps with clamps are the miscellaneous fittings needed to complete an electrical conduit system from the overhead service entrance to machinery, lighting fixtures and/or final electrical outlets. These fittings are installed in conduit systems within non-hazardous areas to:

- Plug
- Connect
- Reduce
- Terminate
- Change direction
- Ground

Use in Hazardous Areas:

Most of the items shown above are also suitable for hazardous areas (see specific listings for compliance information).

Considerations for Selection:

Service Heads:

- Size required – determine from size and number of conductors in service and conduit or mast size.

- Type required – (threaded, slip fit, clamp) – determine from conduit used with service head.

Elbows, Unions, Reducers, Couplings and Grounding Receptacles/Connectors:

- Size required – determine from conduit size.

- Type required – determine from intended function in system (i.e. male and female thread for connecting conduit to outlet box etc.)

- Material and finish required – determine from environmental conditions (corrosive fumes, buried in concrete, etc.)

Options:

- Corro-free™ epoxy powder coat – add suffix S752

Quick Selector Chart

Series	Description	Size Range	Conduit Type	Standard Materials
XD	Expansion/deflection coupling	1" to 6"	Threaded rigid	<i>Feraloy</i> ® iron alloy hubs, neoprene outer jacket, tinned copper grounding strap
F	Threaded service entrance head	½" to 4" conduit	Threaded rigid	Copper-free aluminum
F	Clamp type service entrance head	¾" to 2" conduit	Threadless rigid or EMT	Copper-free aluminum
GCT	Ground connector and stud	.312" to .406"	Used to provide "quick connect" static electricity grounding connections with portable cable	Bronze connector body; aluminum cable clamp; brass stud
GC100	Grounding strap	50' coil	Used for bonding and grounding	Flexible copper, tinned
GCR	Grounding receptacle	¾" threaded grounding rod	Used to provide static electricity grounding connection	Bronze body, cap and chain; brass grounding stud
GC102	Grounding clamp	Adjustable	Used as clamp for GC100	Brass
HUB	Conduit hub	½" to 4"	Threaded rigid	Steel or <i>Feraloy</i> iron alloy
UNL	Union, 90° angle; for connecting conduit to cast boxes	½" - 1½" to ¾" - 3¼"	Threaded rigid	<i>Feraloy</i> iron alloy
UNY	Union, male; for connecting conduit to cast boxes	½" to 6"	Threaded rigid	Steel or <i>Feraloy</i> iron alloy
	Expansion union, male; for connecting conduit to cast boxes	½" to 1"	Threaded rigid	Steel
UNF	Union, female; for connecting conduit to conduit	½" to 6"	Threaded rigid	Steel or <i>Feraloy</i> iron alloy
	Expansion union, female; for connecting conduit to conduit	½" to 1"	Threaded rigid	Steel
UNA Male	Union, 90° to 180° adjustable; for connecting conduit to boxes for conduit support	½" to 1"	Threaded rigid	<i>Feraloy</i> iron alloy
EL-45°	45° elbow, female	12" to 4"	Threaded rigid	<i>Feraloy</i> iron alloy
EL-90°	90° elbow, male; 90° elbow, female; 90° elbow, male and female	½" to 1¼" male; ½" to 2½" female; ½" to 1¼" male and female	Threaded rigid	<i>Feraloy</i> iron alloy
RE	Reducer, threaded	½" - 1½" to 6" - 5"	Threaded rigid	Steel or <i>Feraloy</i> iron alloy
REA	Adapter fitting	½" male to ¾" female; ¾" male to 1" female; 1" male to 1¼" female	Threaded rigid	Steel
REC	Reducer coupling	¾" - 1½" to 5" - 4"	Threaded rigid	<i>Feraloy</i> iron alloy
PLG	Pipe plug, recessed head or square head	½" to 4"	Threaded rigid	Steel or <i>Feraloy</i> iron alloy
EC	Flexible coupling	½" to 4"	See catalog page 7F for details	
LNR	Conduit liner	½" to 4"	Threaded rigid & IMC	Polypropylene
XJG	Expansion Fitting	½" to 6"	Threaded rigid or IMC	<i>Feraloy</i> iron alloy
XJG-EMT	Expansion Fitting	½" to 4"	EMT	<i>Feraloy</i> iron alloy
XJGD	Expansion-Deflection	1" to 4"	Threaded rigid	<i>Feraloy</i> iron alloy

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

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

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.

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:

- Copper-free aluminum – add suffix SA to Cat. No. (not available on UNA or 5" and 6" UNY/UNF)

† See compliances for classification of each product.

Certifications and Compliances:

• NEC/CEC:

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

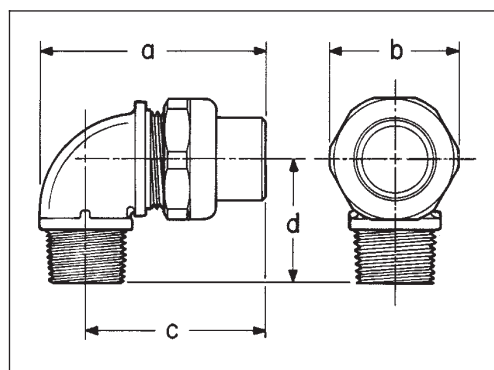


UNL

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

Dimensions



1/2" - 4"



5" - 6"

UNY Male

Size	Cat. #
1/2	UNY105
1/2 female to 3/4 male	UNY215
3/4	UNY205
1	UNY305
1 1/4	UNY405
1 1/4	UNY406
1 1/2	UNY505
1 1/2	UNY506
2	UNY605
2	UNY606
2 1/2	UNY705
2 1/2	UNY706
3	UNY805
3	UNY806
3 1/2	UNY905
4	UNY1005
5	UNY012
6	UNY014



1/2" - 4"

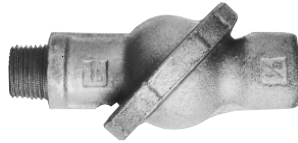


5" - 6"

UNF Female

Size	Cat. #
1/2	UNF105
3/4 to 1/2	UNF215
3/4	UNF205
1	UNF305
1 1/4	UNF405
1 1/4	UNF406
1 1/2	UNF505
1 1/2	UNF506
2	UNF605
2	UNF606
2 1/2	UNF705
2 1/2	UNF706
3	UNF805
3	UNF806
3 1/2	UNF905
4	UNF1005
5	UNF012
6	UNF014

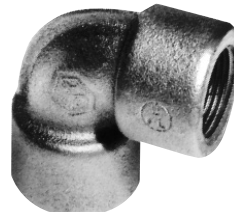
	UNY	Max.	UNF	Max.
Size	Length	Dia.	Length	Dia.
1/2	2 3/8	1 1/2	1 13/16	1 1/2
3/4-1/2	2 7/16	1 13/16	1 3/4	1 13/16
3/4	2 7/16	1 3/4	1 3/4	1 13/16
1	2 3/4	1 7/8	2	1 7/8
1 1/4	3 3/16	2 3/4	2 1/4	2 3/4
1 1/2	3 3/16	3 1/16	2 5/8	3 1/16
2	3 3/4	3 13/16	2 9/16	3 13/16
2 1/2	4 5/8	4 5/16	3 1/16	4 5/16
3	5	5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



Male (with removable nipple)



90° Male



90° Female



45° Female



90° Male and female

UNA

Male

Size	Cat. #
1/2	UNA16
3/4	UNA26
1	UNA36

EL

90° Male

Size	Cat. #
1/2	EL195
3/4	EL295
1	EL395

45° Female

Size	Cat. #
1/2	EL1
3/4	EL2
1	EL3
1 1/4	EL4
1 1/2	EL5
2	EL6
2 1/2	EL7
3	EL8
3 1/2	EL9
4	EL10

90° Female

Size	Cat. #
1/2	EL19*
3/4	EL29*
1	EL39*
1 1/4	EL49*
1 1/2	EL59*
2	EL69*
2 1/2	EL79

90° Male and Female

Size	Cat. #
1/2	EL196*
3/4	EL296*
1	EL396*
1 1/4	EL496

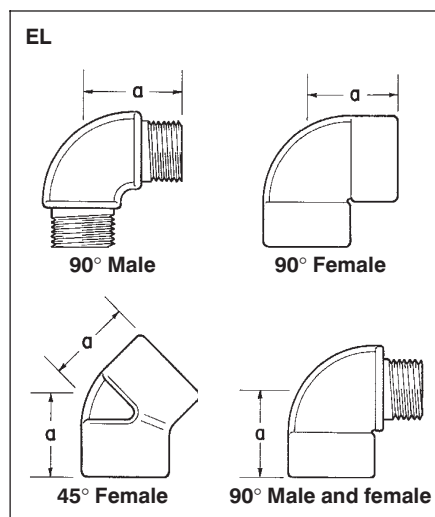
* Available in copper free aluminum – add suffix SA to catalog number.

Dimensions

UNA

Male

Size	Length	Width
1/2	4 5/16	2 5/8
3/4	4 13/16	2 7/8
1	5 11/16	3 1/2



EL

45° Female

90° Male

90° Female

90° Male & Female

Size	a	a	a	a
1/2	1 3/16	1 7/16	1 17/32	1 17/32
3/4	1 3/8	1 5/8	1 3/4	1 5/8
1	1 21/32	1 7/8	2	1 7/8
1 1/4	1 3/4		2 1/4	2 1/8
1 1/2	1 15/16		4	
2	2 1/4		5	
2 1/2	2 3/4		6 7/16	
3	3 1/6			
3 1/2	3 7/16			
4	3 5/8			

† See compliances for classification of each product.

Application:

UNF/UNY expansion unions are designed to be used in all threaded rigid metal† conduit systems indoors and outdoors, in hazardous locations to:

- connect conduit to conduit
- connect conduit to a junction box or device enclosure
- compensate for conduit cut too short
- allow for expansion and contraction of conduit
- connect stub-ups to threaded conduit
- replace sections of conduit runs

Features:

- Compact design
- Internal beryllium copper grounding spring to insure positive grounding continuity.
- Knurled surface on body and sleeve allows secure gripping with wrench.
- Steel construction for maximum strength.
- Available in two styles – short length where space is limited, long length when extra expansion is required.

Standard Materials:

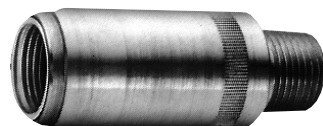
- Body and sleeve – steel
- Grounding spring – beryllium copper

Standard Finishes:

- Steel – electrogalvanized with chromate finish
- Beryllium copper – natural

Certifications and Complies:

- 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
- CSA Standard: C22.2 No. 30



UNYL



UNYL with sleeve extended

UNY

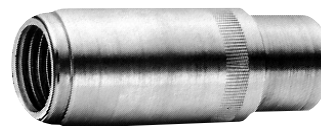
Male – Short

Conduit Size	Cat. #
1/2	UNY17
3/4	UNY27
1	UNY37

UNYL

Male – Long

Conduit Size	Cat. #
1/2	UNYL17
3/4	UNYL27
1	UNYL37



UNFL



UNFL with sleeve extended

UNF

Female – Short

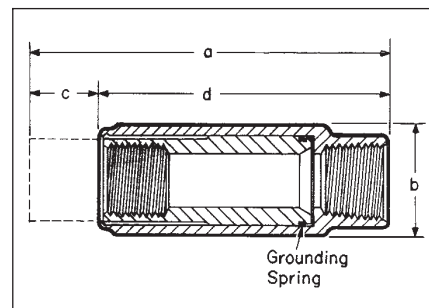
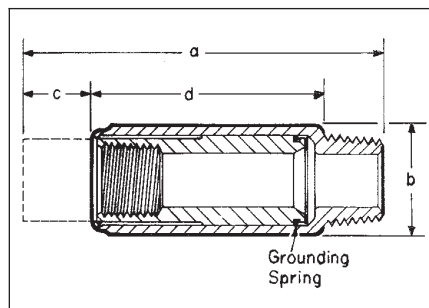
Conduit Size	Cat. #
1/2	UNF17
3/4	UNF27
1	UNF37

UNFL

Female – Long

Conduit Size	Cat. #
1/2	UNFL17
3/4	UNFL27
1	UNFL37

Dimensions



Size	Dimension			
	a*	b	c**	d
UNY				
1/2	3 5/16	1 3/16	1/2	2 1/16
3/4	3 3/8	1 7/16	1/2	2 1/8
1	3 13/16	1 11/16	5/8	2 1/4
UNYL				
1/2	4 5/16	1 3/16	1	2 9/16
3/4	4 1/2	1 7/16	1 1/16	2 11/16
1	5 3/16	1 11/16	1 5/16	2 15/16

Size	Dimension			
	a*	b	c**	d
UNF				
1/2	3 3/8	1 3/16	1/2	2 7/8
3/4	3 7/16	1 7/16	1/2	2 5/16
1	3 13/16	1 11/16	5/8	3 3/16
UNFL				
1/2	4 3/8	1 3/16	1	3 3/8
3/4	4 9/16	1 7/16	1 1/16	3 1/2
1	5 1/8	1 11/16	1 5/16	3 13/16

† Suitable with intermediate Metal Conduit in non-hazardous locations

* Overall length at maximum expansion

** Maximum expansion

Reducers, Couplings and Plugs

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

7F

7F
Elbows, Couplings,
Fitting Devices,
Plugs, Etc.

Application:

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 wires

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

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

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

Options:

- Copper-free aluminum – add suffix SA to Cat. No.



RE

Size	Cat. #
1/2-1/8	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

Large Hub Size	Small Hub Size	Cat. #
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 1/2	1 1/2	REC605
3	2	REC75
3 1/2	2 1/2	REC86
4	3	REC97*
5	4	REC108*
		REC01210*



REA

Male Hub Size	Female Hub Size	Cat. #
1/2	3/4	REA12†
3/4	1	REA23†
1	1 1/4	REA34†



Recessed



Square Head PLG

Size	Cat. #
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†

Size	Cat. #
1/2	PLG15†
3/4	PLG25†
1	PLG35†
1 1/4	PLG45†
1 1/2	PLG55†
2	PLG65†
2 1/2	PLG75
3	PLG85
3 1/2	PLG95
4	PLG105

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

‡ Suitable for use in Class I, Group B areas.

* Not available in aluminum.

1/2"–2" Brass Construction

All Stainless Steel with suffix – S516

2 1/2"–4" Stainless Steel construction only

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

Application:

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

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 to be Added to Cat. #**

All stainless steel 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

Certifications and Compliances:

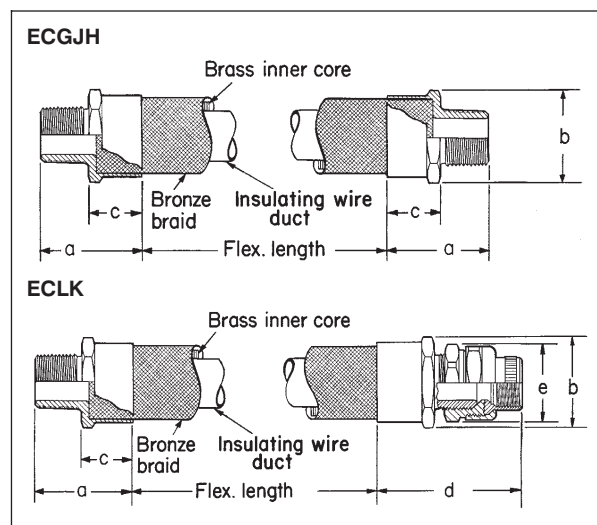
- NEC:
1/2" and 3/4" (Brass and S516) – Class I, Division 1 & 2, Groups A,B,C,D

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

**ECGJH (Male connections both ends)**

Flexible Length	Size	Cat. #	Flexible Length	Size	Cat. #	Flexible Length	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			

Dimensions

†See certifications and compliances.

Couplings

1/2"–2" Brass Construction

All Stainless Steel with suffix – S516

2 1/2"–4" Stainless Steel construction only

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

7F



ECLK (ECGJH provide with UNF Female union – male connection 1 end, female connection 1 end)

Flexible Length	Size	Cat. #	Flexible Length	Size	Cat. #	Flexible Length	Size	Cat. #
4"	1/2	ECLK14	18"	1	ECLK318	27"	2 1/2	ECLK727
4"	3/4	ECLK24	18"	1 1/4	ECLK418	27"	3	ECLK827
6"	1/2	ECLK16	18"	1 1/2	ECLK518	27"	4	ECLK1027
6"	3/4	ECLK26	18"	2	ECLK618	30"	1/2	ECLK130
6"	1	ECLK36	18"	2 1/2	ECLK718	30"	3/4	ECLK230
8"	1/2	ECLK18	18"	3	ECLK818	30"	1	ECLK330
8"	3/4	ECLK28	18"	4	ECLK1018	30"	1 1/4	ECLK430
8"	1	ECLK38	21"	1/2	ECLK121	30"	1 1/2	ECLK530
10"	1/2	ECLK110	21"	3/4	ECLK221	30"	2	ECLK630
10"	3/4	ECLK210	21"	1	ECLK321	30"	2 1/2	ECLK730
10"	1	ECLK310	21"	1 1/4	ECLK421	30"	3	ECLK830
12"	1/2	ECLK112	21"	1 1/2	ECLK521	30"	4	ECLK1030
12"	3/4	ECLK212	21"	2	ECLK621	33"	1/2	ECLK133
12"	1	ECLK312	21"	2 1/2	ECLK721	33"	3/4	ECLK233
12"	1 1/4	ECLK412	21"	3	ECLK821	33"	1	ECLK333
12"	1 1/2	ECLK512	21"	4	ECLK1021	33"	1 1/4	ECLK433
12"	2	ECLK612	24"	1/2	ECLK124	33"	1 1/2	ECLK533
12"	2 1/2	ECLK712	24"	3/4	ECLK224	33"	2	ECLK633
12"	3	ECLK812	24"	1	ECLK324	33"	2 1/2	ECLK733
12"	4	ECLK1012	24"	1 1/4	ECLK424	33"	3	ECLK833
15"	1/2	ECLK115	24"	1 1/2	ECLK524	33"	4	ECLK1033
15"	3/4	ECLK215	24"	2	ECLK624	36"	1/2	ECLK136
15"	1	ECLK315	24"	2 1/2	ECLK724	36"	3/4	ECLK236
15"	1 1/4	ECLK415	24"	3	ECLK824	36"	1	ECLK336
15"	1 1/2	ECLK515	24"	4	ECLK1024	36"	1 1/4	ECLK436
15"	2	ECLK615	27"	1/2	ECLK127	36"	1 1/2	ECLK536
15"	2 1/2	ECLK715	27"	3/4	ECLK227	36"	2	ECLK636
15"	3	ECLK815	27"	1	ECLK327	36"	2 1/2	ECLK736
15"	4	ECLK1015	27"	1 1/4	ECLK427	36"	3	ECLK836
18"	1/2	ECLK118	27"	1 1/2	ECLK527	36"	4	ECLK1036
18"	3/4	ECLK218	27"	2	ECLK627			

Dimensions

ECGJH and ECLK

Size	a	b	c	d	e
1/2	17/8	1 1/2	1 1/8	3	1 9/16
3/4	2 1/16	1 7/8	1 3/16	3 1/4	1 13/16
1	2 1/2	2 1/8	1 1/2	3 5/8	1 7/8
1 1/4	2 7/8	2 15/16	1 7/8	4 3/16	2 3/4
1 1/2	3 5/16	3 1/2	1 7/8	5 3/16	3 1/16
2	3 3/4	4 1/4	2	5 1/16	3 13/16
2 1/2	3	4 7/16	1 5/8	5 1/16	4 5/16
3	3 1/8	4 9/16	1 3/4	5 5/8	5 1/16
4	4 5/8	4 15/16	3 1/4	7 1/2	6 3/16

Minimum Recommended Radius of Bend

Size	Radius	Size	Radius
1/2	10	2	16
3/4	12	2 1/2	16
1	14	3	18
1 1/4	14	4	30
1 1/2	16		

†See certifications and compliances.

Application:

XD couplings can be installed indoors, outdoors, buried underground, or embedded in concrete in non-hazardous areas. XD's are used with standard rigid conduit or PVC rigid conduit. (PVC requires rigid metal conduit nipples and rigid metal-to-PVC conduit adapters.) XD's provide a flexible and watertight connection for protection of conduit wiring systems from damage due to movement.

Typical applications include:

- Underground conduit feeder runs
- Runs between sections of concrete subject to relative movement
- Runs between fixed structures
- Conduit entrances in high-rise buildings
- Bridges
- Marinas, docks, piers

Features:

- XD couplings accommodate the following movements without collapsing or fracturing the conduit, and damaging the wires it contains:
 1. Axial expansion or contraction up to $\frac{3}{4}$ "
 2. Angular misalignment of the axes of the coupled conduit runs in any direction to 30°
 3. Parallel misalignment of the axes of coupled conduit runs in any direction to $\frac{3}{4}$ "
- Inner sleeve maintains constant I.D. in any position and provides a smooth insulated wireway for protection of wire insulation
- Watertight flexible neoprene outer jacket is corrosion resistant and protects the grounding strap and the attachment points of the hubs
- Tinned copper flexible braid grounding straps assure grounding continuity
- Stainless steel jacket clamps for strength and corrosion resistance
- Standard tapered electrical threads fit standard rigid conduit
- Integral hub bushing protects insulation of conductors

Standard Materials:

- Hubs – *Feraloy*® iron alloy
- Outer jacket – molded neoprene
- Jacket clamps – stainless steel
- Inner sleeve – molded plastic
- Grounding straps – tinned copper flexible braid

Standard Finishes:

- *Feraloy* – electrogalvanized
- Neoprene – natural (black)
- Molded plastic – natural (brown)

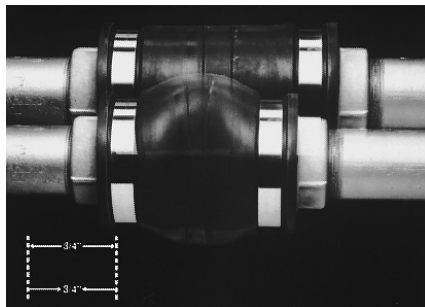
Certifications and

Compliances:

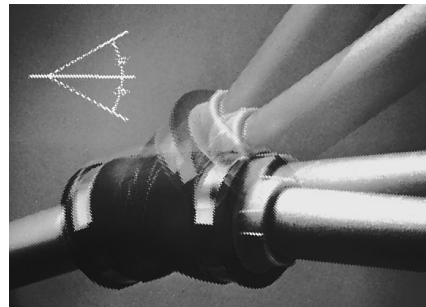
- UL standards: 514B

Size Ranges:

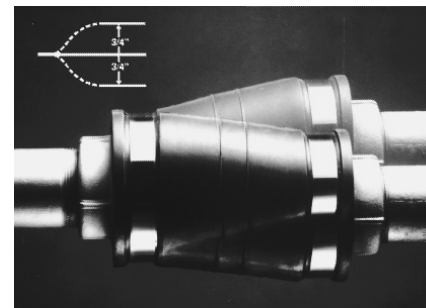
- 1" to 6" (Smaller sizes can be obtained by using reducing bushings)



1. Axial expansion/contraction.



2. Angular misalignment.



3. Parallel misalignment.

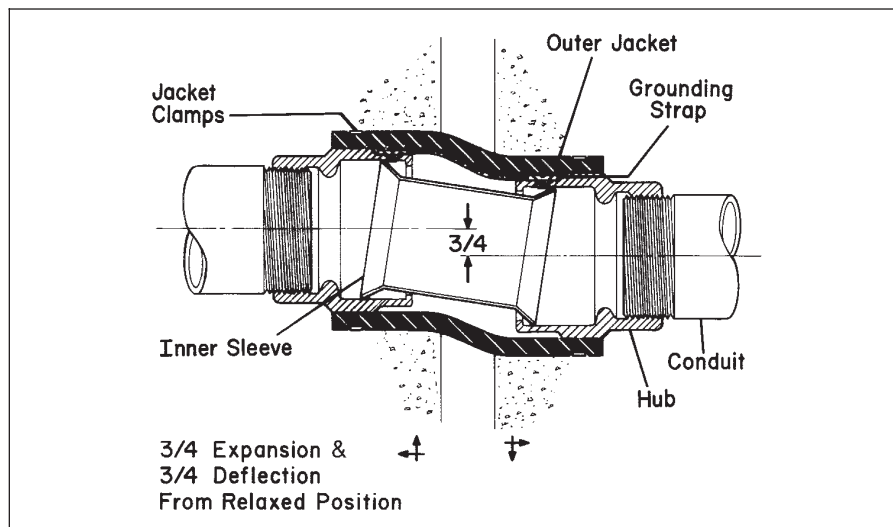
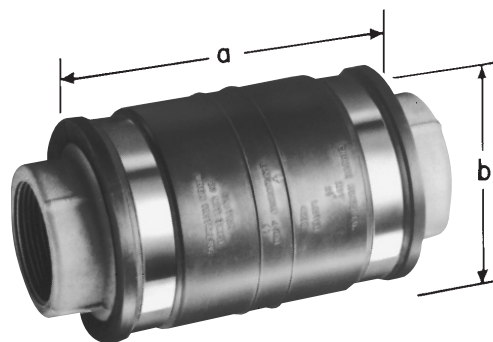
XD

Ordering Information

Hub Size	Cat. #	Hub Size	Cat. #
1	XD3	3	XD8
1 1/4	XD4	3 1/2	XD9
1 1/2	XD5	4	XD010
2	XD6	5	XD012
2 1/2	XD7	6	XD014

Dimensions

Hub Size	a	b
1	7	3 15/16
1 1/4	7 3/8	4 1/4
1 1/2	7 1/4	4 1/2
2	7 1/4	4 15/16
2 1/2	7 1/2	5 5/16
3	7 5/8	5 15/16
3 1/2	7 3/4	6 1/2
4	7 7/8	6 15/16
5	7 3/4	8
6	8 3/8	9



XJG Conduit Expansion Joints With Internal Grounding For Rigid Metal Conduit and IMC

Wet Locations

7F

Elbows, Couplings,
Reddy Devices,
Plugs, Etc.

Application:

XJG expansion couplings are used with rigid metal conduit and IMC:

- **without** the need for an external bonding jumper and clamps (up to 4")
- to couple together two (2) sections of conduit subject to longitudinal movement
- in long conduit runs to permit linear movement caused by thermal expansion and contraction.
- on long conduit runs to prevent conduit from buckling and ensuing circuit failures
- indoors or outdoors where conduit expansion occurs and there are wide temperature ranges
- in conduit runs that cross structural joints
- in conduit runs to prevent damage to conduit supports such as in a building or on a bridge
- **with optional redundant visible grounding strap**

Standard Materials and Finishes

Body

- Steel-electrogalvanized
- Copper-free aluminum - natural
- *Feraloy*[®] iron alloy - electrogalvanized (5" + 6" only)

Reducer

- ½" through 1" - Steel - electrogalvanized
- 1¼" through 6" - *Feraloy*[®] iron alloy - electrogalvanized and aluminum paint
- Copper-free aluminum - natural

Gland Nut

- ½" through 1" - Steel - electrogalvanized
- 1¼" through 6" - *Feraloy*[®] iron alloy - electrogalvanized and aluminum paint
- Copper-free aluminum - natural

Packing

- Teflon[®] (trademark of E.I. DuPont Co.)

Washer

- Steel - electrogalvanized
- Copper-free aluminum - natural

Gasket

- Vellum

Bushing

- ½" through 1" - Steel - electrogalvanized
- 1¼" through 6" - *Feraloy*[®] iron alloy - electrogalvanized and aluminum paint
- Copper-free aluminum - natural

Ground Springs

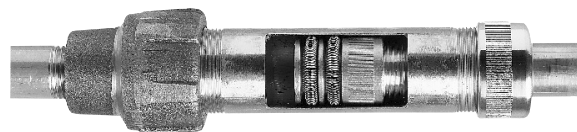
- Phosphor bronze - electrogalvanized

Ground Strap

- Braided tinned copper

U-Bolts

- Malleable iron - electrogalvanized



Patented Design

XJG – For use with rigid metal conduit and IMC

Conduit Size	Maximum Conduit Movement	Catalog Number	Optional Bonding Jumper†	A Diameter	B Length	Bonding Jumper Length
½	4	XJG14	BJ14	1.75	6.75	20"
	8	XJG18	BJ18	1.75	10.75	30"
¾	4	XJG24	BJ24	2.12	6.75	20"
	8	XJG28	BJ28	2.12	10.75	30"
1	4	XJG34	BJ34	2.43	7.25	20"
	8	XJG38	BJ38	2.43	11.25	30"
1¼	4	XJG44	BJ44	3.19	7.56	24"
	8	XJG48	BJ48	3.19	11.56	30"
1½	4	XJG54	BJ54	3.68	7.87	24"
	8	XJG58	BJ58	3.68	11.87	30"
2	4	XJG64	BJ64	4.75	8.25	24"
	8	XJG68	BJ68	4.75	12.25	30"
2½	4	XJG74	BJ74	4.87	9.31	24"
	8	XJG78	BJ78	4.87	13.31	36"
3	4	XJG84	BJ84	5.37	10.00	30"
	8	XJG88	BJ88	5.37	14.00	36"
3½	4	XJG94	BJ94	6.62	9.81	30"
	8	XJG98	BJ98	6.62	13.81	36"
4	4	XJG104	BJ104	6.62	9.81	30"
	8	XJG108	BJ108	6.62	13.81	36"
5	8	XJ128‡	-	7.64	15.50	-
6	8	XJ148‡	-	9.56	16.00	-

Options:

Available in copper-free aluminum – add suffix SA to Cat. No. (not available on 5" and 6" sizes)

Available with redundant† ground strap for visible indication of grounding – order separately (BJ Series)

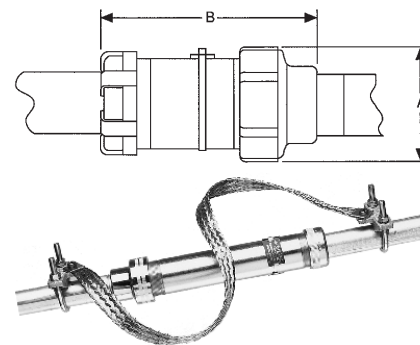
Size Ranges:

- ½" through 6" conduit size
- 4" and 8" maximum conduit movement

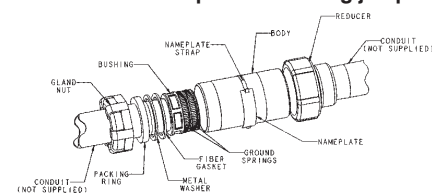
Certifications and Compliances:

- UL Standard: 514B
- CSA Standard: C22.2 No. 18
- NEC Articles 250-77 and 300-7 (b)
- NEMA FB1
- Wet Locations

Dimensions



XJG shown with optional bonding jumper



* Teflon[®] is a registered trademark of E.I. DuPont Co.

† XJG expansion couplings use a metallic bushing and ground springs to create a high integrity internal ground connection. External ground straps offer a redundant ground path and easy visible indication of ground

‡ XJ128 and XJ148 are not internally grounded. A pair of 36" bonding jumpers are provided with fitting.

XJG-EMT Conduit Expansion Joints With Internal Grounding For EMT Conduit

Application:

XJG expansion couplings are used with EMT Conduit:

- **without** the need for an external bonding jumper and clamps
- to couple together two (2) sections of conduit subject to longitudinal movement
- in long conduit runs to permit linear movement caused by thermal expansion and contraction.
- on long conduit runs to prevent conduit from buckling and ensuing circuit failures
- indoors or outdoors where conduit expansion occurs and there are wide temperature ranges
- in conduit runs that cross structural joints
- in conduit runs to prevent damage to conduit supports such as in a building or on a bridge
- **with optional redundant visible grounding strap**

Standard Materials and Finishes

Body

- Steel-electrogalvanized
- Copper-free aluminum - natural

Reducer

- 1/2" through 1" - Steel - electrogalvanized
- 1 1/4" through 4" - *Feraloy*® iron alloy - electrogalvanized and aluminum paint

Gland Nut

- 1/2" through 1" - Steel - electrogalvanized
- 1 1/4" through 4" - *Feraloy*® iron alloy - electrogalvanized and aluminum paint

Packing

- Teflon® (trademark of E.I. DuPont Co.)

Washer

- Steel - electrogalvanized

Gasket

- Vellum

Bushing

- 1/2" through 1" - Steel - electrogalvanized
- 1 1/4" through 4" - *Feraloy*® iron alloy - electrogalvanized and aluminum paint

Ground Springs

- Phosphor bronze - electrogalvanized

Ground Strap

- Braided tinned copper

U-Bolts

- Malleable iron - electrogalvanized

Options:

Available with redundant† ground strap for visible indication of grounding – order separately (BJ Series)

Size Ranges:

- 1/2" through 4" conduit size
- 4" maximum conduit movement

Certifications and Compliances:

- UL Standard: 514B
- CSA Standard: C22.2 No. 18
- NEC Articles 250-77 and 300-7 (b)
- NEMA FB1

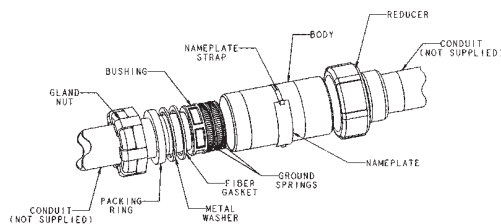


XJG-EMT – for use with EMT conduit

Conduit Size	Maximum Conduit Movement	Catalog Number	Optional Bonding Jumper	A Diameter	B Length
1/2"	4"	XJG14-EMT	BJ14	1 3/4"	10 3/4"
3/4"	4"	XJG24-EMT	BJ24	2 1/8"	11"
1"	4"	XJG34-EMT	BJ34	2 7/16"	11 1/2"
1 1/4"	4"	XJG44-EMT	BJ44	3 1/8"	15 1/4"
1 1/2"	4"	XJG54-EMT	BJ54	3 5/8"	15 1/2"
2"	4"	XJG64-EMT	BJ64	4 3/4"	15 1/2"
2 1/2"	4"	XJG74-EMT	BJ74	4 7/8"	18 3/4"
3"	4"	XJG84-EMT	BJ84	5 3/8"	19 7/8"
3 1/2"	4"	XJG94-EMT	BJ94	6 5/8"	21 1/4"
4"	4"	XJG104-EMT	BJ104	6 5/8"	21 1/4"



XJG shown with optional bonding jumper



* Teflon® is a registered trademark of E.I. DuPont Co.

† XJG expansion couplings use a metallic bushing and ground springs to create a high integrity internal ground connection. External ground straps offer a redundant ground path and easy visible indication of ground

XJGD Combination Expansion/Deflection Coupling and Expansion Joint Internally Grounded

Wet Locations

7F

Elbows, Couplings,
Grids, Devices,
Plugs, Etc.

Application:

XJGD combination fittings are used with rigid metal conduit and IMC:

- to accommodate axial expansion, angular misalignment and parallel misalignment
- to couple together two (2) sections of conduit subject to longitudinal movement
- to maintain a ground connection *without the need for an external bonding jumper and clamps*
- in long conduit runs to prevent conduit from buckling and causing circuit failures
- indoors or outdoors where conduit expansion occurs and there are wide temperature swings
- in conduit runs that cross structural joints
- in conduit runs to prevent damage to conduit supports such as in a building or on a bridge

Standard Materials:

- Body, Hubs, Gland Nut, Washer, Bushing – *Feraloy*[®]
- Packing – Teflon[®]
- Gasket – vellum
- Ground Spring – phosphor bronze
- Outer Jacket – molded neoprene
- Jacket Clamps – stainless steel
- Inner Sleeve – molded plastic
- Ground Straps – tinned copper braid

Standard Finishes:

- *Feraloy*[®] – electrogalvanized

Certifications and

Compliances:

- UL standard: 514B



XJGD Ordering Information

Hub Size	Maximum Conduit Movement	Catalog Number	A Diameter	B Length
1"	4"	XJGD34	3 ¹⁵ / ₁₆ "	17 ³ / ₄ "
1 ¹ / ₄ "	4"	XJGD44	4 ¹ / ₄ "	18 ¹ / ₈ "
1 ¹ / ₂ "	4"	XJGD54	4 ¹ / ₂ "	18 ⁵ / ₈ "
2"	4"	XJGD64	4 ¹⁵ / ₁₆ "	19 ¹ / ₄ "
2 ¹ / ₂ "	4"	XJGD74	5 ⁵ / ₁₆ "	20 ³ / ₄ "
3"	4"	XJGD84	5 ¹⁵ / ₁₆ "	21 ⁵ / ₈ "
3 ¹ / ₂ "	4"	XJGD94	6 ¹ / ₂ "	21 ⁵ / ₈ "
4"	4"	XJGD104	8"	27 ³ / ₄ "

(Also see Myers Hubs on page 234)

Application:

HUB Conduit Hubs:

- provide a convenient means for installing a threaded conduit hub on a junction box or device enclosure
- are used to connect conduit to a sheet metal or cast enclosure
- are used with threaded rigid conduit or IMC, steel or aluminum; indoors or outdoors

Features:

- Smooth insulated throat provides easier wire pulling and protection for conductors during installation.
- Neoprene sealing gasket provides a watertight seal.
- Compact design permits close spacing of conduit.
- Wide range of sizes from 1/2" to 4".

Standard Materials:

- 1/2" to 4" malleable iron

Standard Finishes:

- Feraloy iron alloy – electrogalvanized and aluminum acrylic paint

Size Ranges:

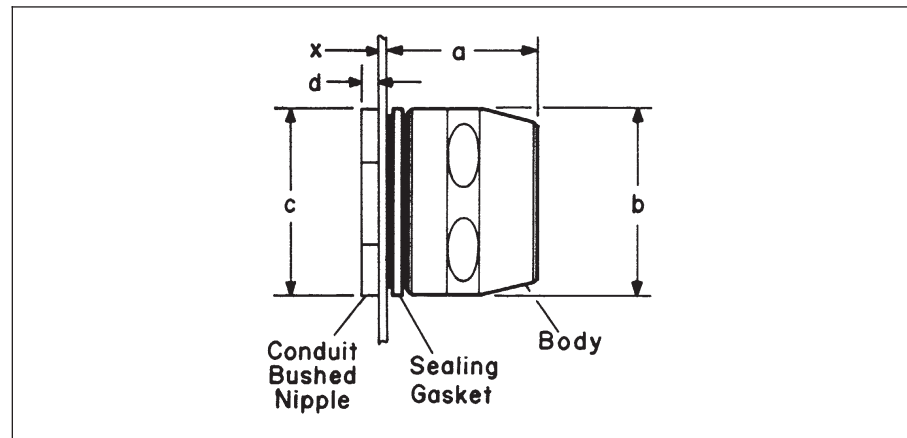
- 1/2" to 4"

Certifications and**Compliances:**

- UL Standard: 514B
- CSA Standard: C22.2 No. 18
- NEC/CEC:
Class I, Division 2, Groups A,B,C,D
Per NEC 501-4(b), 502-4(a) and 503-3(a)

**Conduit
Size****Cat. #**

1/2	HUB1
3/4	HUB2
1	HUB3
1 1/4	HUB4
1 1/2	HUB5
2	HUB6
2 1/2	HUB7
3	HUB8
3 1/2	HUB9
4	HUB10

Dimensions

Cat. #	Conduit Size	a	b	c	d	x
HUB1	1/2	1	1 1/4	1	1/8	9/64
HUB2	3/4	1 1/8	1 9/16	1 3/8	5/32	1/4
HUB3	1	1 3/8	1 7/8	1 5/8	3/16	9/32
HUB4	1 1/4	1 1/2	2 5/16	2	1/4	7/16
HUB5	1 1/2	1 5/8	2 1/2	2 3/8	1/4	7/16
HUB6	2	1 11/16	3	2 13/16	1/4	7/16
HUB7	2 1/2	2 3/16	3 5/8	3 7/16	1/4	7/16
HUB8	3	2 7/16	4 1/4	4 1/16	1/4	7/16
HUB9	3 1/2	2 7/16	4 3/4	4 1 1/16	5/16	3/4
HUB10	4	2 9/16	5 1/4	5 1/16	5/16	1 1/8

NOTE: Dimension "x" is maximum wall thickness of box that will meet the requirement for three full threads engagement of nipple and fitting body when liquidtight box connector or rigid conduit hub is installed in a knockout or slip hole.

Application:

GCR grounding receptacles are used to provide static electricity grounding connections; particularly suited for, but not limited to, use in aircraft hangar floors and airport aprons.

GCT ground connector and studs are used to provide "quick-connect" static electricity grounding connections with portable cable.

GC grounding strap and clamp are suitable for bonding and grounding equipment in wiring systems, such as meter circuits, service entrance equipment, and appliances per NEC requirements.

Features:

GCR grounding receptacles have:

- grounding stud integral with housing
- grounding stud designed to accept standard battery clip
- thread at bottom for attaching to $\frac{3}{4}$ " threaded grounding rod
- cover attached to receptacle by chain to prevent loss of cover
- corrosion resistant material

GCT grounding connector and studs have:

- substantial clip tension for grounding
- integral cable clamp to prevent cable from breaking free of connector or fraying at connector
- lock washer on stud to maintain good electrical contact

GC strap:

- is pliable, strong and corrosion resistant
- assures a lasting bond. Prongs on strap clamp engage strap perforations, preventing slippage.

Standard Materials:

- GCR – Bronze body, cap and chain
Brass grounding stud
- GCT – Bronze connector body, aluminum cable clamp, brass stud
- Strap – flexible copper
- Clamp – brass

Standard Finishes:

- Bronze, brass, aluminum parts – natural
- Flexible copper strap – tinned

Certifications and Complies:

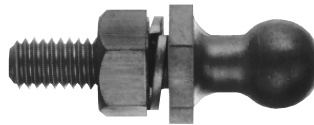
- UL Standard:
GC strap and clamps – 467
- CSA Standard: C22.2 No. 41



GCT Grounding Connector

Cable Dia.
.312" to .406"

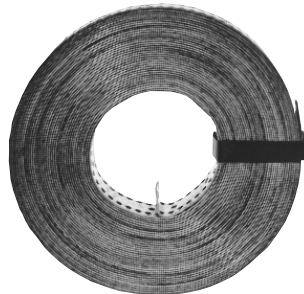
Cat. #
GCT8



GCT Stud*

Description	Thread Size	Cat. #
Brass	$\frac{3}{8}$ -16	GCT2

* Not a replacement for grounding stud in GCR receptacle.



GC Grounding Strap

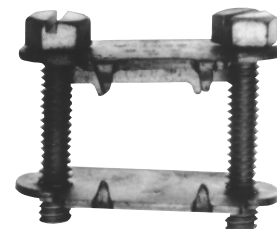
Used with GC102 Strap Clamp

Description	Cat. #
50' coil, 1" wide	GC100



GCR Receptacles For Static Electricity Grounding

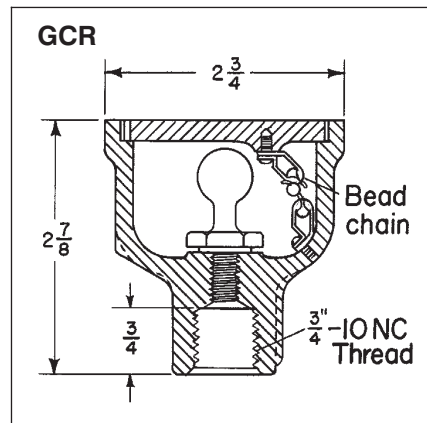
Description	Thread Size	Cat. #
With cap and chain	$\frac{5}{16}$ -18	GCR210



Strap Clamp

Description	Cat. #
Brass	GC102

Dimensions



Application:

F type service entrance heads are used:

- for overhead service entrance to buildings
- with threaded rigid, threadless rigid or threadless thinwall (EMT) conduit and rigid conduit masts

Features:

Two types available:

- threaded rigid – threads to conduit.
- threadless rigid or EMT – clamps to conduit.
- Available knockouts in covers allow use with variety of sizes and numbers of wires.
- Simple construction and easy assembly.
- Consists of only two pieces plus the insulating knockout cover.
- Easy to install.

Standard Materials:

- Copper-free aluminum

Standard Finishes:

- Natural

Certifications and Compliances:

- UL Standard: 514B
- CSA Standard: C22.2 No. 18



1/2" size



3/4" – 2" size



1/2" – 4" size



Clamp type

F Service Heads

Threaded Rigid

Conduit Size	Number and Dia. of Cover Knockouts	Cat. #	Replace-ment Cover Cat. #
1/2	6 - 9/32	F186	CF690
3/4	2 - 3/8 and 3 - 13/32	F285	5-H
1	2 - 7/16 and 3 - 1/2	F385	5-NS
1 1/4	2 - 27/64 and 3 - 5/8	F485	5-NL
1 1/2	2 - 27/64 and 3 - 5/8	F585	5-NL
2	2 - 7/8, 1 - 13/16, 1 - 11/16, 1 - 9/16 and 1 - 21/32	F686	CF60
2 1/2	2 - 17/16, 1 - 17/32, 1 - 1 1/64, 1 - 61/64 and 1 - 55/64	F766	CF707
3	2 - 17/16, 1 - 17/32, 1 - 1 1/64, 1 - 61/64 and 1 - 55/64	F866	CF707
3 1/2	3 - 1 3/4, 1 - 17/16, 1 - 1 5/16 and 1 - 1 3/16	F966	CF708
4	3 - 1 3/4, 1 - 17/16, 1 - 1 5/16 and 1 - 1 3/16	F1066	CF708

Clamp Type – Threaded Rigid or EMT

Conduit Size	Number and Dia. of Cover Knockouts	Cat. #	Replace-ment Cover Cat. #
3/4	2 - 3/8 and 3 - 13/32	F235	5-H
1	2 - 7/16 and 3 - 1/2	F335	5-NS
1 1/4	2 - 27/64 and 3 - 5/8	F435	5-NL
1 1/2	2 - 27/64 and 3 - 5/8	F535	5-NL
2	2 - 7/8, 1 - 13/16, 1 - 11/16, 1 - 9/16 and 1 - 21/32	F636	CF60

Overall Dimensions of Replacement Covers for F Series Service Heads

Cat. #	Dim.
CF690	1 1/2 dia.
5-H	1 31/32 dia.
5-NS	2 15/64 dia.
5-NL	2 19/32 dia.
CF60	3 9/16 dia.
CF707	7 13/16 x 3 11/16
CF708	10 1/4 x 4 3/4

Application:

LNR conduit liners are installed in rigid metal conduit or IMC:

- to provide a smooth wire entry from conduit into enclosures to protect wires from abrasion as they are pulled.
- with thin wall or thick wall enclosures.
- entering drilled and tapped openings or slip holes.
- entering an enclosure vertically or horizontally.
- regardless of where the conduit ends in relation to the enclosure wall.

Features:

- UL listed and CSA certified.
- No need for threaded bushings, reducers, or special machining.
- Corrosion and heat resistant polypropylene material.
- Smooth flange providing easy wire pulling and protects conductors being installed.
- Space saving.
- Molded ribs ensure a tight fit, preventing the liner from sliding out while conductors are being pulled.
- Quick and easy to install.

Standard Materials:

- Polypropylene

Standard Finishes:

- Natural (clear)

Sizes:

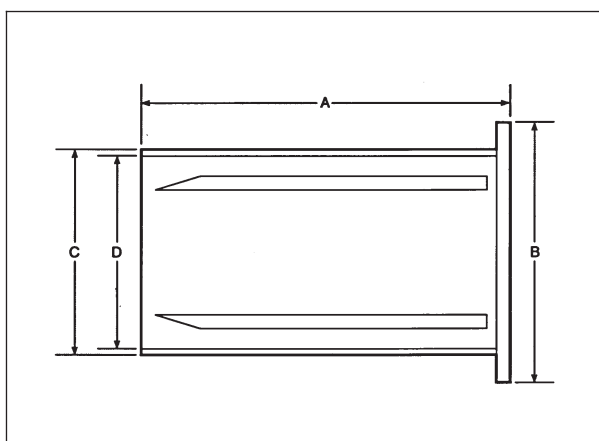
- 1/2" through 4"

Certifications and Compliances:

- NEC Article 346-8.
- UL Standard 514B.
- CSA Standard C22.2 No. 18.
- U.S. Patent No. 5,383,688.



Dimensions:



Ordering Information:

Cat. #	Size	A	B	C	D
LNR1	1/2"	1 3/16"	7/8"	5/8"	9/16"
LNR2	3/4"	1 9/16"	1 1/8"	13/16"	3/4"
LNR3	1"	2 1/16"	1 3/8"	1 1/16"	7/8"
LNR4	1 1/4"	2 1/16"	1 3/4"	1 3/8"	1 1/4"
LNR5	1 1/2"	2 9/16"	2"	1 5/8"	1 7/16"
LNR6	2"	2 9/16"	2 7/16"	2 1/16"	1 7/8"
LNR7	2 1/2"	2 7/8"	2 7/16"	2 1/4"	
LNR8	3"	2 7/8"	3 9/16"	3 1/16"	2 7/8"
LNR9	3 1/2"	3 1/16"	4 1/16"	3 9/16"	3 3/8"
LNR10	4"	3 1/16"	4 9/16"	4"	3 7/8"