

# ECGJH and ECLK Series Couplings

Cl. I, Groups A, B, C, D  
Cl. II, Groups E, F, G  
Cl. III

Explosionproof  
Dust-ignitionproof  
Wet Locations

4F

1/2" to 2" – Brass Construction

2 1/2" to 4" – Stainless Steel Construction Only

## Applications:

EC Series 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
- Liquidtight 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 stainless):  
Class I, Division 1, Groups A, B, C, D
- 1" to 2" (brass and stainless):  
Class I, Division 1, Groups C, D
- All sizes for use in Class II, Division 1,  
Groups E, F, G; Class III

### UL Standard:

- UL1203

### ATEX and IECEx – ECGJH S516 Only:

- 1/2" and 3/4" (4" to 36" flexible length only) – Ex d IIC, IP66
- 1" to 2" (4" to 36" flexible length only) –  
Ex d IIB, IP66

## Standard Materials and Finishes:

- End fittings – 1/2" to 2": forged brass, natural; 2 1/2" to 4": stainless steel, natural
- Female unions – 1/2" to 1": steel, electrogalvanized with chromate treatment; 1 1/4" to 4": Feraloy® iron alloy, electrogalvanized with aluminum acrylic paint
- 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



ECGJH (male connections at both ends)

## Options:

### Description

- All stainless steel..... **S516**  
*Available with ECGJH only*
- Flexible PVC protective coating..... **S758**  
*For severely corrosive locations*
- Special coupling lengths available up to 144 inches ..... **See details below**

*To order, change last two digits in any standard catalog number to the two or three digit length desired in whole inches (For example: to order a 3/4" hub size 110 inches long, use catalog number ECGJH2110)*

## Ordering Information:

Flexible Length (In.)	Hub Size	Cat. #	Flexible Length (In.)	Hub Size	Cat. #	Flexible Length (In.)	Hub 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			

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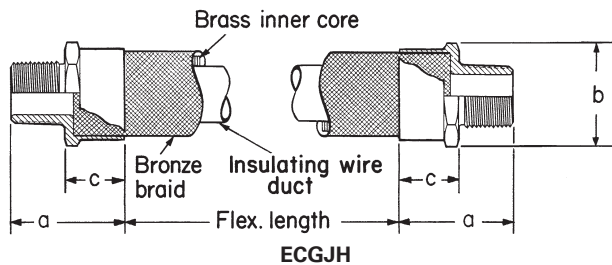


ECLK (ECGJH provided with UNF Female Union – male connection at one end, female connection at one end)

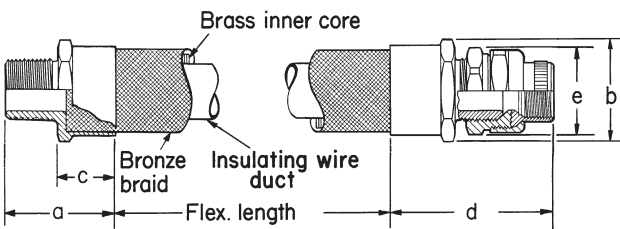
## Ordering Information (Continued):

Flexible Length (In.)	Hub Size	Cat. #	Flexible Length (In.)	Hub Size	Cat. #	Flexible Length (In.)	Hub 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 (in Inches):



ECGJH



ECLK

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

## Minimum Recommended Radius of Bend

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