

ECGJH and ECLK Flexible Couplings

Explosionproof, Dust-Ignitionproof

For Use with Threaded Rigid Metal Conduit and IMC.

NEC/CEC — 1/2" and 3/4" Sizes:

Class I, Division 1 and 2, Groups A, B, C, D
Class I, Zone 1 and 2, Groups IIA, IIB, IIC
Class II, Division 1 and 2, Groups E, F, G
Class III

NEC/CEC — 1" Size:

Class I, Division 1 and 2, Groups C, D
Class I, Zone 1 and 2, Groups IIA, IIB
Class II, Division 1 and 2, Groups E, F, G
Class III

NEC/CEC — 1-1/4" thru 4" Sizes:

Class I, Division 1 and 2, Group D
Class I, Zone 1 and 2, Group IIA
Class II, Division 1 and 2, Groups E, F, G
Class III

Applications

- Used in areas where vibration and/or movement is a problem.
Also used in place of rigid conduit in difficult-bend situations.

Features

- Explosionproof, dust-ignitionproof, watertight
- Smooth, rounded integral bushing in each hub protects conductor insulation.
- Accurately tapped, tapered threads for tight, rigid joints and ground continuity.
- Heavy duty design resists mechanical abuse.
- Electrical conductivity equal to rigid conduit on a similar length basis—no bonding jumper required.
- Interior insulating liner protects conductors from abrasion under vibrating conditions.
- ECGJH: both end fittings are female, each furnished with a removable male nipple.
- ECLK: female end fitting with union at one end and a female end fitting with a removable male nipple at the other end.

Standard Materials

- Flexible coupling is constructed from brass tubing and bronze outer braid, with insulating liner
- 1/2" - 1" trade size
Bronze end fittings with zinc plated steel UNF female union on one end and steel close nipple on the other
- 1-1/4" - 2" trade size
Bronze end fittings with malleable iron UNF female union on one end and steel close nipple on other end
- Unions: 1/2" thru 1" zinc plated steel; 1-1/4" thru 2" ductile iron

Standard Finishes

- Natural finish

Options

- 1/2" through 2" available in stainless steel. Add suffix **-SS**.
ECLK Union is zinc plated steel. Stainless steel union available in 1/2" through 1". Add suffix **-SU**.
- 1/2" through 1" stainless steel nipple. Add suffix **-NS**
- Custom lengths available—consult factory

NEC/CEC Certifications and Compliances

- UL Standard: 886
- UL Listed: E-34997 ①
- CSA Standard: C22.2 No. 30
- CSA Certified: 009795 ①
- NEC Articles 500-503 and 505
- Suitable for wet locations



ECGJH

Suitable for Wet Locations – Two Removal Male Nipples



ECLK

One Removal Male Nipple, One Removable Union

① UL Listing and CSA Certification not applicable over 2" Trade Size.

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HAZARDOUS LOCATION FITTINGS: NEC/CEC EXPLOSIONPROOF CONDUIT FITTINGS

OZGEDNEY

Size (Inches)		Catalog Number	
Flex Length	Diameter Size	ECGJH	ECLK
4	1/2	ECGJH-50-4 ◇	ECLK-50-4 ◇
4	3/4	ECGJH-75-4 ◇	ECLK-75-4 ◇
6	1/2	ECGJH-50-6 ◇	ECLK-50-6 ◇
6	3/4	ECGJH-75-6 ◇	ECLK-75-6 ◇
6	1	ECGJH-100-6	ECLK-100-6
8	1/2	ECGJH-50-8 ◇	ECLK-50-8 ◇
8	3/4	ECGJH-75-8 ◇	ECLK-75-8 ◇
8	1	ECGJH-100-8	ECLK-100-8
10	1/2	ECGJH-50-10 ◇	ECLK-50-10 ◇
10	3/4	ECGJH-75-10 ◇	ECLK-75-10 ◇
10	1	ECGJH-100-10	ECLK-100-10
12	1/2	ECGJH-50-12 ◇	ECLK-50-12 ◇
12	3/4	ECGJH-75-12 ◇	ECLK-75-12 ◇
12	1	ECGJH-100-12	ECLK-100-12
12	1-1/4	ECGJH-125-12	ECLK-125-12
12	1-1/2	ECGJH-150-12	ECLK-150-12
12	2	ECGJH-200-12	ECLK-200-12
12	2-1/2	ECGJH-250-12	
12	3	ECGJH-300-12	
12	4	ECGJH-400-12	
15	1/2	ECGJH-50-15 ◇	ECLK-50-15 ◇
15	3/4	ECGJH-75-15 ◇	ECLK-75-15 ◇
15	1	ECGJH-100-15	ECLK-100-15
15	1-1/4	ECGJH-125-15	ECLK-125-15
15	1-1/2	ECGJH-150-15	ECLK-150-15
15	2	ECGJH-200-15	ECLK-200-15
15	2-1/2	ECGJH-250-15	
15	3	ECGJH-300-15	
15	4	ECGJH-400-15	
18	1/2	ECGJH-50-18 ◇	ECLK-50-18 ◇
18	3/4	ECGJH-75-18 ◇	ECLK-75-18 ◇
18	1	ECGJH-100-18	ECLK-100-18
18	1-1/4	ECGJH-125-18	ECLK-125-18
18	1-1/2	ECGJH-150-18	ECLK-150-18
18	2	ECGJH-200-18	ECLK-200-18
18	2-1/2	ECGJH-250-18	
18	3	ECGJH-300-18	
18	4	ECGJH-400-18	
21	1/2	ECGJH-50-21 ◇	ECLK-50-21 ◇
21	3/4	ECGJH-75-21 ◇	ECLK-75-21 ◇
21	1	ECGJH-100-21	ECLK-100-21
21	1-1/4	ECGJH-125-21	ECLK-125-21
21	1-1/2	ECGJH-150-21	ECLK-150-21
21	2	ECGJH-200-21	ECLK-200-21
21	2-1/2	ECGJH-250-21	
21	3	ECGJH-300-21	
21	4	ECGJH-400-21	

Size (Inches)		Catalog Number	
Flex Length	Diameter Size	ECGJH	ECLK
24	1/2	ECGJH-50-24 ◇	ECLK-50-24 ◇
24	3/4	ECGJH-75-24 ◇	ECLK-75-24 ◇
24	1	ECGJH-100-24	ECLK-100-24
24	1-1/4	ECGJH-125-24	ECLK-125-24
24	1-1/2	ECGJH-150-24	ECLK-150-24
24	2	ECGJH-200-24	ECLK-200-24
24	2-1/2	ECGJH-250-24	—
24	3	ECGJH-300-24	—
24	4	ECGJH-400-24	—
27	1/2	ECGJH-50-27 ◇	ECLK-50-27 ◇
27	3/4	ECGJH-75-27 ◇	ECLK-75-27 ◇
27	1	ECGJH-100-27	ECLK-100-27
27	1-1/4	ECGJH-125-27	ECLK-125-27
27	1-1/2	ECGJH-150-27	ECLK-150-27
27	2	ECGJH-200-27	ECLK-200-27
27	2-1/2	ECGJH-250-27	
27	3	ECGJH-300-27	
27	4	ECGJH-400-27	
30	1/2	ECGJH-50-30 ◇	ECLK-50-30 ◇
30	3/4	ECGJH-75-30 ◇	ECLK-75-30 ◇
30	1	ECGJH-100-30	ECLK-100-30
30	1-1/4	ECGJH-125-30	ECLK-125-30
30	1-1/2	ECGJH-150-30	ECLK-150-30
30	2	ECGJH-200-30	ECLK-200-30
30	2-1/2	ECGJH-250-30	
30	3	ECGJH-300-30	
30	4	ECGJH-400-30	
33	1/2	ECGJH-50-33 ◇	ECLK-50-33 ◇
33	3/4	ECGJH-75-33 ◇	ECLK-75-33 ◇
33	1	ECGJH-100-33	ECLK-100-33
33	1-1/4	ECGJH-125-33	ECLK-125-33
33	1-1/2	ECGJH-150-33	ECLK-150-33
33	2	ECGJH-200-33	ECLK-200-33
33	2-1/2	ECGJH-250-33	
33	3	ECGJH-300-33	
33	4	ECGJH-400-33	
36	1/2	ECGJH-50-36 ◇	ECLK-50-36 ◇
36	3/4	ECGJH-75-36 ◇	ECLK-75-36 ◇
36	1	ECGJH-100-36	ECLK-100-36
36	1-1/4	ECGJH-125-36	ECLK-125-36
36	1-1/2	ECGJH-150-36	ECLK-150-36
36	2	ECGJH-200-36	ECLK-200-36
36	2-1/2	ECGJH-250-36	
36	3	ECGJH-300-36	
36	4	ECGJH-400-36	

NOTE: Unions are not available in stainless steel.

◇ Indicates items in the shaded area which are UL Listed for Class I, Groups A, B, C, D; Class II, Groups E, F, G; Class III.

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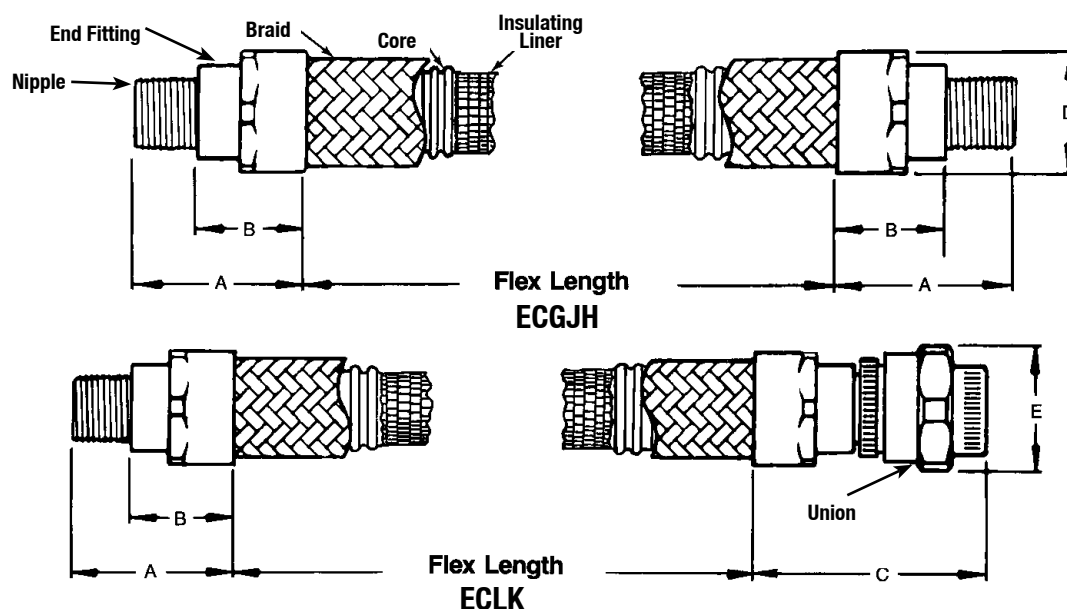
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NEC/CEC — 1" Size:
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 Class I, Zone 1 and 2, Groups IIA, IIB
 Class II, Division 1 and 2, Groups E, F, G
 Class III

NEC/CEC — 1-1/4" thru 4" Sizes:
 Class I, Division 1 and 2, Group D
 Class I, Zone 1 and 2, Group IIA
 Class II, Division 1 and 2, Groups E, F, G
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ECGJH and ECLK Dimensions in Millimeters (Inches)

Coupling Size (Inches)	A	B	C	D	E	Bending Radius ①
1/2	52.4 (2.06)	34.9 (1.38)	76.2 (3.00)	35.7 (1.41)	37.3 (1.47)	254.0 (10.00)
3/4	57.2 (2.25)	34.9 (1.38)	82.6 (3.25)	44.5 (1.75)	44.5 (1.75)	304.8 (12.00)
1	68.3 (1.69)	44.5 (1.75)	92.1 (3.63)	52.4 (2.06)	50.8 (2.00)	355.6 (14.00)
1-1/4	76.2 (3.00)	51.6 (2.03)	111.1 (4.38)	66.7 (2.63)	71.4 (2.81)	406.4 (16.00)
1-1/2	85.7 (3.38)	55.6 (2.19)	115.9 (4.56)	79.4 (3.13)	77.8 (3.06)	406.4 (16.00)
2	100.0 (3.94)	61.9 (2.44)	125.4 (4.94)	98.4 (3.88)	94.5 (3.72)	457.2 (18.00)
2-1/2	101.6 (4.00)	66.7 (2.63)	158.8 (6.25)	114.3 (4.50)	123.8 (4.88)	381.0 (15.00)
3	102.4 (4.03)	66.7 (2.63)	158.8 (6.25)	127.8 (5.03)	136.5 (5.38)	584.2 (23.00)
4	104.0 (4.09)	66.7 (2.63)	161.9 (6.38)	168.3 (6.63)	163.5 (6.44)	1219.2 (48.00)



① Bending Radius shown is minimum recommended.