

# Couplings

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

Explosionproof  
Dust-Ignitionproof  
Wet Locations

**5F**

**1/2"-2" Brass Construction**  
**2-1/2-4" Stainless Steel construction only**

## 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, Groups A, B, C, D
  - 1" to 2" (Brass and S516) – Class I, Division 1, Groups C, D
- All sizes also for use in Class II, Division 1, Groups E, F, G and Class III
- UL Standard: 1203
- ATEX and IECEx - **ECGJH S516 Only**:
  - 1/2" and 3/4" (4" to 36" flexible length only) – Ex d IIC, IP66
  - 1", 1 1/4", 1 1/2", 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

## Options:

### Description

All stainless steel (available for ECGJH only)

For severely corrosive locations, a flexible PVC protective coating will be supplied

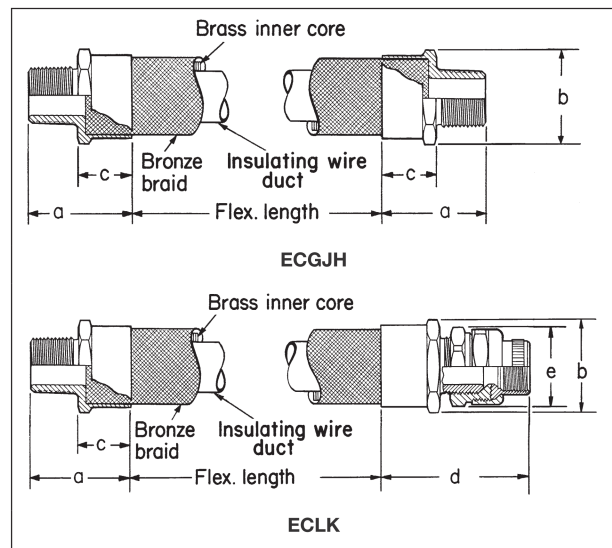
Special coupling lengths available up to 144 inches. To order, change last two digits in any standard catalog number to the two or three digit length desired in whole inches i.e. To order a 3/4" trade size 110 inches long, use catalog number ECGJH2110.



**ECGJH (Male connections both ends)**

| 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  |                       |       |           |

## Dimensions In Inches:



# Crouse-Hinds

by **F.T.M.**

**5F**