

# GROOVED DRAIN ELBOW

## Model DE1



The Model DE1 is a grooved-end ductile iron cast elbow with an integral 1" NPT drain.

The DE1 was primarily designed for, but not limited to, used on fire protection standpipes



### Pipe Material

- Carbon steel, Schedule 10, Schedule 40.

### Maximum Working Pressure

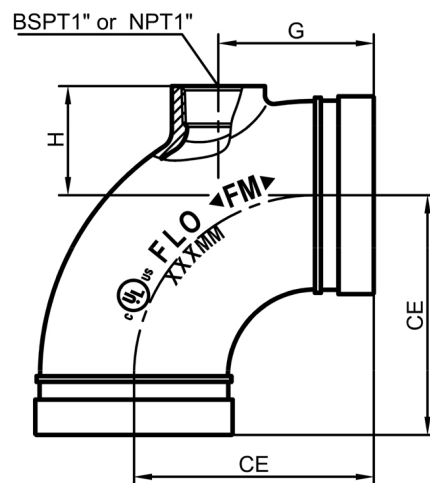
- Up to 300 psi/20 bar

### Function

- Joins carbon steel pipe.
- Provides a rigid pipe joint designed to restrict axial or angular movement.

### CERTIFICATIONS/LISTINGS

Underwriters Laboratories,  
Underwriters Laboratories Canada,  
Factory Mutual.



### SPECIFICATIONS - MATERIAL

#### Housing Sections:

Ductile Iron conforming  
to ASTM A 536,  
Grade 65-45-12.

#### Housing Coating:

Standard: Orange Enamel  
Available:  
Hot Dipped Galvanized

|         |                       |                    |                                 | Dimensions          |                   |                   |
|---------|-----------------------|--------------------|---------------------------------|---------------------|-------------------|-------------------|
| Item #  | Nominal Size<br>in/mm | Pipe O.D.<br>in/mm | Max Working Pressure<br>psi/Bar | C-E<br>inches<br>mm | H<br>inches<br>mm | G<br>inches<br>mm |
| 7010054 | 2                     | 2.375              | 300                             | 2.27                | 1.75              | 2.0               |
|         | 50                    | 60.3               | 20                              | 83                  | 44.5              | 50.8              |
| 7010055 | 2-1/2                 | 2.875              | 300                             | 3.74                | 2.75              | 2.0               |
|         | 65                    | 73.0               | 20                              | 95                  | 69.85             | 50.8              |
| 7010056 | 3                     | 3.5                | 300                             | 4.25                | 2.50              | 2.0               |
|         | 80                    | 88.9               | 20                              | 108                 | 63.5              | 50.8              |
| 7010057 | 4                     | 4.5                | 300                             | 5.00                | 3.0               | 2.25              |
|         | 100                   | 114.3              | 20                              | 127                 | 76.2              | 57.15             |
| 7010058 | 6                     | 6.625              | 300                             | 6.50                | 4.0               | 2.50              |
|         | 150                   | 165.3              | 20                              | 185                 | 101.6             | 63.5              |

- Working Pressure is total, from all internal and external loads, based on standard weight (ANSI) steel pipe, standard roll or cut grooved in accordance with ARGCO specifications.
- The allowable pipe separation dimension shown is for system layout purposes only. ARGCO couplings are considered rigid connections and will not accommodate expansion or contraction of the piping system.
- When assembling ARGCO couplings onto end caps, take additional care to make certain the end cap is fully seated against the gasket end stop.

|              |  |          |  |              |  |           |  |
|--------------|--|----------|--|--------------|--|-----------|--|
| System No.   |  | Location |  | Spec Section |  | Paragraph |  |
| Submitted By |  | Date     |  | Approved     |  | Date      |  |