

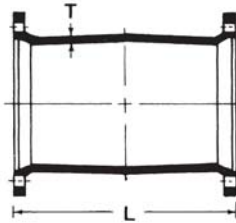
# Mechanical Joint Duo-Sleeve

[Dual-Purpose Sleeve]

Class 350

Many older pipelines that are still in service were constructed with cast (gray) iron pipe. Prior to the introduction of centrifugal casting, and the adoption of standardized dimensions in the waterworks industry, pipe were produced by “pit casting” methods. Pit cast pipe had a larger diameter (OD) than currently manufactured ductile iron pipe. While the older type of pipe is no longer manufactured, it is sometimes necessary to connect a new ductile iron pipe or fitting to the older lines.

The Griffin Duo-Sleeve is designed with a larger inner diameter for use on older pipelines of cast iron with oversized diameters (O.D.). The Duo-Sleeve allows cutting into and adapting to the older pipelines with newer ductile iron pipe, fittings or valves. The current C153 compact mechanical joint ductile iron sleeves will not adapt to the oversize cast iron pipe. The Duo-Sleeve has larger dimensions in the gasket/gland area and will fit oversize pipe as well as new ductile iron pipe. The Duo-Sleeve requires the use of a special Duo-Gland that is supplied with each Duo-Sleeve. The gasket is the current C111 mechanical joint gasket (gasket not supplied with the fitting).



| Fitting Size<br>(in.) | Suitable<br>Pipe<br>Sizes<br>(O.D. in.) | Dimensions (in.) |              |  | Minimum<br>Weight<br>(lbs.) |
|-----------------------|---|------------------|--------------|--|-----------------------------|
|                       |   | T<br>nominal     | L<br>nominal | Inside<br>Diameter<br>nominal<br>(+.07 / -.03) |                             |
| 4"                    | 4.80 - 5.00                             | 0.35             | 12.0         | 5.12   | 23                          |
| 6"                    | 6.90 - 7.10                             | 0.37             | 12.0         | 7.22   | 49                          |
| 8"                    | 9.05 - 9.30                             | 0.39             | 12.0         | 9.42   | 65                          |
| 10"                   | 11.10 - 11.40                           | 0.40             | 12.0         | 11.52  | 86                          |
| 12"                   | 13.20 - 13.50                           | 0.43             | 12.0         | 13.62  | 111                         |