

## Material Specification – 1 for DUCTILE IRON PIPE

### Push-On Single Gasket Joint: 3 through 42-Inch Nominal Diameter

**1. GENERAL**

DI pipe shall be manufactured in accordance with AWWA C151 with the following additional requirements or exceptions.

**2. SIZE OF PIPE**

This Specification covers DI pipe in 3, 4, 6, 8, 10, 12, 16, and 20-inch nominal diameters.

**3. JOINT TYPE**

The joint type shall be push-on single gasket in accordance with the applicable requirements of AWWA C111. Other joint types may be acceptable if specifically approved by Denver Water.

**4. PIPE WALL THICKNESS**

Pipe furnished under this Specification shall have the following minimum DI wall thickness:

Nominal Pipe Diameter (Inches)	Minimum DI Wall Thickness (Inches)
3	0.25
4	0.26
6	0.25
8	0.27
10	0.29
12	0.31
16	0.34
20	0.36

**5. PIPE LENGTH**

Pipe furnished under this Specification shall have a nominal laying length of 18 feet or 20 feet. Random lengths are not acceptable.

**6. MATERIAL STRENGTH**

The grade of iron shall be 60/42/10.

**7. LININGS**

Pipe furnished under this Specification shall have standard thickness cement-mortar linings in accordance with AWWA C104.

**8. CERTIFICATION**

The manufacturer shall furnish a sworn statement that the inspection and all specified tests have been completed and that results comply with the requirements of these Standards. A copy of the Certification, including compliance with NSF/ANSI 61, shall be provided to Denver Water.

**9. PLACE OF MANUFACTURE**

DI pipe installed in City and County of Denver and Total Service contract areas shall be manufactured domestically.

**10. ACCEPTABLE MANUFACTURERS**

<b>Manufacturers</b>	<b>Size (Inches)</b>
American Cast Iron Pipe Company	4 to 20
McWane Ductile	3 to 20
U.S. Pipe and Foundry Company/Griffin Pipe Products	3 to 20

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Ductile Iron Pipe*