
MATERIAL SPECIFICATION
MS-OR-553 DUCTILE-IRON PIPE

553.1 SCOPE

This specification covers the quality of ductile-iron pipe and fittings.

553.2 PIPE

Ductile-iron pipe shall conform to the requirements of ANSI/AWWA C151/A21.51, Ductile-Iron Pipe, Centrifugally Cast in Metal Molds or Sand-Lined Molds for Water or Other Liquids, and ANSI/AWWA C115/A21.15, Flanged Ductile-Iron Pipe with Threaded Flanges.

553.3 FITTINGS

Ductile-iron pipe fittings shall conform to the requirements of ANSI/AWWA C110/A21.10, Ductile-Iron and Gray-Iron Fittings, 3-inch through 48-inch, for Water and Other Liquids, and ANSI/AWWA C153/A21.53, Ductile-Iron Compact Fittings, 3-inch through 12-inch, for Water and Other Liquids.

553.4 JOINTS

Rubber-gasket joints for ductile-iron pipe and fittings where either mechanical or push-on joints are used shall conform to the requirements of ANSI/AWWA C111/A21.11, Rubber-Gasket Joints for Ductile-Iron and Gray-Iron Pressure Pipe and Fittings.

553.5 LINING

Interior lining for ductile-iron pipe and fittings shall conform to the requirements of ANSI/AWWA C104/A21.4, Cement Mortar Lining for Ductile-Iron Pipe and Fittings for Water.

553.6 ENCASEMENT

Encasement for ductile-iron pipe and fittings shall conform to the requirements of ANSI/AWWA C105/A21.5-88, Polyethylene Encasement for Ductile-Iron Pipe for Water and Other Liquids.