

**INTERNATIONAL ASSOCIATION OF PLUMBING  
AND MECHANICAL OFFICIALS**

**MATERIAL AND PROPERTY STANDARD**

**FOR**

**GROOVED MECHANICAL PIPE COUPLINGS  
AND GROOVED END FITTINGS**

**IAPMO PS 53-2008**

**1. PURPOSE**

- 1.1** The purpose of this standard is to establish a generally acceptable standard for grooved mechanical pipe couplings and fittings for copper, ductile or cast iron, PVC plastic, steel and stainless steel piping systems. Its purpose is to serve as a guide for producers, distributors, architects, engineers, contractors, installers, inspectors and users; to promote understanding regarding materials, manufacture and installation; and to provide for identifying units complying with this standard.
- 1.2** The provisions of this standard are not intended to prevent the use of any alternate material or method of construction, provided any such alternate meets the intent and requirements of this document and changes are amended to this standard.

**2. SCOPE**

- 2.1** This standard covers physical and performance requirements, materials and other significant properties, in addition to general description of materials used. Certain features of construction of the finished product are given, together with the method of marking and identification.

**3. REFERENCED STANDARDS**

- 3.1** All standards referenced herein shall be the current edition of those standards.

ASTM A 47	Ferritic Malleable Iron Castings
ASTM A 153	Zinc Coating (Hot-Dip) on Iron and Steel Hardware
ASTM A 183	Carbon Steel Track Bolts and Nuts
ASTM A 193	Alloy-Steel and Stainless Steel Bolting Materials for High Temperature or High Pressure Service and Other Special Purpose Applications
ASTM A 536	Ductile Iron Castings
ASTM B 633	Electrodeposited Coatings of Zinc on Iron and Steel

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