

IAPMO PS 53-2013

Grooved Mechanical Pipe Couplings and Grooved Fittings



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1 Scope

- 1.1 This Standard covers grooved mechanical pipe couplings and grooved fittings and gaskets for pressure applications intended for use with copper, ductile iron, cast iron, PVC, steel, and stainless steel pipe and specifies requirements for materials, physical characteristics, performance testing, and markings.
- 1.2 The requirements of this Standard are not intended to prevent the use of alternative materials or methods of construction provided such alternatives meet the intent and requirements of this Standard.
- 1.3 Proposals for amendments to this Standard will be processed in accordance with the standards writing procedures of IAPMO.
- 1.4 The user's attention is called to the possibility that compliance with this Standard may require use of an invention covered by patent rights. By publication of this Standard, no position is taken with respect to the validity of any such claim(s) or of any patent rights in connection therewith. If a patent holder has filed a statement of willingness to grant a license under these rights on reasonable and nondiscriminatory terms and conditions to applicants desiring to obtain such a license, then details can be obtained from IAPMO.

2 Reference Publications

This Standard refers to the following publications, and where such reference is made, it shall be to the current edition of those publications, including all amendments published thereto.

ASME B1.1	Unified Inch Screw Threads, UN and UNR Thread Form
ASME B1.13M	Metric Screw Threads: M Profile
ASTM A47	Standard Specification for Ferritic Malleable Iron Castings
ASTM A53/A53M	Standard Specification for Pipe, Steel, Black and Hot-Dipped, Zinc-Coated, Welded and Seamless
ASTM A135/A135M	Standard Specification for Electric-Resistance-Welded Steel Pipe
ASTM A153	Standard Specification for Zinc Coating (Hot-Dip) on Iron and Steel Hardware
ASTM A183	Standard Specification for Carbon Steel Track Bolts and Nuts