



Commanding a Higher StandardSM

THE PHOENIX FORGE GROUP

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PRODUCT SPECIFICATION BULLETIN

CERTIFICATE of COMPLIANCE

COUPLINGS - EXTRA HEAVY

We hereby certify that the extra heavy full and half couplings manufactured by Capitol Manufacturing are manufactured in the United States of America and meet the requirements listed below.

Dimensions: Extra heavy full couplings, sizes 1/4" - 3", conform to the dimensional requirements of the American Association of Railroads (AAR). Extra heavy non-recessed full couplings, sizes 1/8" to 12" conform to the OD dimensional requirements of API 5L. Extra heavy recessed full couplings, sizes 1/8" to 12" conform to the all dimensional requirements of API 5L.

Threads: The threads of extra heavy non-recessed full and half couplings conform to ASME B1.20.1. The threads of extra heavy recessed full and half couplings conform to API Standard 5B.

Material: 1/8" - 6" extra heavy (300 lb.) taper-tapped full and half couplings are manufactured from AISI Grade 1022 steel conforming to ASTM/ASME A/SA 53 Grade B Type S, ASTM A106 Grade B, and API 5L Grade B requirements. These products are acceptable for use in sour service applications conforming to the applicable metallurgical and hardness requirements of requirements of NACE MR0175, NACE MR0103, and ISO 15156 and do not exceed a Rockwell hardness of C-22 or a Brinnell hardness of 187 HBW maximum.

Marking:

1/8" - 6" extra heavy (300lb.) taper-tapped full and half couplings are marked "Ø XH".

1/4" - 3" extra heavy (300 lb.) taper-tapped full couplings are marked "AAR-300-Cap Logo".

3-1/2" - 6" extra heavy (300 lb.) taper-tapped full couplings are marked "Ø XH".

Surface Finish:

Black Couplings: Zinc phosphate coated with light, dry to touch oil supplied as standard.

Galvanized Couplings: Electro-zinc plated per ASTM B633, Type III, SC2.

These products are manufactured in accordance with the Capitol Manufacturing and Phoenix Forging Company Certified Quality System Program conforming to ISO 9001:2008. These products are inspected by independent quality control personnel conforming to the requirements of EN 10204 Section 3.1. These products were not exposed to mercury or any other metal alloy that is liquid at ambient temperatures during processing or while in our possession

These products do not include heavy metals (lead, mercury, cadmium, and hexavalent chromium) and brominated flame retardants (polybrominated biphenyls (PBB) or polybrominated diphenyl ethers (PBDE) and fully comply with the European Directive EU 2011/65/EC RoHS requirements. We further certify that these products fully conform to the low lead Safe Drinking Water Act of 2014 and NSF 61 requirements containing less than 0.25% lead.

Bulletin: **B-05.01 Rev. 7** Date: **01/01/16** Approved: **Guy Cuccio** Title: **Technical Services Mgr.**

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