



Commanding a Higher Standard<sup>SM</sup>

## THE PHOENIX FORGE GROUP

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### PRODUCT SPECIFICATION BULLETIN

#### CERTIFICATE of COMPLIANCE

#### PIPE NIPPLES – STAINLESS STEEL ASTM A312 SEAMLESS

We hereby certify that the type 304/304L and 316/316L seamless stainless pipe nipples manufactured by Capitol Manufacturing and CapProducts Ltd. conform to the dimensional requirements of ASTM A733. 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.

The raw material used to produce these nipples conforms to the chemical and mechanical requirements of ASTM/ASME A312/SA312. These products conform to the applicable requirements of CSA-B51, ASME B31.1, B31.3, B31.8, and ASME Section VIII, Division 1 Boiler and Pressure Vessel Codes. These products have been pickled and passivated in accordance with ASTM A380.

The threads of these nipples are manufactured in accordance with the ASME B1.20.1 standard. We certify that Capitol Manufacturing and CapProducts Ltd brand pipe nipples are respectfully manufactured and inspected in the Canada.

This certification of compliance conforms to requirements of DIN 50.049 3.1. All measuring and test equipment used for acceptance of these products fully conform to specified requirements and have been calibrated in accordance with MIL-STD-45662, ANSI/NCSS Z540-1-1994, and ISO 10012-1.

These products are manufactured in accordance with the Capitol Manufacturing and CapProducts Ltd. 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.

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