



THREAD O LETS

THE PHOENIX FORGE GROUP

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PRODUCT SPECIFICATION BULLETIN

CERTIFICATE of COMPLIANCE

TRANS-O-CON® BRANCH CONNECTIONS

We hereby certify that the TRANS-O-CON® forged branch connections manufactured by Phoenix Forging Company conform to the requirements of the latest edition of MSS SP-97. These products conform to the applicable metallurgical and hardness 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.

We further certify that these branch connections fully conform to the chemical and mechanical requirements of the latest edition of ASTM/ASME A105/SA105. Mill test reports are retained at Phoenix Forging Company and are available upon request. These products conform to the applicable requirements of CSA-51, ASME B31.1, B31.3, and ASME Section VIII, Division 1 Boiler and Pressure Vessel Codes.

These branch connections are capable of passing a hydrostatic test compatible with the rate of the finished forging. The ends of all butt weld branch connections conform to the latest edition of ASME B16.9. The threads of all threaded branch connections conform to the latest edition of ASME B1.20.1. The socket weld ends of all socket-welding branch connections conform to the latest edition of ASME B16.11.

In addition, we certify that the Phoenix Forging Company branch connections are manufactured and inspected in the United States of America. This certification of compliance conforms to requirements of DIN 50.049 3.1.B. 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/NCSL Z540-1-1994, and ISO 10012-1.

These products are produced in accordance with the Phoenix Forging Company ISO 9001:2008 Certified Quality System Program. These products are inspected by independent quality control personnel conforming to the requirements of EN 10204 Section 3.1B. 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.

Bulletin: B-20.00 Rev. 3 Date: 08/01/11 Approved: Guy Cuccio Title: Technical Services Mgr.

CAPITOL
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Crowley, LA, USA

CAMCO
Fittings
Crowley, LA, USA

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Vanastara, ON, Canada

CONDUIT
pipe products, co.
West Jefferson, OH, USA

PHOENIX
Catasaqua, PA, USA