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**CERTIFICATE OF COMPLIANCE**  
*Forged Steel Fittings, Seamless Nipples and Catawissa Hammer Unions*

Anvil International, Inc., located in Longview, Texas, manufactures forged steel fittings, seamless nipples and hammer unions. We have maintained an ISO certified management system since 1992 and will continue this practice well into the future.

Our forged steel forgings are manufactured in accordance with ASTM A105. The forgings are marked A105/SA105 to signify compliance with the ASTM specification and the ASME Boiler Code material designation, which is SA105. Seamless pipe is manufactured in accordance with ASTM A106 Grade B. Forging and seamless pipe material conforms to NACE MRO175. The Catawissa Oilfield Hammer Union forgings and castings comply with the following material specifications, *depending on the product ordered*:

- ASTM A536 Grade 65-45-12 Ductile Iron
- ASTM A395 Grade 60-40-18 Ductile Iron
- ASTM A29 Carbon Steel Grades 1018, 1020, 1022, 1030, 1040
- ASTM A29 Alloy Steel Grade 4130
- ASTM A105 Forged Carbon Steel
- NACE MRO175 for Sour Gas Service

Anvil forged steel fittings are manufactured in accordance with ASME B16.11, the seamless nipples are manufactured in accordance with ASTM A733 and the Catawissa hammer unions are manufactured in compliance with in-house engineering specifications. The Catawissa union coupling threads conform to ASME B1.5 and B1.8. NPT threaded connections are manufactured in accordance with ANSI/ASME B1.20.1, except on "close" nipples where L4 and V are shorter, due to fewer imperfect threads.

Material traceability is available on Anvil forged steel fittings, seamless nipples and Catawissa hammer unions. Personnel in the Quality Assurance Department at Anvil International, Inc., Longview, Texas, validate and prepare the Material Test Reports and Certificates Of Compliance. The Compliance Manager oversees the Quality Department, reports directly to the General Manager and is independent of the manufacturing department, which ensures full compliance with the requirements of EN 10204 3.1 b (DIN50040 3.1.b).

Look for the Anvil trademark, when you expect quality products.

Lisa Turner  
Compliance Manager

**BUILDING CONNECTIONS THAT LAST**

ANVIL BRANDS:

