

Oilfield Hammer Unions

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Oilfield Hammer Unions

1 Scope

1.1 Purpose

This standard specifies minimum requirements for the dimensional and functional interchangeability, design, materials, inspection, marking, storing, and shipment of hammer union parts and assemblies for use in the petroleum and natural gas industries.

This standard does not address the manner (i.e. integral, weld or thread) in which hammer unions are attached to other parts. Requirements for repair and remanufacture of hammer union parts are not included in this standard.

WARNING Hammer unions manufactured under the requirements of this standard are only to be considered interchangeable with hammer unions also manufactured to the requirements of this standard. Hammer unions manufactured under the requirements of this standard are assumed to not be interchangeable with hammer unions not conforming to this standard.

1.2 Applicability

This standard is applicable only to the following figures, nominal sizes, temperatures, and service conditions of hammer unions:

- Figure Numbers: 602, 1002, and 1502
 - Nominal Size: 1 in., 1.5 in., 2 in., 3 in., and 4 in.
- Figure Numbers: 2002 and 2202
 - Nominal Size: 2 in. and 3 in.
- Temperature Range: -75 °F to 250 °F (-60 °C to 121 °C)
- Service: Standard and Sour Service

This standard is only applicable to surface installations that are not intended to be insulated, buried, or otherwise denied direct exposure to atmosphere.

1.3 Service Conditions

This standard defines service and operating conditions in terms of pressure, temperature, and sour classification for the retained fluids.

1.4 Hammer Union Assembly Nomenclature

Figure 1 and Figure 2 are examples of hammer unions types within the scope of this standard. Typical figure callouts in this standard are nominal size and figure (e.g. 3" Figure 1502).