



UPDATE
Hammer Union Mismatch

MSI Technical Bulletin 003

The intent of this bulletin is to address the potential dangers associated with 2" Figure 602 equipment being connected to equipment of higher pressure rating, such as 2" Figure 1502, due to incorrect identification.

Hammer (Wing) Unions have been widely used in the oilfield industry for several decades. MSI offers hammer unions in several sizes, pressure ratings, and material classes. Essentially, hammer unions consist of a male connection, female connection, and wing or nut to secure the two end connections together. Recently, circumstances in the field have brought to the industry's attention that several hazardous mismatches are possible when using 2" Figure 602 equipment. Careful attention must be paid to the size and pressure rating of hammer union equipment. Not doing so can result in the connecting of equipment with mis-matched end connections. This condition can result in serious injury or death.

Industry partners have discovered and are banning from use other potentially dangerous unions that will connect to higher pressure rated unions such as 2" Figure 1502. These include but are not limited to:

- 2" Guiberson Seal-O-Matic
- Kemper 2" Figure G
- Best 2" Figure 607
- American Block 2" Figure 607
- Kemper 2" Figures 400/402/406

As a result of industry collaboration the API has published Recommended Practice 7HU1 for *Safe Use of 2-inch Hammer Unions for Oilfield Applications*. This RP prescribes design changes that prevent mismatch and provide for positive identification of 2" 602/1002 unions. For further details please obtain a copy of the RP.

In accordance with the aforementioned RP, MSI has redesigned the 2" Figure 602/1002 union and as of this release is reintroducing to our vast end connection offering. All equipment manufactured from this day forward complies with API RP 7HU1.

Note: Many operations have banned 2" 602/1002 unions, MSI is not advocating their use.

You may contact an MSI representative at [Sales](#) or [Engineering](#) for additional information.

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