## Tinius 으 Olsen

The first name in materials testing

## Threaded Fasteners

## Testing tools for threaded fasteners



1. $300,000 \mathrm{lbf}$ slotted bolt holder
2. 30,000lbf slotted bolt holder
3. Threaded bolt holders
4. Washer adaptors
5. Wedge washer
6. Proof washer

## Configurations

Tinius Olsen offers a wide variety of tools and accessories for testing bolts, nuts and threaded fasteners in accordance with ASTM methods A194, A370, F606 and other applicable ASTM, SAE, IFI and Military specifications.The unique design of these tools eliminates the need for switching slotted bolt holders which can become heavy and cumbersome. They also eliminate the need to piggyback holders, i.e. attach a smaller slotted bolt holder to a larger one which is attached to the crosshead. This design can also help to reduce the need for increased tension test space which can be expensive and totally impractical.

Standard tooling is available for fasteners in sizes upto $1 \frac{1}{2}$ in and M39 with components rated for 175,000 psi $(1,200 \mathrm{MPa})$ stress based on the tensile stress area of the specimens. Short bolts with a length as short a two times the diameter can also be tested with this tooling.


## Tinius Olsen

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