

**FDI manufactures and stocks many of the popular studs and inserts series.**

Fastener Dimensions supplies a broad selection of threaded inserts and studs, in both SAE and metric sizes, designed to serve the needs of the Aircraft, Aerospace, Military, Defense, Medical, Transportation, Rail, Space and Racing Industries. We specialize in 303 Stainless, A286, 4140 Alloy Steel, Alloy 718 (INCONEL™ 718), 6A1-4V titanium and Waspaloy to MS, AN, AS, NAS and other specifications. All of our parts, manufactured to meet a variety of international standards, are available in a wide selection of materials including corrosion and heat-resistant steels, carbon and alloy steels, titanium, and Inconel®.

Fastener Dimensions also carries all of the tools that are necessary for hole preparation, installation, and removal of each of the products that we carry.

WWW.MFG.FASTENERDIMENSIONS.COM



*Fastening the world, one bolt at a time!*

Certified to: ISO9001, AS9100 Manufacturer & AS9120 Distributor. ITAR & EAR Compliant.



680 River Road  
Pennsauken, New Jersey 08110



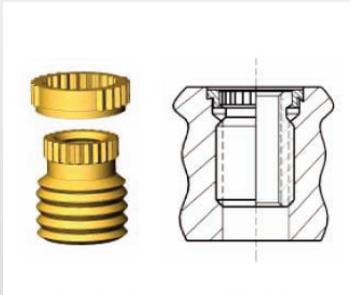
## RING-LOCKED STUDS AND INSERTS



**FASTENER DIMENSIONS, INC.** ISO9001, AS9100 & AS9120 Certified  
MANUFACTURER OF MILITARY STANDARD RING-LOCKED FASTENERS

## Manufacturer of Military Standard Ring-Locked Fasteners

Used in mated pairs, Ring-Locked Inserts and Studs are ideal for use in gear boxes, engines, pumps and vehicles in general. They provide excellent performance in high fatigue/high vibration applications. Their superior torsional resistance combined with a serrated Lock-Ring, prevent the stud from backing out, in either soft or hard parent materials. FDI manufactures and stocks many of the most popular series so that our customers can benefit from shorter lead times and expedited deliveries.



### Ring-locked Inserts

AS51991/MS51991  
 AS51993/MS51993  
 MS51498

### Ring-locked Studs

AS51989/MS51989  
 AS51992/MS51992  
 MS51497  
 MS51551

### Ring-locked Inserts & Studs

- Standard and oversize styles available.
- Manufactured in both inch and metric threads.
- Solid configurations for plugs or special requirements.
- Hydraulic sealing configurations (low pressure)
- Produced in all common aerospace materials to MS, AN, NAS, SAE and other specifications.
- All styles available in standard configurations or with internal thread locking features.

## Installation and Removal Tools

### SPECIAL TOOLING REQUIRED



Fastener Dimensions stocks the entire line of special tools required for installation and removal of Inserts and Studs.

*Fastener Dimensions specializes in the manufacture of made-to-print custom parts, as well as, standard MS parts.*