

Squeezed?

A solid rivet has a manufactured head on one end and a solid shank with a straight cut-off or a chamfered cut-off on the other end. Solid rivets from Applifast can be made from steel, stainless steel, brass, copper, Monel, Inconel, titanium and aluminum and are available with many head styles, including round, flat, countersunk, pan, truss, universal, brazier, acorn and mushroom. Shank diameters range from 0.062 to 1.75 inches, while head diameters range from 0.122 to 2.844 inches.

The solid riveting process does more than just bring the parts together. When a solid rivet from Applifast is impacted/hammered or press clinched, the force required to form the clinched head of the rivet swells the entire shank of the rivet to completely fill the work-piece hole.

SOLID RIVETS CAN BE FOUND IN THE FRAME, TRANSMISSION MOUNTS AND SHOCK MOUNTS OF A CAR, THE ROOF, SIDEWALLS AND FLOOR RAILS OF SEMI TRAILERS AND HUNDREDS OF THOUSANDS OF THEM ARE USED TO ASSEMBLE THE FRAME OF AN AIRPLANE.



Why use solid rivets?

- Low cost fastening
- Ease of joint inspection
- Easily adopted for automation
- Provides a tamper-resistant permanent joint
- Facilitates joining different materials of differing thicknesses
- Virtually no scrap is produced during the manufacturing process
- Allows high rate of production with minimal investment in machinery
- Material grain flow structure of solid rivets, along with the shank swelling during assembly, creates the strongest riveted joint and high shear strength values

APPLIFAST^{INC.} TOOL AND FASTENER SYSTEMS

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- ✓ Permanent
- ✓ Multiple sizes
- ✓ Custom finishes
- ✓ Numerous alloys
- ✓ Various head styles

