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How to Use a Rivet Squeezer

A squeezer upsets the rivet by pressure instead of hammering.

Parts and capacity

Item	What it is	Why it matters
Hand, pneumatic, pneudraulic	Pressure from the hand, air, or air plus hydraulics	All three work on the same principle (H-31 p. 4-38)
C-yoke or alligator yoke	The frame carrying the jaws, in various sizes	Sets what can be reached
Gap	Distance between the movable and the stationary jaw	Must clear the rivet and the stack
Reach	Inside length of the throat, measured from the centre of the end sets	How far from an edge you can squeeze
End sets	Same job and heads as rivet sets for a gun, interchangeable	Match the rivet head; one in each jaw

Typical mistakes

Mistake	What happens	Fix
Reach too short	Cannot get over the hole	Use a gun and bar, or a longer yoke
End set does not match the head	A marked or deformed head	Fit the right set
Manufactured head on the moving jaw	Marks on the finished side, when avoidable	Put it on the stationary jaw when possible
Dimpling die not matched to the sheet	Poor dimple	Adjust the gap to the sheet thickness

Key points

- **Not approved data.** The SRM or drawing governs riveting method.
- **No force or gap figures.** The sources give none; use the maker's data.

SOURCES · FAA-H-8083-31B, AMT Handbook: Airframe, Chapter 4

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Educational reference only, not approved data. Always consult the applicable SRM, AMM, or AC 43.13-1B and your certifying authority.