

GROBET USA™ VIGOR®

HINGE & SHIELD STAKING SET WITH SELF RAISING ARM

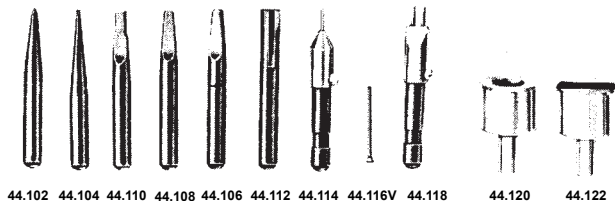
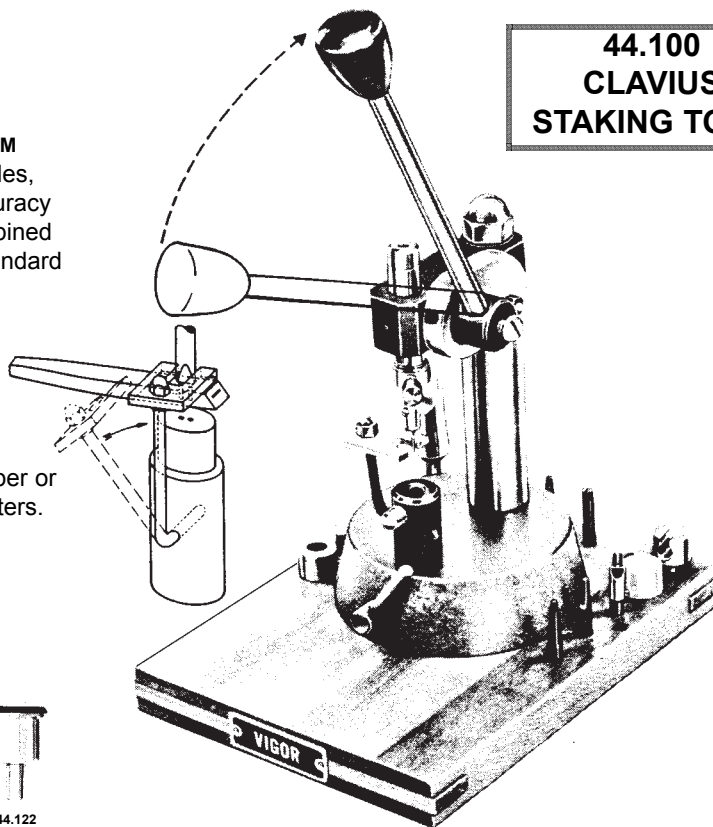
An all purpose tool designed for working on hinges, temples, fronts, shields, plaques & screws easily & with greater accuracy than conventional pliers. The set of punches and dies combined with the pressure arm and stand is designed to do all the standard operations in the repair of the frame with precision.

44.100 CLAVIUS STAKING TOOL

44.100 COMPLETE WITH PUNCHES & DIES

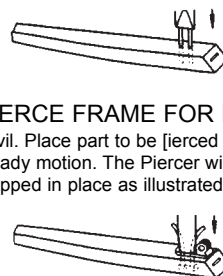
MARKING DIE 44.153

Hard steel die allows one to impress a name, symbol, number or trademark on frames or lenses. best results up to 3 characters. Use Nylon anvil (44.138) to prevent marring.



SUGGESTED USES FOR STAKING SET

PIERCE FRAME FOR RIVETS OR TRIM: Use piercing tool & companion anvil. Place part to be pierced on anvil with finished side up. Lower the arm with steady motion. The Piercer will cut a clean hole even through corded temples. Put stripped in place as illustrated to remove tool from holes.



BASIC TOOLS

- 44.102** CENTER PUNCH - SHARP POINT: Used to center punch rivets prior to peening & to spread screw ends to prevent loosening.
- 44.104** FLAT PUNCH - BLUNT POINT. Used to push out rivets or broken screws.
- 44.108** PEENING TOOL FOR SMALL RIVETS
- 44.110** PEENING TOOL FOR LARGE RIVETS
- 44.114** PIERCING TOOL - SINGLE PIN
- 44.118** PIERCING TOOL - DOUBLE PIN (Standard 2.5mm separation). Piercing tools cut clean holes in front of temple even through metal cores. Replaces hand drilling. Useful for pressing out old rivets.
- 44.116V** PIERCING PINS Package of 10 pins for single/double piercing tools loosen screw for pin replacement.
- 44.106** SINGLE RIVET SETTING TOOL
- 44.112** DOUBLE RIVET SETTING TOOL. Used for drawing up tightly on rivets before cutting & peening.
- 44.132** ANVIL BASE: Used as base for all round rivets.
- 44.120** ROUND HOLE ANVIL
- 44.122** OVAL HOLE ANVIL: Anvils with recessed centers are used when pressing out rivets. Supports the frame while rivet drops into hole.
- 44.126** SOLID ANVIL - STEEL
- 44.138** NARROW SOLID ANVIL Back up for pressing safety or frame die into lens or frame.
- 44.128** SINGLE PIN ANVIL
- 44.130** DOUBLE PIN ANVIL Used with corresponding piercing pins
- 44.136** NARROW FACE ANVIL. Used to back up hinge when removing stuck or broken screws.
- 44.124** BASE PIN FOR NARROW FACE ANVIL Fits hole & is used to back up hinge when peening or center punching screw end to prevent loosening.

INSERT NEW RIVETS. Use solid anvil. Start rivet through hole by hand, then rest on the anvil & draw up tight with rivet setting tool . Cut the rivet to about 1/8" for peening. Use the peening tool.



PEENING SCREWS TO PREVENT LOOSENING: Proceed as above but use the peening tool to head over protruding end of screw. Use 44.108 for small screws & 44.110 for larger screws.

FLARING SCREWS TO PREVENT LOOSENING: Use a narrow face anvil & place head of screw on the base & use a pointed center punch to spread the end of the screw.



REMOVE RIVETS: Use the piercing tool, either single or double pin & one of the anvils with a recessed center and center pin over rivet ends.

REMOVE STUCK OR BROKEN SCREWS: Use a narrow face anvil & place head of screw over hole. Use a blunt point punch to force screw out & follow up with a single pin piercing tool if necessary. Use a self tapping screw or re-tap and insert an oversized screw.

