



**DANGER**



**TOOL FOR USE BY LICENSED OPERATORS  
ONLY. OPERATOR'S LICENSE CAN BE  
OBTAINED AT [www.ramset.com](http://www.ramset.com).**

**READ AND OBEY ALL SAFETY AND OPERATING  
INSTRUCTIONS BEFORE OPERATING TOOL.**



***Ramset***<sup>®</sup>  
***FASTENING SYSTEMS***

# **COBRA TOOL**

## **OPERATOR'S SAFETY & OPERATING INSTRUCTION MANUAL**



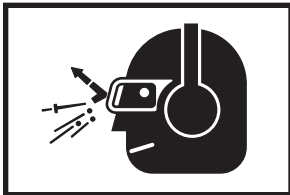
**SEMI-AUTOMATIC, LOW VELOCITY,  
PISTON-TYPE FASTENING TOOL**

**DANGER**

**THIS TOOL IS TO BE USED ONLY BY PROPERLY TRAINED AND LICENSED OPERATORS.**

**YOU MUST SUCCESSFULLY COMPLETE THE RAMSET TRAINING PROGRAM FOR THE TOOL AND OBTAIN A CERTIFIED OPERATOR'S LICENSE BEFORE HANDLING, LOADING, OR OPERATING THIS TOOL. SAFETY TRAINING AND LICENSE CAN BE OBTAINED AT [www.ramset.com](http://www.ramset.com)**

**ATTEMPTING TO HANDLE OR OPERATE THIS TOOL WITHOUT PROPER TRAINING AND LICENSING CAN RESULT IN SERIOUS INJURY TO THE OPERATOR OR BYSTANDERS.**



**Operators and bystanders must wear eye and hearing protection.**



**Read manual before operating tool.**



**Never close tool with hand over fastener loading end of the tool. A serious hand injury from penetration by the piston or a discharged fastener could result.**

**DANGER**

Just as no one can merely read a book about driving an automobile and then hope to drive one safely, no one should attempt to use any Ramset tool without adequate, competent, personal instruction. And just as one must be licensed to drive an automobile, one must also be licensed to use a powder actuated tool. No automobile instruction book or instructor can forewarn a learner against all possibilities and emergencies, nor can Ramset instructors and printed material detail all possible conditions surrounding the use of Ramset tools and products.

**Responsibility for the safe and proper use of this tool rests with the tool user and the employer.**

## Preparation

### Acceptable Base Materials

Powder-actuated fastening is suitable for use in the following base materials only:

- Poured Concrete
- Structural Steel
- Masonry Joints (see page 8)

Never attempt to fasten into any other type of material. Fastening into other materials can cause blindness or other serious injury.

### Unacceptable Base Materials

Never attempt to fasten into very hard or brittle materials such as cast iron, tile, glass, or rock of any type. These materials can shatter, causing the fastener and/or base material fragments to fly free and cause serious injury to tool operator and others.

Never fasten into soft base materials, such as drywall or lumber products. These materials may allow the fastener to travel completely through and out the other side, endangering those in the path of the fastener.

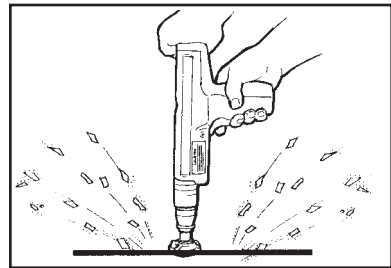
Never fasten into any base material that does not pass the Center Punch test.

Failure to assure the suitability of the base material can result in serious injury to the eyes or other body parts.

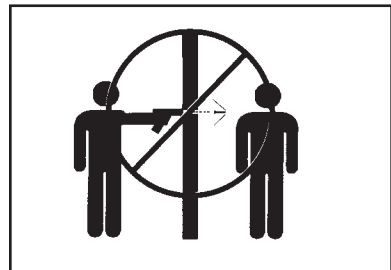
## Center Punch Test

**ALWAYS WEAR SAFETY GOGGLES WHEN PERFORMING THIS TEST.**

1. Always check the material being fastened into for hardness before attempting any fastening operation.
2. Using a fastener as a center punch, strike the fastener against the work surface using an average hammer blow and check the results.



**NEVER FASTEN INTO VERY HARD OR BRITTLE MATERIALS**



**NEVER FASTEN INTO SOFT MATERIALS SUCH AS DRYWALL**

## Center Punch Test Results

1. If the fastener point is flattened, the material is too hard for a powder actuated fastening.
2. If the fastener penetrates the material easily, the material is too soft.
3. If the material cracks or shatters, the material is too brittle.
4. If the fastener makes a small indentation into the material, the material is suitable for fastening.



























