

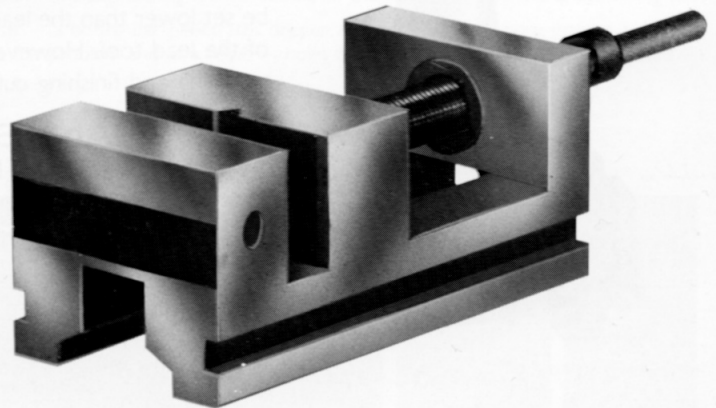
TOOLMAKER'S VISE

SQUARE AND PARALLEL WITHIN .0002

The Criterion Toolmaker's Vise is an accurate piece of equipment that finds a variety of uses in the shop or toolroom. In layout inspection, and even for holding small parts for matching and grinding — it has no equal. This vise is made from an alloy steel, stabilized to retain the built-in accuracy and ground all over to close tolerances. All surfaces are ground square and true so that it may be used in any position. The screw threads are run in a replaceable bronze nut.

The moveable jaw has a vertical "V" groove for holding round or irregular shaped parts. Hold-down grooves are provided for clamping to sine plates, angle plates and special fixtures.

The tightening handle is a part of the vise and cannot be misplaced. It can be folded back where it will not interfere with the work. Large enough for an infinite variety of work, it will fit comfortably in the average toolmaker's box.



TOOL NO.	HEIGHT	WIDTH	LENGTH	MAXIMUM OPENING
80	1-3/4"	2"	4-1/8"	1-3/4"



The picture at the left is an example of how the Criterion toolmaker's vise can be used as an inspection tool. The part being held is a flexure — a highly precision component of a valve for use in one of the newer missiles. This photo shows an inspection procedure using two parallel pins upon which the undersides of the flange rest. This permits checking flange thickness in relation to a reference point on a radius on the underside.

The photo to the right shows how the vise can be used in a manufacturing operation. Because of the critical nature of this part, a grinding operation is performed to maintain a uniform web thickness for controlled flex. These are just two of the hundreds of uses for this versatile tool.

