

## PIN VISES

Used to hold a wide variety of items such as drills, taps, burs, reamers, wire and rod.



### BABY PIN VISE

Midget size, hollow handle, metal pin vise with screw chuck. 1 7/8" length. 0 - 0.51mm (0" - 0.020") capacity.



**58.200** 0 - 0.51mm opening \$5.50



### BRASS HANDLE PIN VISE

Steel collet is set into hollow brass handle with screw chuck. 3 3/8" length. 0 - 0.71mm (0" - 0.028") capacity.



**58.205** 0 - .71mm opening \$4.75



### REVERSIBLE CHUCK PIN VISE

Nickel pin vise has two tempered steel reversible chucks and 4 openings. 4 1/2" length. 0 - 2.5mm (0" - 0.10") capacity.



**PIN219.00** 0 - 2.5mm opening \$4.50



### DOUBLE-ENDED PIN VISE

"Swiss-style" pin vise features two chucks. 4 1/4" length. 0 - 2.5mm (0" - 0.10") capacity.



**PIN218.00** 0 - 2.5mm opening \$4.50



### DOUBLE-ENDED PIN VISE

Different size steel collets mounted in both ends of hollow handle. 4 1/4" length. 0 - 2.5mm (0" - 0.10") capacity.



**58.215** 0 - 2.5mm opening \$7.30



### DOUBLE-ENDED PIN VISE

Reversible steel collets in each end. Brass hollow handle and heads. Hexagonal heads prevent rolling. 4 3/4" length. 0 - 3.2mm (0" - 0.125") capacity.



**58.240** 0 - 3.2mm opening \$6.30



### SQUARE CHUCK PIN VISE

Hollow brass handle with 2 steel chucks. Spare chuck held in end of handle. Will not roll off bench. 3 3/4" length. 0 - 2mm (0" - 0.079") capacity.



**58.250** 0 - 2mm opening \$6.80



### SLIDING PIN VISE

Single-end pin vise. Knurled ring slides forward to close steel jaws. Easy one-hand operation. Hollow handle. 4 3/4" length. 0 - 1.3mm (0" - 0.051") capacity.



**58.300** 0 - 1.3mm opening \$10.35



### PRECISION PIN VISES

Tool steel collets grip firmly when the screw chuck is tightened. Chromium-plated handles are hollow to permit holding of long wire. Body of vise is stepped, with the small portion knurled, so that it can be rotated between fingers. The larger portion is smooth so it can be held precisely in lathe and drill press. Made in USA.



Capacity	Length	Price	Item No.
0" - 0.040" (0 - 1.02mm)	3"	\$8.00	<b>58.280</b>



Capacity	Length	Price	Item No.
0.025" - 0.062" (0.6 - 1.6mm)	3 1/4"	\$8.65	<b>58.281</b>



Capacity	Length	Price	Item No.
0.050" - 0.125" (1.3 - 3.2mm)	3 3/8"	\$12.70	<b>58.282</b>



Capacity	Length	Price	Item No.
0.115" - 0.188" (2.9 - 4.8mm)	4 1/4"	\$14.20	<b>58.283</b>

### Starrett® #165 DOUBLE-ENDED PIN VISE

Finest quality pin vise with 2 precision-machined and hardened steel double-sided collets. Made in USA.



**STAR165** \$35.50



### SWIVEL-HEAD PIN VISE

Swivel-head pin vise for drilling and tapping. Features two double-ended chucks. Can also be used as a screwdriver. 3 1/2" length. 0 - 3.3mm (0" - 0.125") capacity.



**PIN220.00** 0 - 3.3mm opening \$4.50



### WOOD HANDLE PIN VISE

Black fluted wood handles and steel chuck.



**58.231** 4" length 0 - 1.19mm opening \$6.85

**58.232** 4 1/2" length 0 - 1.5mm opening \$6.85



### PIN VISE #93

Sturdy plastic handle. Hardened steel 3 jaw chuck. 6" length. 0 - 6.3mm (0" - 0.25") capacity.



**GEN093** 0 - 6.3mm opening \$13.25

## STEEL HAND VISE

Spring action in handle keeps jaws open (maximum opening  $\frac{7}{16}$ " ). The jaws are  $1\frac{1}{4}$ " wide, serrated on the inside and are closed by turning the wing nut.

**58.120** \$18.50



## C-CLAMPS

For holding pieces tightly together when bonding adhesives. Usually more than one C-clamp is used. Smooth swivel buttons prevent marring of work. Frames are made of heat treated, malleable iron and are nickel plated.

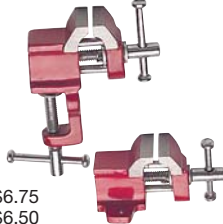
Opening	Depth	Price	Item No.
1"	$\frac{3}{4}$ "	\$2.50	<b>58.151</b>
2"	1"	\$4.00	<b>58.152</b>
3"	$1\frac{1}{2}$ "	\$6.25	<b>58.153</b>



## MINI BENCH VISES

Miniature cast iron vises with heavy enamel coating and small, 1" jaws for light precision work. Choose between models that clamp or permanently screw onto bench or table.

**VIS214.10** 1" Clamp \$6.75  
**VIS215.10** 1" Bench \$6.50



## REVOLVING MINI BENCH VISES

Drop-forged bench vises that conveniently revolve and lock securely when work is positioned. Smooth jaws for delicate work on soft metals.  $1\frac{1}{4}$ " wide jaws.

**VIS310.00**  $1\frac{1}{4}$ " Bench \$15.25  
**VIS311.00**  $1\frac{1}{4}$ " Clamp \$15.25



## BENCH VISES

This model offers the choice of either clamping the vise to the bench or screwing the vise onto the edge of the bench.

**VIS204.00**  $1\frac{1}{2}$ " Jaws \$9.25  
**VIS204.20** 2" Jaws \$9.75



## SMALL SWIVEL BENCH VISE

Drop-forged bench vise that conveniently revolves and clamps down securely when work is positioned. Smooth jaws for delicate work on soft metals.

**TX1670** 2" Jaws \$16.50



## VACU VISE

Portable. Grips any smooth non-porous surface instantly with no clamps or screws needed. Smooth, large  $2\frac{1}{2}$ " V-grooved jaws. Includes set of protective rubber jaws.

**58.102**  
**58.102R**



**DISCONTINUED**

## WING NUT HAND VISE

Small hand vise with wing nut. Serrated,  $\frac{3}{8}$ " wide, spring action jaws open to  $\frac{1}{4}$ " wide. Hollow handle allows wire to pass through easily. Quality construction from high grade tool steel. Made in Germany.  $4\frac{1}{2}$ " length.

**VISS10.00**  $\frac{3}{8}$ " Jaws \$21.50



## WOOD HANDLE HAND VISE

A lightweight vise mounted in a wooden handle. Smooth jaws are  $1\frac{1}{4}$ " wide, open to 1", and are closed by turning the wing screw.

**58.130**  $1\frac{1}{4}$ " Jaws \$12.50



## WISE-GRIP

Locking pliers with serrated, slightly curved jaws and wire cutter. Use as clamp, vise, wrench or plier. Quick action thumbscrew adjusts jaw opening size and tension. Grip work, squeeze handles together. Locks on easily with tremendous grip. Quick release lever. Made in USA.

Size	Price	Item No.
4" WR-4	\$16.50	<b>TX1675</b>
5" WR-5	\$16.50	<b>TX1676</b>
6" LN-6	\$16.50	<b>TX1677</b>



## COLUMBIAN BENCH VISE

Well made, strong, rust-proof finish. Clamps to benches up to 2" thick. Jaws are  $1\frac{1}{4}$ " wide and open to  $1\frac{1}{4}$ ".

**58.0519** \$17.40



## COLUMBIAN BENCH VISE

Sturdily constructed. Twin guide rods to assure parallel closing and rigidity. Jaws are smooth to prevent marring soft metal. Jaws are  $2\frac{1}{2}$ " wide and open to  $1\frac{3}{4}$ ". Fits benches up to 2" thick.

**58.101** \$33.40



## COLUMBIAN LARGE SWIVEL BENCH VISE

Swivel base permits vise to be positioned and locked, in any direction. Clamps onto benches up to 2" thick. Base will also screw into bench top. Strong enough to accommodate drawplates. Sturdy construction. Anvil top. Twin guide rods. Smooth jaws that are  $2\frac{1}{2}$ " wide and open to  $\frac{1}{2}$ ".

**58.104** \$41.50



## VACU-BASE UNIVERSAL BALL JOINT SWIVEL VISE

Portable. Instantly attaches to any smooth, non-porous surface. 3" V-grooved iron jaws open to 3" with precision screw action. Universal ball joint rotates vise to any desired working angle. Includes set of protective rubber jaws.

**58.103** Swivel Vacu Vise \$46.00  
**58.103R** Replacement Jaws \$3.10

