

Model D2254-6, D2303 Wood Vises Instruction Sheet



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Introduction

Your new Wood Vise (**Figure 1**) is designed to fit on workbenches 2 $\frac{1}{4}$ " and thicker, but can be adapted to workbenches down to 1 $\frac{1}{2}$ " thick by using a shim. Holes are pre-drilled in the jaw faces to attach aftermarket or shop-built wood clamping vise jaw pads.

Specifications

Model	D2254	D2255	D2256	D2303
Jaw Width	6"	8"	6 $\frac{1}{2}$ "	10"
Workbench Thickness	2 $\frac{1}{4}$ "	2 $\frac{1}{4}$ "	2 $\frac{1}{4}$ "	2 $\frac{1}{4}$ "
Maximum Jaw Opening	5 $\frac{5}{8}$ "	7 $\frac{1}{4}$ "	7 $\frac{3}{8}$ "	8 $\frac{3}{8}$ "
Weight	7 lbs.	11 lbs.	8 lbs.	14 lbs.

Installation

1. Have another person hold the vise up against the workbench in the desired mounting location.

Model D2256 Only: If the workbench has holes for bench dogs, make sure the bench dog on the vise is aligned with those holes.

Note: If the workbench is less than 2 $\frac{1}{4}$ " thick, use a piece of scrap wood (**Figure 2**) between the vise and workbench as a shim. Cut the shim to the necessary thickness so the vise does not protrude above the workbench after mounting.

2. Use a pencil to mark the workbench through the four vise mounting holes (**Figure 3**) so you know where to drill pilot holes in the workbench.
3. Use a $\frac{1}{8}$ " drill bit to drill pilot holes approximately 1 $\frac{1}{2}$ " deep in the underside of the workbench.

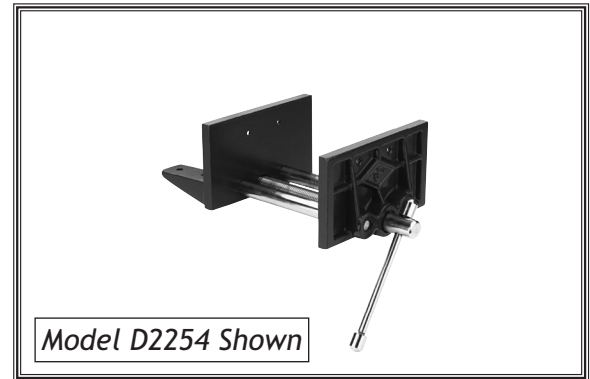


Figure 1. Shop Fox wood vise.

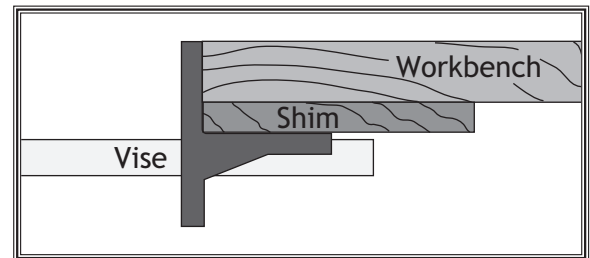


Figure 2. Shim placed between workbench and vise for workbenches under 2 $\frac{1}{4}$ ".

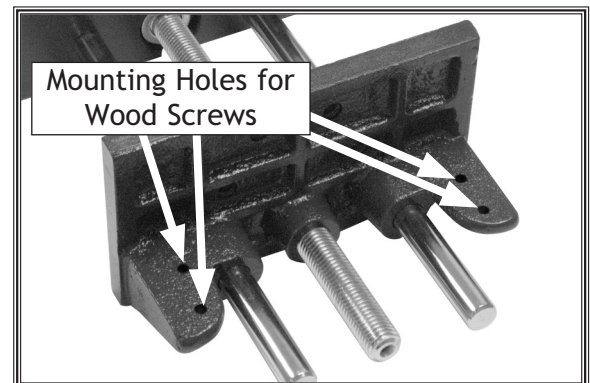


Figure 3. Mounting hole locations.

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4. Attach the vise to the workbench with four #10 x 2" wood screws through the underside of the workbench, as shown in **Figure 4**.

Note: If you're using a shim, make sure the wood screws pass completely through the shim and secure at least halfway into the workbench thickness, as shown in **Figure 5**. You may need wood screws of a different length than given in **Step 4** when using a shim. Also, for added holding strength, attach the shim directly to the workbench with wood screws that are independent of the vise.

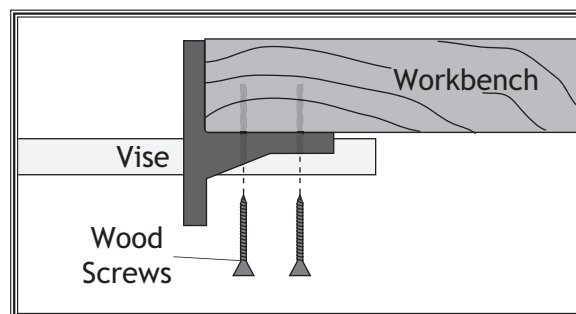


Figure 4. Attaching vise to workbench.

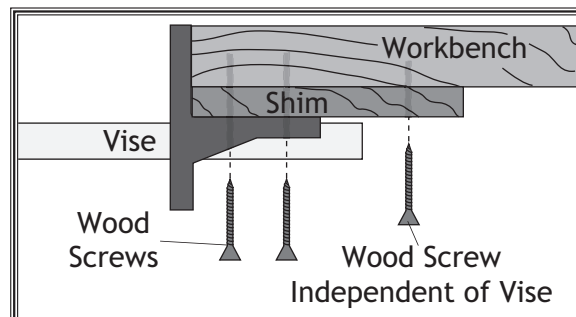


Figure 5. Attaching vise to workbench with shim between vise and workbench.

Operation

Rotating the vise handle (**Figure 6**) clockwise moves the movable jaw toward the fixed jaw.

Rotating the vise handle counterclockwise moves the movable jaw away from the fixed jaw.

D2256 Only: Tighten/loosen the bench dog finger screw (**Figure 6**) to adjust the height of the bench dog.

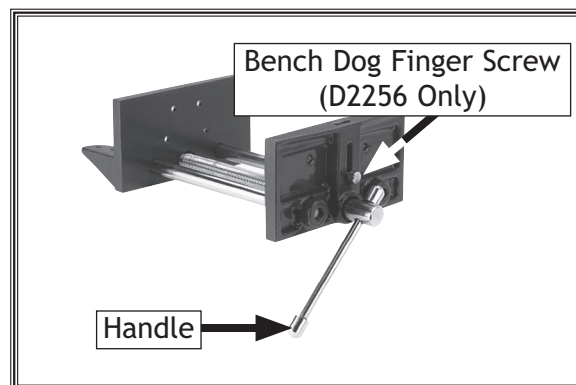


Figure 6. Operation controls of vise.

Accessories

Ask your Shop Fox dealer for the wood-faced magnetic jaw pads shown in **Figure 7**.

Maintenance

The painted parts of the vise can be cleaned with a damp rag. If wood pitch has built up on the components, clean this with a pitch dissolver or blade and bit cleaner.

Lubricate the leadscrew with a dry lubrication, such as silicone or graphite, that will not cause sawdust to stick to the threads.

If material becomes built up on the threads, clean thoroughly with a pitch dissolver.

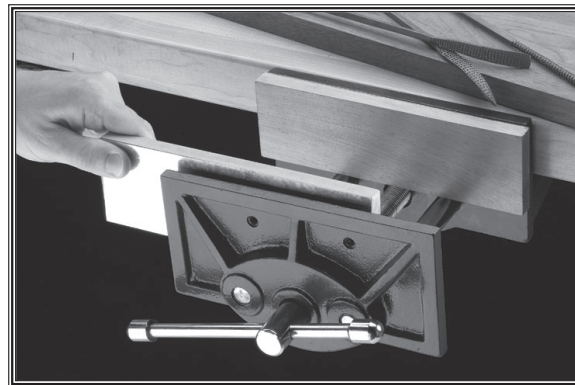
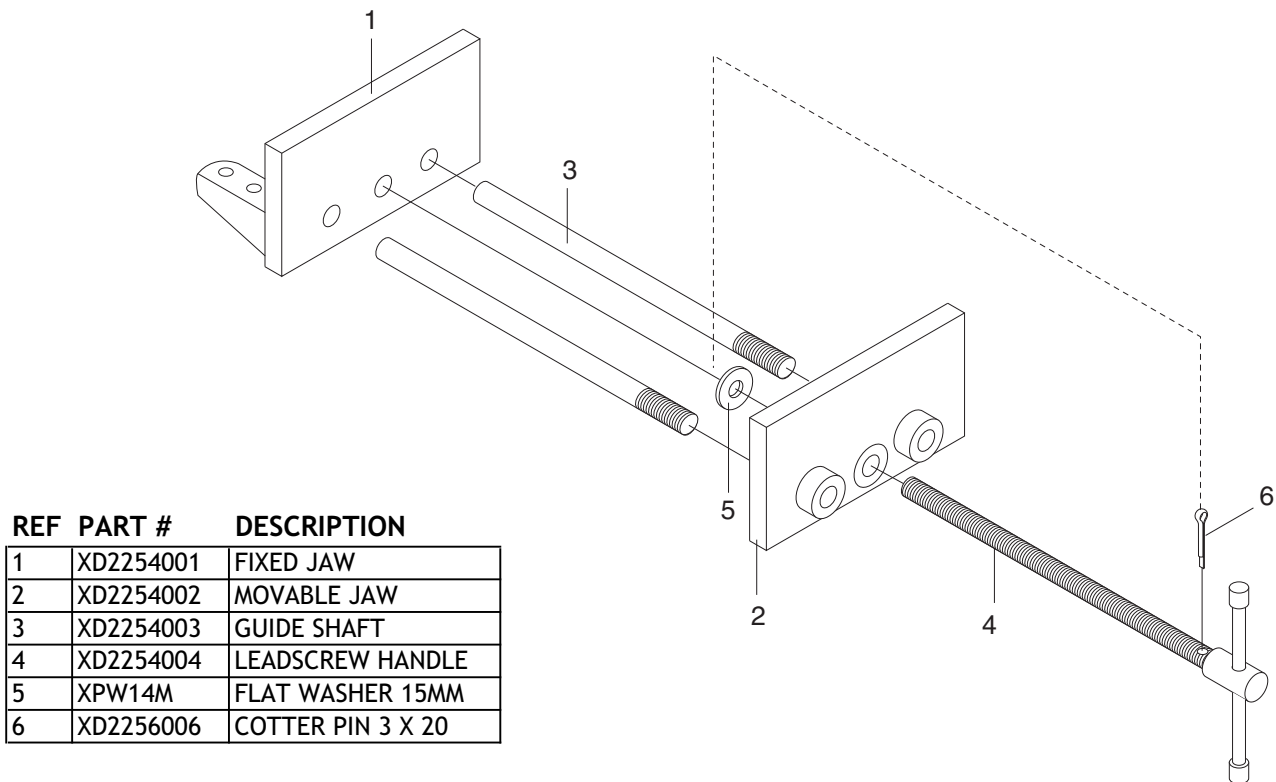
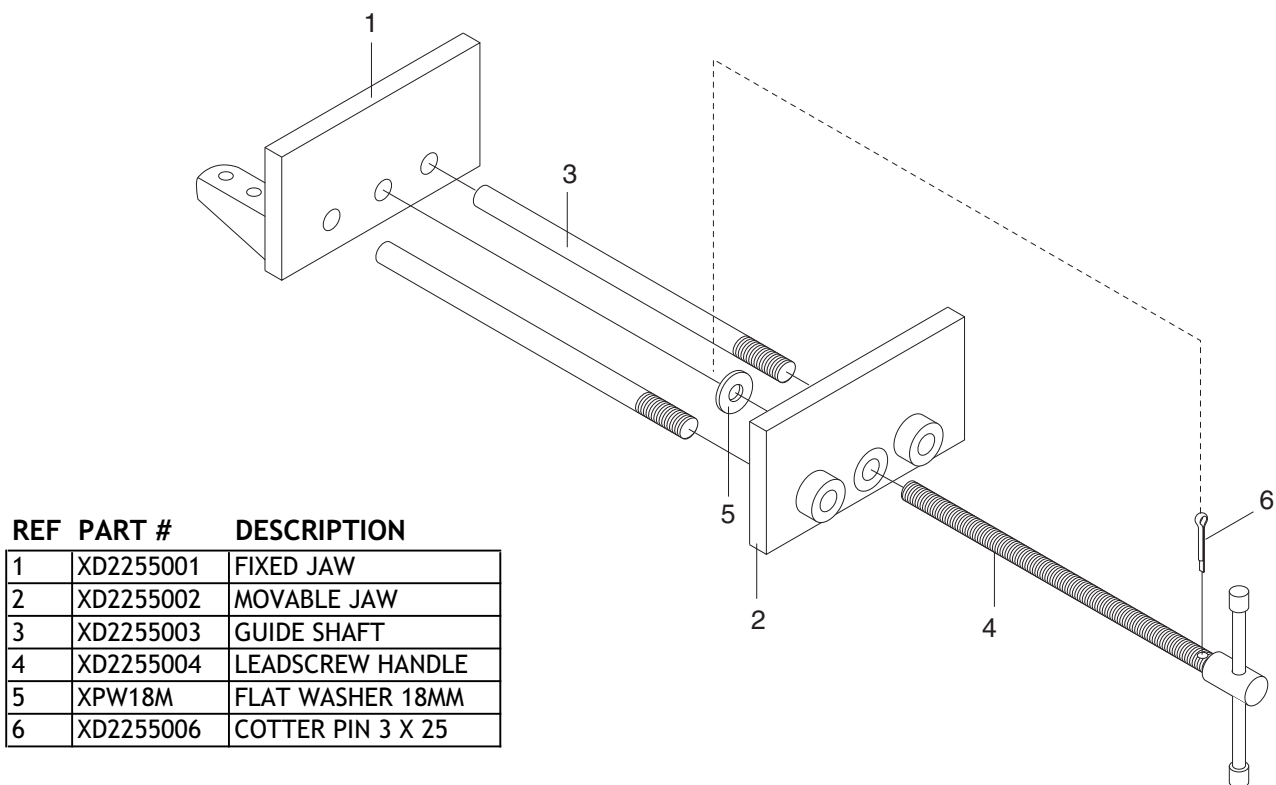


Figure 7. Shop Fox wood-faced magnetic jaw pads (Models D3127-D3133).

D2254 Parts



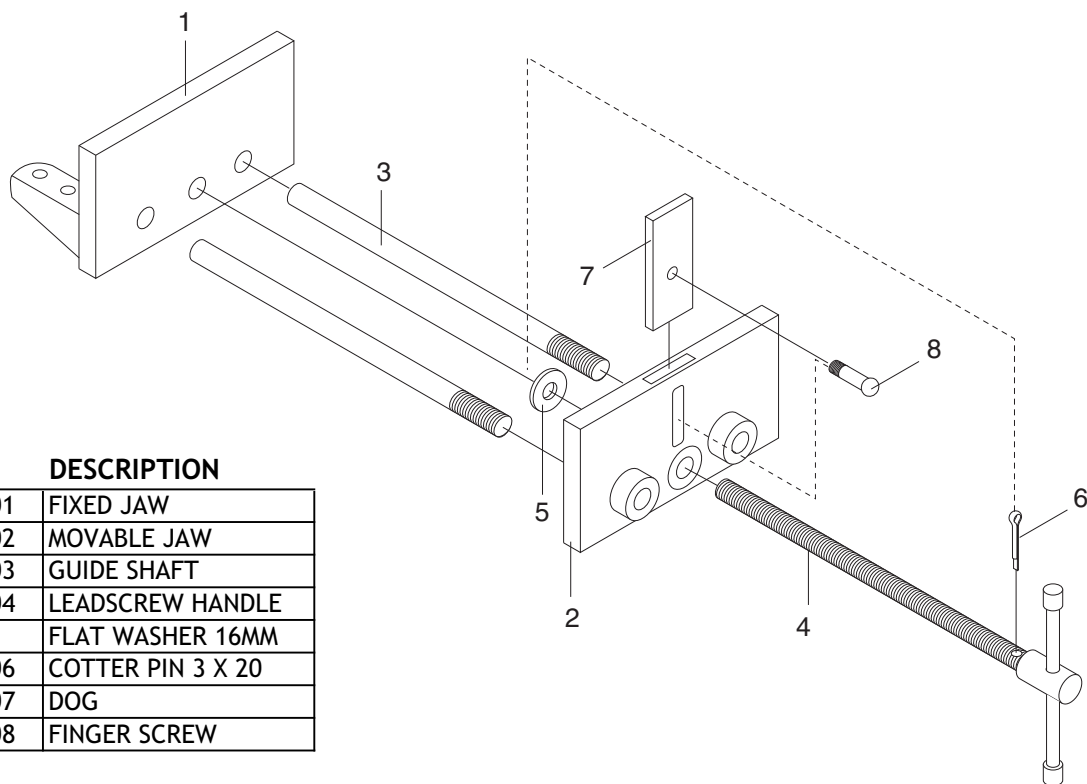
D2255 Parts



D2256 Parts

REF PART # DESCRIPTION

1	XD2256001	FIXED JAW
2	XD2256002	MOVABLE JAW
3	XD2256003	GUIDE SHAFT
4	XD2256004	LEADSCREW HANDLE
5	XPW08M	FLAT WASHER 16MM
6	XD2256006	COTTER PIN 3 X 20
7	XD2256007	DOG
8	XD2256008	FINGER SCREW



D2303 Parts

REF PART # DESCRIPTION

1	XD2303001	FIXED JAW
2	XD2303002	MOVABLE JAW
3	XD2303003	GUIDE SHAFT
4	XD2303004	LEADSCREW HANDLE
5	XPW18M	FLAT WASHER 18MM
6	XD2303006	COTTER PIN 4 X 30

