Model D4327/D4328
Quick-Release Wood Vise
Instruction Sheet

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Introduction

Your new Model D4327/D4328 Quick-Release Wood Vise (see **Figure 1**) is designed to fit on workbenches 2¼" and thicker, but can be adapted to workbenches down to 1½" thick by using a shim. Holes are pre-drilled in the jaw faces to attach aftermarket or shop-built wood clamping vise jaw pads.

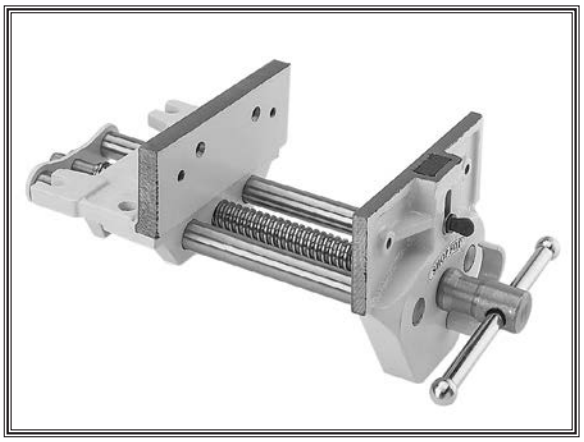


Figure 1. Quick-release wood vise.

D4327 Specifications

- Jaw Width .....7"
- Mounting Height (Workbench Thickness) .....2¼"
- Maximum Jaw Opening .....8"
- Weight.....21 lbs.

D4328 Specifications

- Jaw Width .....9"
- Mounting Height (Workbench Thickness) .....2¼"
- Maximum Jaw Opening ..... 10"
- Weight.....25 lbs.

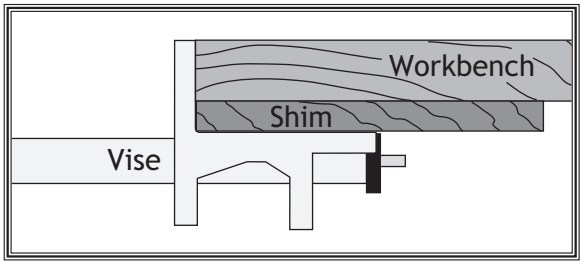


Figure 2. Shim placed between workbench and vise for workbenches under 2¼".

Installation

1. Have another person hold the vise up against the workbench in the desired mounting location. 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 2¼" thick, use a piece of scrap wood (see **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. Pencil mark the workbench through the mounting holes to establish locations to drill pilot holes.

3. Use a ⅛" drill bit to drill pilot holes approximately 1½" deep in the face of the workbench, where the wood screws will be used (see **Figure 3**).

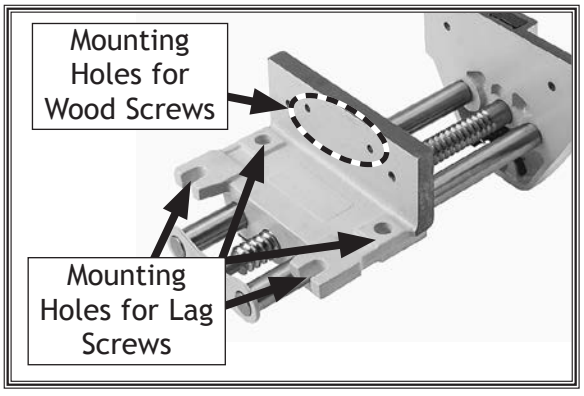


Figure 3. Mounting hole locations.

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4. Use a 1/4" drill bit to drill pilot holes approximately 1" deep in the underside of the workbench, where the lag screws will be used.

5. Attach the vise to the workbench with two #10 x 2" wood screws through the face of the vise jaw, as shown in **Figure 4**.

Note: *If attaching wood jaw pads (not included), as shown in **Figure 4**, install the jaw pads after connecting vise to table. Installing jaw pads requires drilling two holes in each pad to align with threaded M8-1.25 holes in vise face.*

6. Secure the vise to the underside of the workbench with four 5/16" x 1 3/4" lag screws and 5/16" flat washers, as shown in **Figure 4**.

Note: *If you are using a shim, make sure the lag screws pass completely through the shim and secure at least halfway into the workbench thickness, as shown in **Figure 5**.*

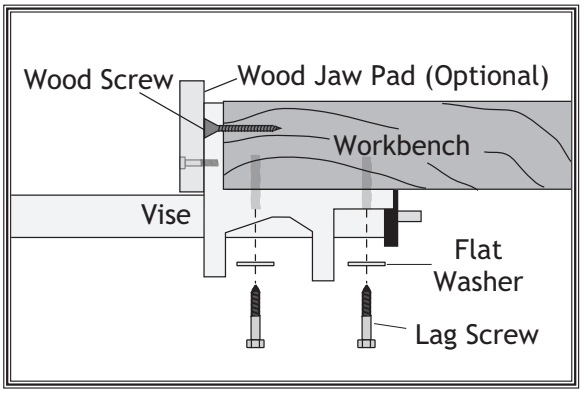


Figure 4. Attaching vise to workbench.

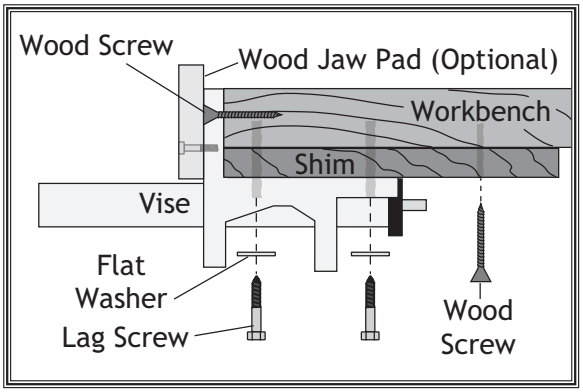


Figure 5. Attaching vise using shim.

Operation

Rotating the handle (see **Figure 6**) clockwise moves the sliding jaw toward the fixed jaw; rotating handle counterclockwise moves the sliding jaw away from the fixed jaw.

Moving the quick-release lever (see **Figure 6**) towards the vise handle disengages the leadscrew so the sliding jaw can be freely moved by pushing or pulling it.

Tightening/loosening the finger bolt (see **Figure 6**) allows for adjustment the height of the bench dog.

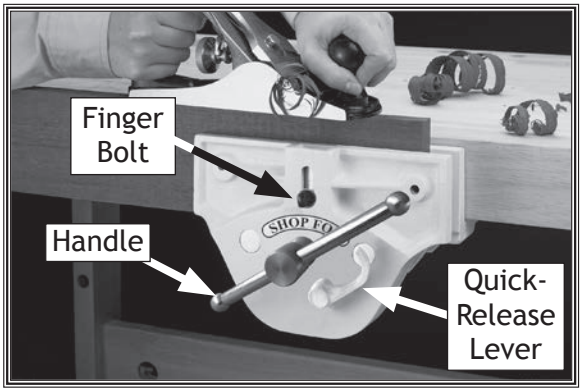


Figure 6. Operation controls of vise.

Accessories

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

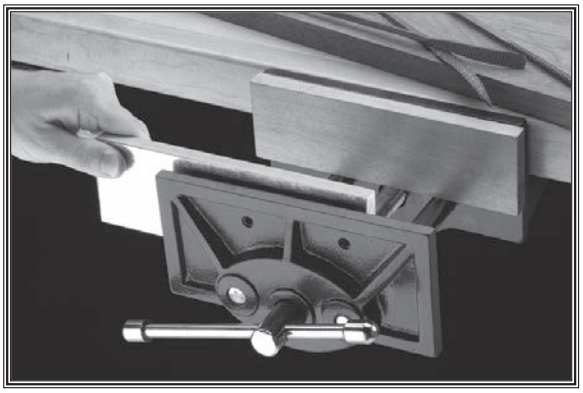


Figure 7. Shop Fox wood-faced magnetic jaw pads (Models D3127 & D3128).

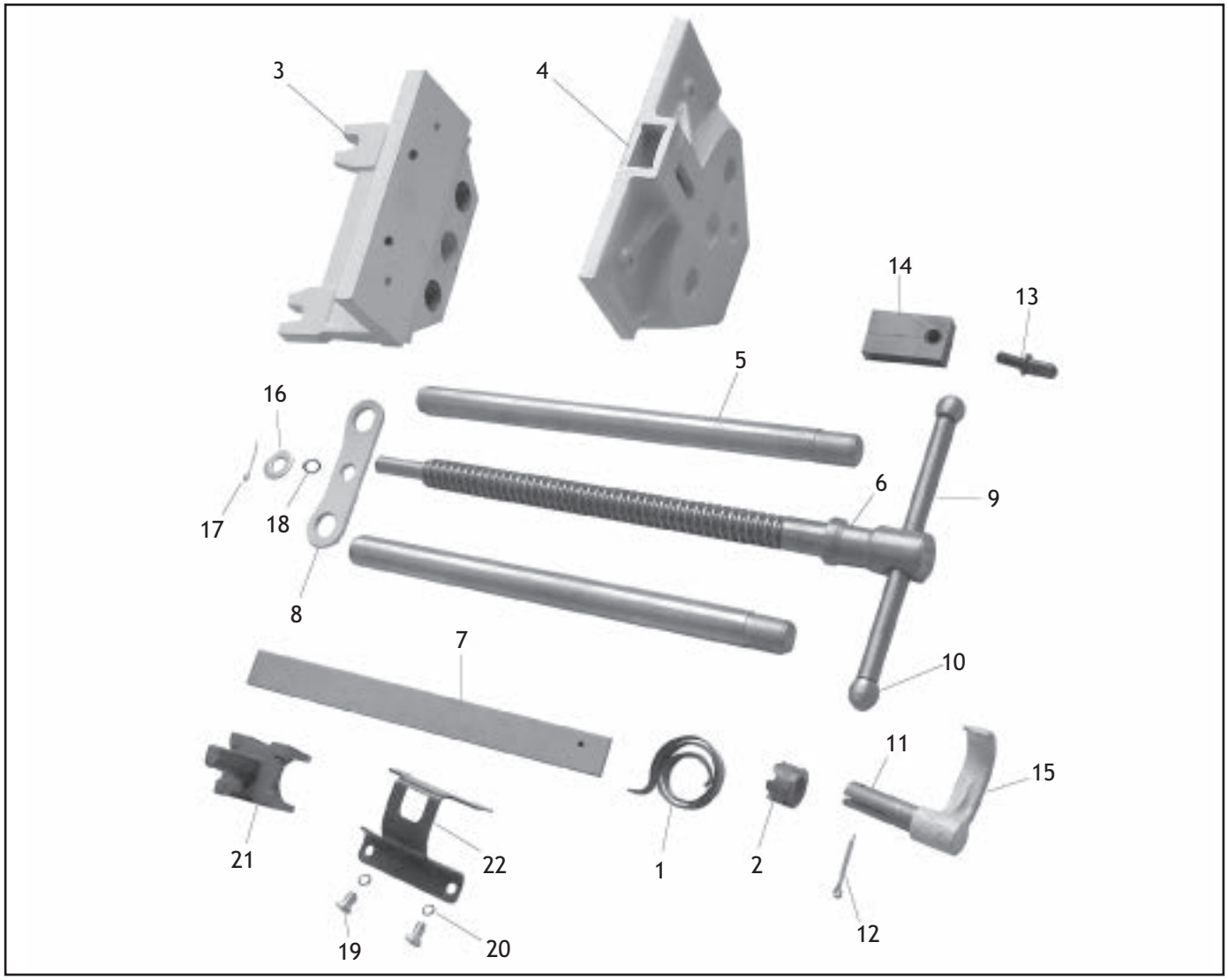
Maintenance

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 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.

D4327 Parts

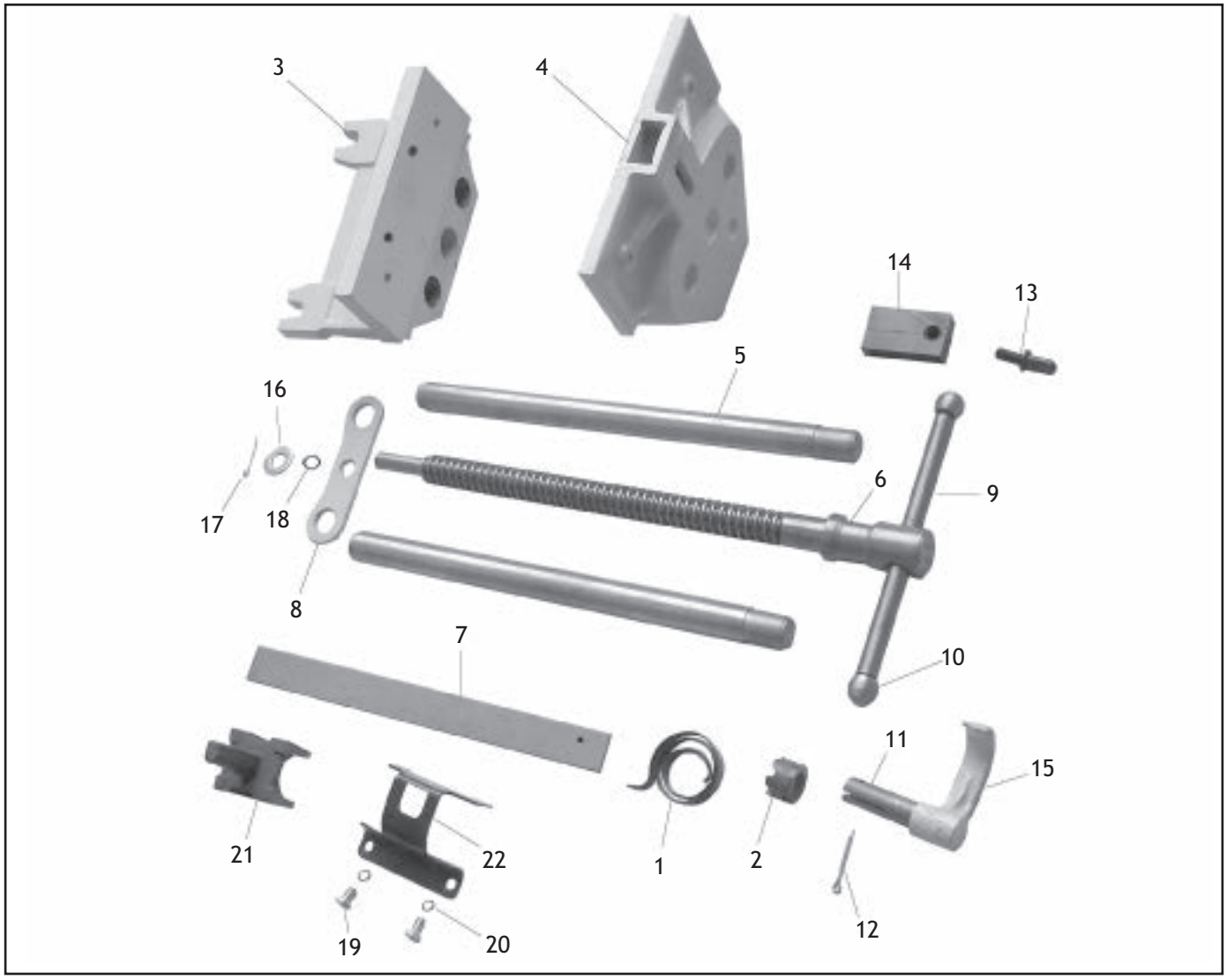


REF	PART #	DESCRIPTION
1	XD4327001	FLAT COIL SPRING 4 X 3
2	XD4327002	SLOTTED NUT M12-1.75
3	XD4327003	FIXED HOUSING 180 X 160 X 30
4	XD4327004	SLIDING HOUSING 110 X 110 X 180
5	XD4327005	GUIDE ROD 22 X 320
6	XD4327006	LEADSCREW 33 X 400
7	XD4327007	TORSION BAR 26 X 285 X 2
8	XD4327008	GUIDE ROD SUPPORT
9	XD4327009	HANDLE BAR W/KNOB
10	XD4327010	REMOVABLE HANDLE KNOB
11	XD4327011	RETAINER FORK

REF	PART #	DESCRIPTION
12	XD4327012	PHLP HD SCR M5-.8 X 12
13	XD4327013	FINGER BOLT M8-1.25 X 20
14	XD4327014	LOCK DOG 50 X 25 X 10
15	XD4327015	QUICK RELEASE LEVER
16	XD4327016	FLAT WASHER 12MM
17	XD4327017	COTTER PIN 3 X 40
18	XD4327018	WAVY WASHER 12MM
19	XD4327019	HEX BOLT M6-1 X 10
20	XD4327020	LOCK WASHER 6MM
21	XD4327021	QUICK RELEASE HALF NUT
22	XD4327022	HALF NUT HOUSING BRACKET

Parts breakdown provided for reference only. Not all parts shown are available for purchase.

D4328 Parts



REF	PART #	DESCRIPTION
1	XD4328001	FLAT COIL SPRING 4 X 3
2	XD4328002	SLOTTED NUT M12-1.75
3	XD4328003	FIXED HOUSING 230 X 160 X 30
4	XD4328004	SLIDING HOUSING 230 X 110 X 110
5	XD4328005	GUIDE ROD 22 X 380
6	XD4328006	LEADSCREW 33 X 460
7	XD4328007	TORSION BAR 26 X 335 X 2
8	XD4328008	GUIDE ROD SUPPORT
9	XD4328009	HANDLE BAR W/KNOB
10	XD4328010	REMOVABLE HANDLE KNOB
11	XD4328011	RETAINER FORK

REF	PART #	DESCRIPTION
12	XD4328012	PHLP HD SCR M5-.8 X 12
13	XD4328013	FINGER BOLT M8-1.25 X 20
14	XD4328014	LOCK DOG 50 X 25 X 10
15	XD4328015	QUICK RELEASE LEVER
16	XD4328016	FLAT WASHER 12MM
17	XD4328017	COTTER PIN 3 X 40
18	XD4328018	WAVY WASHER 12MM
19	XD4328019	HEX BOLT M6-1 X 10
20	XD4328020	LOCK WASHER 6MM
21	XD4328021	QUICK RELEASE HALF NUT
22	XD4328022	HALF NUT HOUSING BRACKET

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