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Wood Screw Chart

Match Bit, Countersink, and Screw to Board Size

Sample Download

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How to Build Anything: Drilling & Driving

Driving Screws

Top 3 Problems Driving Screws

Stalled Screw
Here's where the driver seems to be going in, but suddenly stops short. You can try pushing harder, but you might end up stripping the head—or worse, splitting the board.

Over-Drive
This is an easy mistake to make with soft wood like pine. The big problem here is that your wood screw can easily break through the other side of the board you are attaching to.

Bridging
Sometimes a wood screw can force apart the two boards you are trying to join. Unfortunately, you might not notice the problem till you've moved on to another part of the project.

Possible Culprit

- No pilot hole
- Pilot hole too small

Cure
Carefully back the screw out of the board. Then cut a larger size pilot hole on scrap wood. In most cases, it's the shank of the screw that's being stubborn—which can easily be fixed by using a tapered countersink bit to make a new pilot hole.

Possible Culprit

- Drill torque set too high
- Pilot hole too large

Cure
Unfortunately, getting the right size pilot hole means you can easily drive a screw too far in—if you're not careful. That's where the adjustable torque clutch on your driver comes to the rescue. Also check that your pilot hole is not too large for the screw.

Possible Culprit

- Boards are warped
- Spacers are blocking joint

Cure
Slightly warped boards can leave a gap in the joint. An easy fix is to clamp the boards together before driving screws. Pilot hole splinters can be cured by drilling a countersink in the adjoining board—no keep the splinters from blocking the joint.

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ezwoodshop.com BIT/SCREW CHART - ACTUAL SIZE PRINT

<p>FACE JOINTS</p> <p>3/4" to 3/4" Countersink #8 Bit 3/32" (softwood) 7/64" (hardwood) Screw #8 x 1-1/4"</p>	<p>END JOINTS</p> <p>3/4" to 3/4" Countersink #8 Bit 3/32" (softwood) 7/64" (hardwood) Screw #8 x 2"</p>
<p>1/2" to 1/2" Countersink #6 Bit 1/16" (softwood) 3/64" (hardwood) Screw #6 x 3/4"</p>	<p>1/2" to 1/2" Countersink #6 Bit 1/16" (softwood) 3/64" (hardwood) Screw #6 x 1-1/4"</p>
<p>1/4" to 3/4" Countersink #6 Bit 1/16" (softwood) 3/64" (hardwood) Screw #6 x 1/2"</p>	<p>1/4" to 3/4" Countersink #6 Bit 1/16" (softwood) 3/64" (hardwood) Screw #6 x 1"</p>
<p>2X4 FACE JOINT</p> <p>Countersink #10 Bit 1/8" (softwood) 3/64" (hardwood) Screw #10 x 2-1/2"</p>	<p>2X4 END JOINT</p> <p>Countersink #10 Bit 1/8" (softwood) 3/64" (hardwood) Screw #10 x 3"</p>

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EZ Corner Clip
THE EZ WAY TO BUILD
BOXES & CABINETS

VIDEO

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1x FACE JOINTS

3/4 to 3/4

Countersink #8

Bit 3/32" (softwood)
7/64" (hardwood)

Screw #8 x 1 - 1/4"

1x END JOINTS

3/4 to 3/4

Countersink #8

Bit 3/32" (softwood)
7/64" (hardwood)

Screw #8 x 2"

1/2 to 3/4

Countersink #6

Bit 1/16" (softwood)
5/64" (hardwood)

Screw #6 x 1"

1/2 to 3/4

Countersink #6

Bit 1/16" (softwood)
5/64" (hardwood)

Screw #6 x 1 - 1/4"

1/4 to 3/4

Countersink #6

Bit 1/16" (softwood)
5/64" (hardwood)

Screw #6 x 1/2"

1/4 to 3/4

Countersink #6

Bit 1/16" (softwood)
5/64" (hardwood)

Screw #6 x 1"

2X FACE JOINT

Countersink #10

Bit 1/8"

Screw #10 x 2-1/2"

2X END JOINT

Countersink #10

Bit 1/8"

Screw #10 x 3"