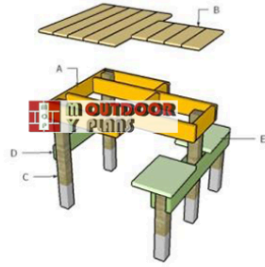


## Free Shooting Bench Plans



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Building a shooting bench

### Cut & Shopping Lists

- A – 2 pieces of 2×6 lumber – 48" long, 2 pieces – 15" long, 2 pieces – 27 1/2" long, 2 pieces – 7 1/2" long, 1 piece – 33" long **FRAME**
- B – 5 pieces of 1×6 lumber – 36" long, 4 pieces – 18" long **TOP**
- C – 3 pieces of 4×4 lumber – 42" long, 2 pieces – 25" long **LEGS**
- D – 2 piece of 2×6 lumber – 48" long, 1 piece – 32 1/2" long **BRACES**
- E – 2 pieces of 2×14 lumber – " long **SEAT**

- 4 pieces of 2×6 lumber – 8'
- 2 pieces of 4×4 lumber – 8'
- 3 pieces of 1×6 lumber – 8'
- 1 piece of 2×14 lumber – 4'
- 100 pieces of 2 1/2" screws
- 50 pieces of 1 1/4" screws
- wood glue, stain/paint
- rifle stand

### Tools

🔨 Hammer, Tape measure, Framing square, Level

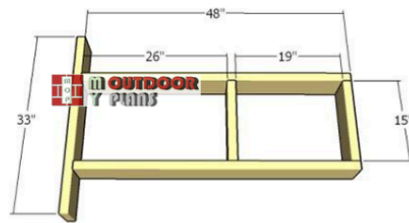
🪚 Miter saw, Drill machinery, Screwdriver, Sander

🧤 Safety Gloves, Safety Glasses

### Time

🕒 One day

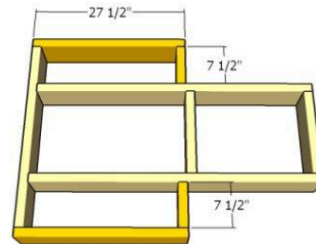
## Building a shooting bench



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*Top-frame*

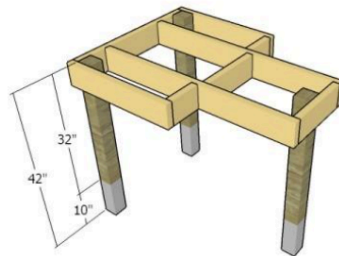
The first step of the project is to build the top frame for the shooting bench. Cut the components from 2x6 lumber at the right dimensions. Drill pilot holes and insert 2 1/2" screws to lock them together. Add glue to the joints and align the edges with attention. Use a speed square to make sure the corners are right-angled.



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*Assembling the top frame*

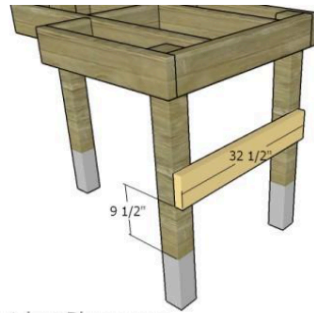
Attach the rest of the components to the top frame, as shown in the diagram. Drill pilot holes and insert 2 1/2" screws.



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*Fitting the legs*

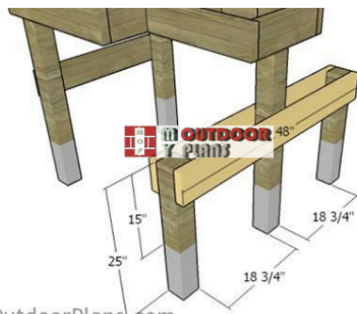
Use 4x4 lumber for the legs of the shooting bench. As you can easily notice in the diagram, you need to set the posts in the ground for at least 10". Ideally you should set the post in concrete. Drill pilot holes through the top frame and insert 2 1/2" screws into the posts. Use a spirit level to check if the posts are plumb.



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Front support

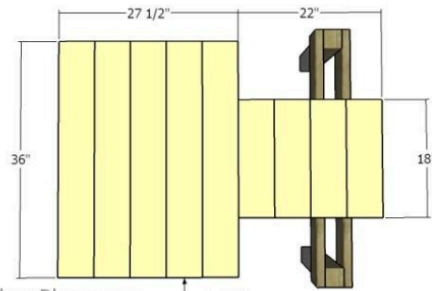
Fit a 2x6 brace to the front legs. Drill pilot holes and insert 2 1/2" screws into legs.



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Fitting the seat supports

Attach 4x4 legs for the seats of the shooting bench. Plumb the legs with a spirit level and set them into concrete. Attach 2x6 beams to the shooting bench, as shown in the diagram. Drill pilot holes and insert 2 1/2" screws.



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Fitting the top slats

Attach 1x6 slats to the top frame of the shooting bench. Leave no gaps between the slats, align them at both ends, drill pilot holes and insert 1 1/4" screws.



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*Fitting the seat slats*

Use 2x14 lumber for the seat. Fit the pieces of lumber to the support beams and lock them into place with 2 1/2" screws. Smooth the edges with sandpaper or with a router. Alternatively, you can glue together two pieces of 3/4" plywood.



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*Free shooting bench plans*

Take care of the finishing touches before applying the stain.



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*Shooting bench plans*

Fill the holes with wood putty and let them dry out for a few hours. Smooth the surface with 100-220 grit sandpaper and remove the residues with a damp cloth.

**Top Tip:** Apply a few coats of paint or stain to the components, to enhance the look of the project.