



AN ORIGINAL YOU CAN MAKE YOUR OWN

The Clear Desk Laptop Riser

Lift a laptop slightly and keep a keyboard or notebook beneath. Recessed feet and a plywood top make a clean desktop platform.



24 in W x 11-1/4 in D x approx. 4-1/4 in H

One plywood top, two 1x4 feet and a 1x2 rear rail.

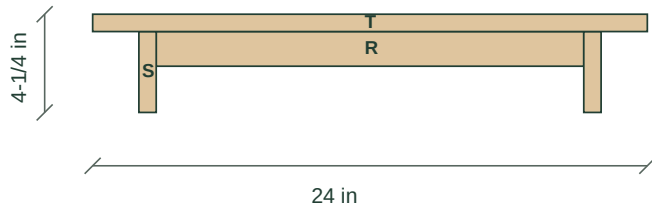
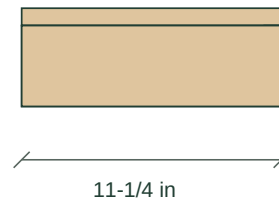
Project visualization. Build to the [dimensioned drawings](#) and [cut list](#).



01 / DIMENSIONS

Know the shape. Keep the size.

Dimensioned views show the finished form. Use the cut list and part labels together; drawings are references, not full-size drilling or cutting templates.

FRONT / WIDTH**SIDE / DEPTH**

Top: 24 x 11-1/4 in. Height: 3-1/2 in plus actual T thickness, approximately 4-1/4 in. S left faces are 2 and 21-1/4 in from T left end; inside gap is 18-1/2 in. R rear face and upper edge are flush with S.

Part key

T: Top panel / S: Vertical feet / R: Rear rail

Plan note: dimensions and stock layouts checked digitally; not physically built or load-tested. No weight capacity is specified.



02 / SHOPPING AND PARTS

Buy the stock. Label every part.

Choose straight, dry indoor stock. Ordinary pine or whitewood suits the solid parts; use flat, sound plywood where specified. Store names are nominal: measure actual thickness and width.

BUY	QUANTITY / NOTES
3/4 in plywood	One flat, sound-core panel at least 24 x 11-1/4 in; measure actual thickness.
1x4 x 4 ft	1 board for two feet.
1x2 x 4 ft	1 board for R.
Hardware	8 pocket screws for the actual joint; 1-1/4 in for measured 3/4 in material.
Supplies	Glue, sandpaper, finish and thin non-slip pads.

CUT LIST

FINISHED SIZES / INCHES

ID	PART	QTY	STOCK	LENGTH	WIDTH	THICKNESS
T	Top panel	1	3/4 ply	24	11-1/4	3/4 nom.
S	Vertical feet	2	1x4	11-1/4	3-1/2	3/4
R	Rear rail	1	1x2	18-1/2	1-1/2	3/4

Stock is the store label; **length, width and thickness** are the finished part sizes. Quantities are individual pieces. Allow for saw kerf and square the ends before measuring. Plywood thickness is nominal: measure the actual panel.

Tools

Tape, square, pencil, supported saw, drill/driver, clamps and sanding tools. Use eye, hearing and dust protection. Clamp small parts and keep hands clear of cutting and screw paths. Pocket-hole jig and a guided saw for plywood.

**03 / CUT AND PREPARE**

A clear layout before the first cut.

Each strip is a stock board. Part labels and lengths are in inches. Allow a 1/8 in kerf, square an end first and measure every cut from its new end. Leave spare stock for defects.

1x4 x 48 in**1x2 x 48 in**

T is separate plywood; actual thickness controls height and screw setup.

1**Cut top (T), feet (S) and rail (R)**

Keep T flat and square. Cut matching S pieces to 11-1/4 in; their 3-1/2 in board width becomes the standing height. Cut R to 18-1/2 in.

2**Mark feet (S) beneath top (T)**

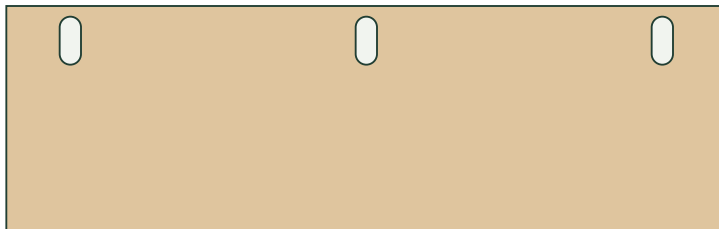
From T left end mark S left faces at 2 and 21-1/4 in, then their 3/4 in thickness. Align their front and rear ends with T. Confirm the 18-1/2 in clear gap.



Check the joint before assembly.

Use the sketch and the named parts to understand the setup. Hole symbols are schematic; the written dimensions and actual hardware control drilling.

S / FACE - UPPER LONG EDGE



Three pockets along the TOP edge of each S.

R: one pocket at each end, on its front face.

Test the receiving plywood thickness.

3

Dry-fit S and rear rail (R)

Stand S on their long edges. R spans between them at the rear, upper edge flush with S tops. Check square corners, parallel feet and enough space for your keyboard.

4

Drill feet (S) and rail (R)

For measured 3/4 in stock use 1-1/4 in pocket screws with jig-approved heads, coarse thread for softwood or the maker's choice for your material. Set jig and collar to actual thickness, test matching scrap and use low clutch torque. Put three pockets along each S TOP long edge, 1, 5-5/8 and 10-1/4 in from front. Put one centred pocket at each R end. Test receiving plywood before drilling the real parts.



05 / ASSEMBLE

Keep it square as it comes together.

Support the work while clamping or turning it. Use the marked reference edges and the correct screw for each joint; do not swap hardware lengths.

5 Join rear rail (R) to feet (S)

Clamp R between S with rear faces and tops flush. Put R pockets on its front face for driver access. Drive one screw per end and recheck the base width.

6 Attach the S/R base to top (T)

Place T upside down and align S to the marks. Glue S upper edges lightly, clamp and drive six screws into T. Thinner plywood requires the jig maker's revised setup; tips must not emerge.

7 Finish T and the S/R base

Ease exposed edges while leaving joining faces square. Sand 120 then 180 grit as appropriate, remove dust and test finish on an offcut. Follow finish ventilation and full cure directions. Seal plywood edges. Once fully cured, fit non-slip pads evenly under S without making the platform rock.

Detail to keep in mind

T is plywood to avoid a wide solid-wood movement joint. Do not replace it with a solid board while keeping this fixed screw pattern.

[Fixing reference and setup guidance](#)



06 / FINISH AND INSPECT

Ready for its place in the room.

Let glue and finish fully cure. Inspect the finished project and its installation before everyday use. Correct loose, split or sharp parts first.

8

Check equipment fit and ventilation

Support the complete laptop footprint on T, keep all ventilation openings clear and route cables without pulling the riser. Do not balance equipment near an edge or stack heavy devices.

9

Inspect T, S and R before use

Check for rocking, splits, loose joints, stripped plywood and exposed screw tips. Correct faults before loading. This is a small desk riser, not a person-supporting platform.

Use and care

Indoor desktop use. No sitting, standing or body-weight leaning. No equipment weight capacity is specified.

Made to keep making.

You may sell your finished physical makes. Please link to GrainBench rather than selling or redistributing these plan files, drawings or project images.

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Questions or corrections? service@grainbench.com