WS-015 Open-spoke clothesline winder

Coil a removed household clothesline without a loose tangle.

Controlling dimensions: US inches and feet. Metric equivalents are references. Original editorial design; no physical build, animal trial or load certification is claimed.

Before marking and cutting

US inches; feet where appropriate. Metric values are rounded references. Written inch values control.

3/4 in means measured 0.750 in actual thickness wherever used. Recalculate mating lengths for other sheet thicknesses; do not substitute nominal stock blindly.

Use limits

No line anchorage or load-bearing function; keep loose line away from children and animals.

Materials and finished cuts

Part	Qty	Size to cut	Material and detail
A Winder blank	1	12 × 5 × 1/2 in 304.8 × 127 × 12.7 mm	Sanded birch plywood with sound, void-free receiving edges. Measured actual thickness 1/2 in.

Tools

Rule with fractional inches; Pencil or appropriate material marker; Reliable square; Saw suited to the specified stock; Clamps; Abrasive and dust-removal brush; Drill with the specified bit and depth stop where needed

Primary context and design record

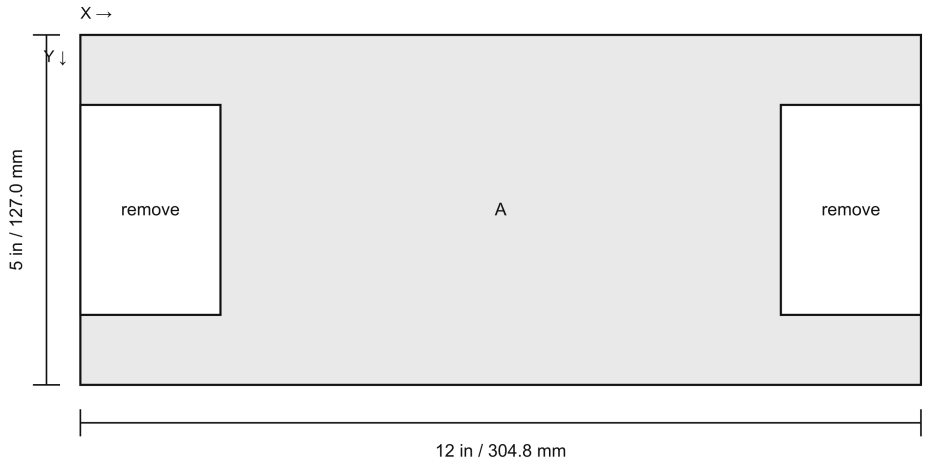
Context references; not design endorsements or certifications.

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Assembly and first checks

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PLAN / reference origin at front-left; not to scale. Inch values control.



Part letters identify the cut-list pieces. Dashed outline = underside part.
Coordinates in the method use the same X/Y reference.
Do not drill from the graphic: transfer the written center coordinates.
Original editorial design; no physical construction trial or certified load rating.

01 Use this winder only to store a removed line. It is never a line anchor, tensioner or device for lifting anything.

02 Cut A to 12 × 5 × 1/2 in from sound plywood. Mark X along its 12 in length.

03 On each short end mark a centered 3 in wide mouth, leaving 1 in at each side of the 5 in width.

04 Mark each U-shaped mouth 2 in deep, with 1/2 in radius inner corners; the solid central web remains 8 in long.

05 Clamp A, drill starter holes within the waste and cut both mouths with a coping saw. Support the waste so it cannot tear the veneer.

06 Round every cut edge and the four outer corners. Pull scrap cotton cloth over the edges to check for snags.

Complete the assembly

WS-015 Component dimensions

Orthographic component reference. Quantities shown; not a sheet nesting plan or full-size template.



12 × 5 in

A Winder blank QTY 1

12 in / 304.8 mm × 5 in / 127.0 mm

thickness 1/2 in / 12.7 mm

Measured actual stock controls. Read the written assembly sequence before cutting or fastening.

07 At the center of one solid long edge cut a shallow V notch 1/8 in deep and 1/4 in wide to park the line end; round the bottom of the notch.

08 Lay one line end in that notch, leaving no free loop. Wind the dry removed line around the two mouths with even hand tension only.

09 Stop before the coil reaches the outside corners. Tuck the final 6 in end beneath one turn without tying a large loop.

10 Label the line’s actual length and intended use on the central web; unwind fully for inspection before reinstalling it on suitable separate anchors.

Acceptance and intermediate checks

Two mouths are 3 in wide × 2 in deep with rounded corners.

Remaining central web 8 in long, free from cracks.

Line pays out by hand without snagging a sharp edge.

Cleaning and maintenance

Dry line before winding.

Inspect mouth roots for delamination each use.