WS-018 Handsaw tooth-cover sleeve

Enclose the teeth of one dry hand saw during storage with a removable folded polymer cover.

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

Storage cover only; not cut-resistant PPE, a transport case for a moving machine or a saw guard during use.

Materials and finished cuts

Part	Qty	Size to cut	Material and detail
A Polymer cover blank	1	24 × 3 1/2 in 609.6 × 88.9 mm	1/16 in polypropylene sheet; smooth edges, not brittle plastic. Cut blank before seams or fitting.
B Hook-and-loop wraps	2	3/4 × 6 in 19.05 × 152.4 mm	Reusable hook-and-loop straps, 3/4 in wide. Cut blank before seams or fitting.

Tools

Rule with fractional inches; Pencil or appropriate material marker; Scissors or cutter suited to the actual material; Straightedge; Sacrificial cutting backing

Primary context and design record

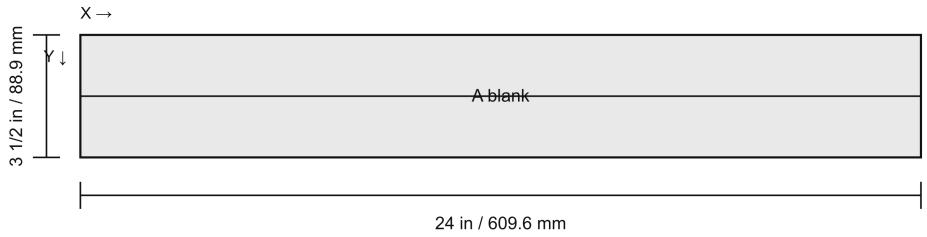
Context references; not design endorsements or certifications.

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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 Measure the actual tooth-line length. The 24 in blank suits a hand saw with no more than 22 in exposed teeth, allowing 1 in end margins.

02 Cut A 24 × 3 1/2 in from 1/16 in polypropylene. Do not substitute brittle acrylic or use heat to force a fold.

03 Round all corners to 1/4 in radius and scrape/sand cut edges smooth with the sheet clamped.

04 Mark a lengthwise fold at 1 3/4 in across the 3 1/2 in width. Use a ruler and blunt creaser compatible with the material; do not score through it.

05 Cold-fold gently to a U channel whose two sides rise about 1 3/4 in. Stop if the polymer whitens, cracks or needs heat; choose a suitable flexible sheet instead.

06 With the saw stationary on a bench and teeth away from hands, lower the cover over the teeth without sliding a hand along them.

Complete the assembly

WS-018 Component dimensions

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



A Polymer cover blank QTY 1

24 in / 609.6 mm × 3 1/2 in / 88.9 mm cut blank

24 × 3 1/2 in



B Hook-and-loop wraps QTY 2

3/4 in / 19.0 mm × 6 in / 152.4 mm cut blank

3/4 × 6 in

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

07 Position two separate 6 in straps around the cover and blade at X = 4 and 20 in, where they do not contact the handle or sharp tooth tips.

08 Tighten straps only enough to retain the cover; no adhesive or fastener penetrates the saw blade.

09 Lift the stored saw by its own handle over a clear bench and confirm the cover stays seated. Remove it before any sawing.

10 Write REMOVE BEFORE USE on the cover and inspect its fold after the first storage cycle.

Acceptance and intermediate checks

Actual tooth line no longer than 22 in is completely enclosed.

Polymer has no cut-through fold, crack or exposed sharp edge.

Cover remains on during a supervised handle-lift trial.

Cleaning and maintenance

Dry blade and cover before storage.

Replace cut, brittle or cracked polymer and worn straps.