WS-052 External cooler probe-cable parking clip

Park the loose exterior cable of a purchased cooler thermometer without drilling the cooler.

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

Cable management only; no cold-holding, seal, food-safety or temperature-control guarantee.

Materials and finished cuts

Part	Qty	Size to cut	Material and detail
A Clip backing	1	2 × 1 × 1/4 in 50.8 × 25.4 × 6.35 mm	Sanded birch plywood with sound, void-free receiving edges. Measured actual thickness 1/4 in.
B Soft retaining strap	1	1/2 × 4 in 12.7 × 101.6 mm	Paired reusable hook-and-loop tape. Cut blank before seams or fitting.

Hardware and consumables

2 × Compatible removable mounting strips. One strap-to-A, one A-to-cooler; actual surface fit required.

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.

WS-S01 · Hand and Power Tools · OSHA

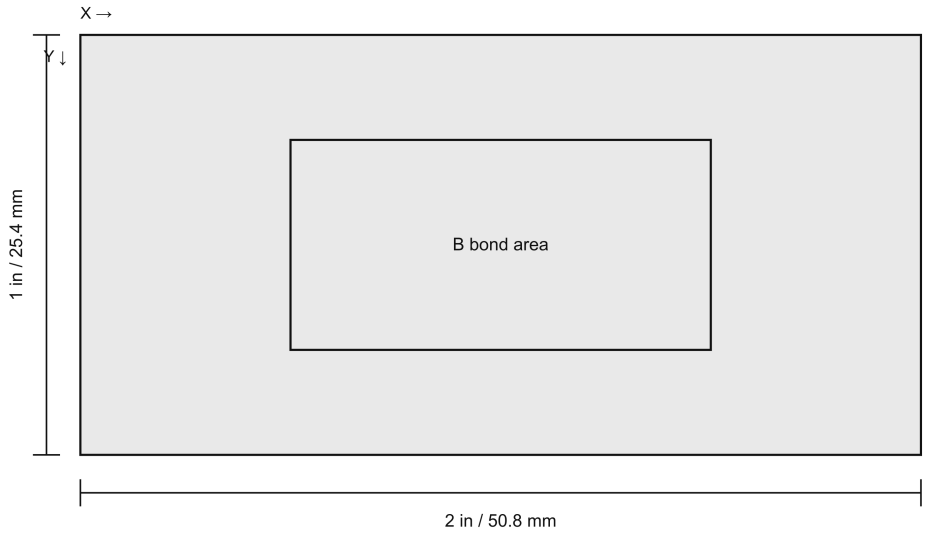
WS-S02 · Packaging Foods · Utah State University Extension

WS-S03 · Food Storage Conditions · Utah State University Extension

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 only a thermometer maker-approved probe route. Never drill a cooler, pinch a cable under a lid or assume the probe makes stored food safe.

02 Cut A 2 × 1 × 1/4 in from smooth polymer or plywood for external dry use.

03 Round corners to 1/4 in radius and smooth all cable-contact edges. Mark the center X = 1, Y = 1/2 in.

04 Cut B 4 × 1/2 in from a reusable hook-and-loop strap. Leave enough loop circumference to hold the cable loosely, not compress it.

05 Attach B’s middle 1 in section to A with compatible external-use adhesive tape, following the adhesive maker’s surface preparation and cure instructions.

06 Attach A outside the cooler with a removable mounting strip selected for its actual surface. Do not cover a drain, handle, vent or label.

Complete the assembly

WS-052 Component dimensions

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



2 × 1 in

A Clip backing QTY 1

2 in / 50.8 mm × 1 in / 25.4 mm

thickness 1/4 in / 6.3 mm



1/2 × 4 in

B Soft retaining strap QTY 1

1/2 in / 12.7 mm × 4 in / 101.6 mm cut blank

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

07 Let the adhesive reach its labeled dwell time before putting any cable in the strap. Record the selected adhesive and probe route.

08 Place only the exterior slack cable in B, leave a gentle bend radius specified by the instrument maker and close the strap loosely.

09 Open the cooler fully and inspect the route. If the cable moves into a pinch or prevents the seal closing normally, remove it and follow a different maker-approved route.

10 Read and log temperature through the instrument’s own instructions. Remove the clip before transport if it can catch on another object.

Acceptance and intermediate checks

No cooler wall or lid is drilled.

Cable loop remains slack and outside pinch points.

Lid closes normally with the approved probe route.

Cleaning and maintenance

Inspect adhesive and cable sheath before use.

Replace a damaged cable through the instrument maker.