

Custom Bench Solutions

Tournesol creates custom seating solutions built around your vision. Our engineering team partners directly with you to design benches that address site-specific challenges while bringing your design intent to life. Crafted in our Port Orchard, Washington, facility, each bench combines precision steel fabrication with expert wood craftsmanship, offered in a range of species with powder-coated steel frames.

Our hybrid wood-and-steel approach unlocks design flexibility, accommodating complex angles, unique mounting conditions, and integrated features such as lighting or armrests. Every project includes structural analysis and custom-engineered mounting solutions tailored to your application. Connect with a Tournesol Advisor today to explore your custom seating project and discover what's possible.

Custom Bench Solutions

HOW TO GET STARTED

You can reference standard products like Wally, Camino, or Willard as a starting point, or create something custom by providing conceptual drawings or plans to start your project.

ENGINEERING COLLABORATION

Our engineering team partners with you to fabricate benches that address site-specific challenges while bringing your design intent to life.

REQUEST A QUOTE

Submit your project details at tournesol.com/request-quote or connect with a Tournesol Advisor at tournesol.com/advisors. We'll review your project and schedule a time to discuss your vision.

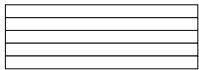
WE'RE HERE TO HELP

Tournesol's Customs Team and Advisors support you through every stage—from planning and quoting to fabrication. tournesol.com/advisors

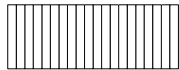
DESIGN PARAMETERS

Board Orientation

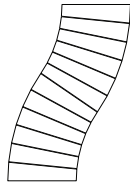
Piano key or linear board arrangements available.



Linear

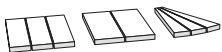


Piano Key

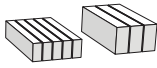


Piano Key, Curved

Place boards horizontally or vertically.



Horizontal



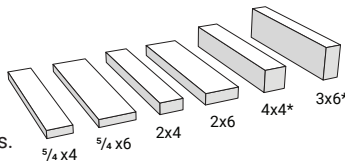
Vertical

Board Stock Sizes

Board profiles: $\frac{5}{4} \times 4$, $\frac{5}{4} \times 6$, 2x4, 2x6, 4x4*, 3x6*.

Lengths from 12" to 108".

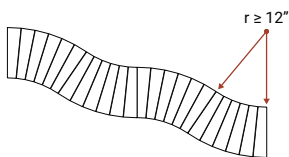
*Not available in all wood species.



Curves

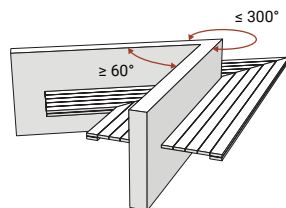
Curves may be any radius ≥ 12 ".

Curved benches require piano board orientation.



Corner Angles

Corners may be any angle ≥ 60 .



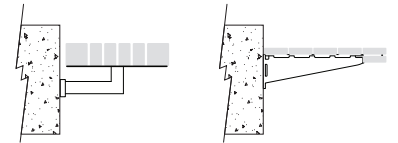
SUPPORT REQUIREMENTS

The structural capacity of the supporting wall and the method of attachment are crucial considerations in designing a wall-mounted bench. Custom benches require engineered mounting solutions based on configuration.

Wall-mounted benches may be installed using a variety of mounting methods, typically bracket-based or leg-supported. Our advisors can help you select the right approach for your project, but in most cases, the following holds true:

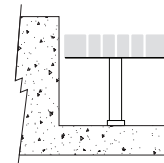
Bracket Mounted

Bracket mounting, required for cantilever benches, utilizes integrated steel frames and must be anchored directly into a level concrete slab or curb.



Leg Supported

The use of leg supports for mounted or freestanding benches still requires adequate structural foundation and load distribution.



BACK STYLES

No Back

Flat Back

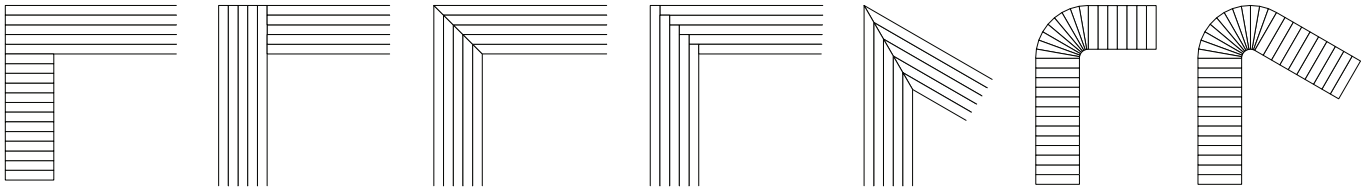
Angled Back

ADA-Style Accessible

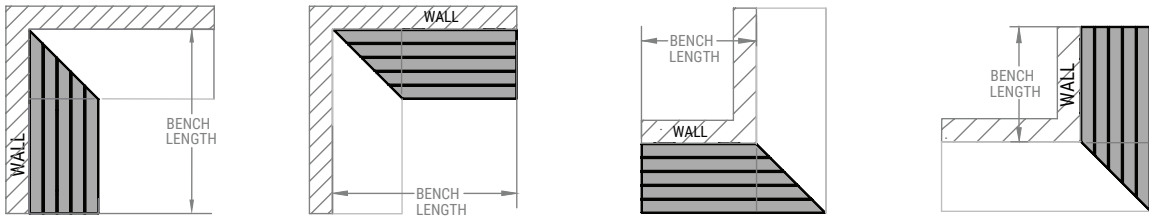
Bench Corners and Mounting

CORNER OPTIONS

Board orientation, whether linear or piano key, determines corner options. Below are a few examples.



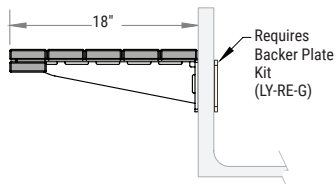
Bench length describes the length of the bench that attaches to the wall, see drawings below.



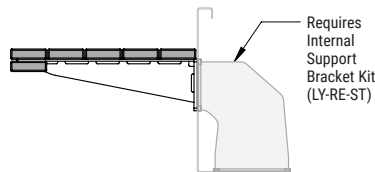
Inside Corner (shown)

Outside Corner (shown)

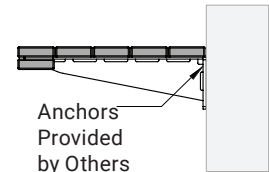
MOUNTING APPLICATIONS



Tournesol GFRC Planter



Tournesol Metal Planter or Tournesol Kitsap Wall



Cast-in-Place Wall
Anchors and reinforcement not included

Cantilever benches used with Tournesol GFRC lightweight concrete, aluminum, or steel planters need reinforcement behind planter walls. Custom benches can be added to other structures, such as walls and cast-in-place planters, but anchoring and reinforcement are not included and should be provided as needed by others. See *diagrams above*.

Planters supporting benches may need to be anchored, depending on size. Discuss with your Advisor. Benches can be mounted at any height, but for seating we recommend 18".

Cantilever benches can also be used as a counter by mounting at 36", or at 42" for bar height.

Bench Materials

THERMALLY MODIFIED HARDWOOD

Our thermally modified wood is manufactured from hardwood harvested in the Northeast, typically Oak. The wood is milled and thermally processed, heated in a kiln, naturally producing a deep, rich color. This color is unique to each piece of wood and each batch in the kiln is subject to variation.

Like any natural wood product, the surface of thermally modified wood will turn silver/gray once exposed to UV sunlight. Although the wood color will change, the durability and decay resistance remain the same. Our thermally modified hardwood is dimensionally stable and exhibits minimal expansion or shrinkage. In addition, the altered cell structure keeps the wood from absorbing moisture, which causes typical warping, twisting, cupping, and cracking.

Whether in planters or site furnishings, all wood elements of our products are treated with Penofin® Oil before delivery. Designed for long-term use in commercial exterior applications, they can also be applied indoors.

DOUGLAS FIR

A coniferous softwood tree commonly found in western North America, the Douglas Fir is a strong and dense wood with a high stiffness-to-weight ratio. It has a straight grain and a moderately coarse texture, characterized by a reddish-brown color. Highly resistant to decay and insect damage, its properties present strength, durability, and versatility for outdoor applications.

WESTERN RED CEDAR

Native to western North America, Red Cedar is a softwood tree, highly valued for its resistance to decay and insects, durability, and attractive reddish-brown color. The wood is lightweight yet solid and stable, with a straight, uniform grain and a fine, even texture. Red Cedar has a pleasant, distinctive aroma due to the natural oils that help protect it from decay and insects.

POWDER-COATED STEEL

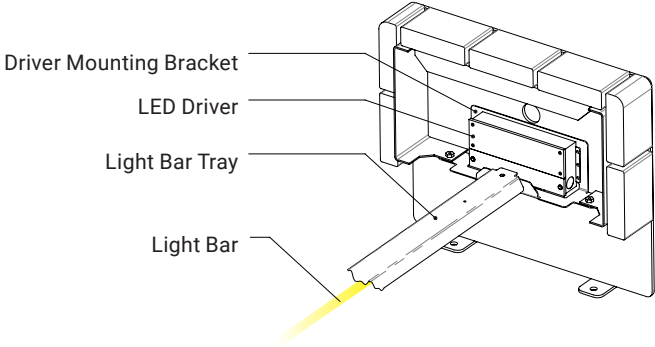
Mild steel planter walls are powder-coated for a durable and long-lasting finish. We clean all metal products before coating with a shot blasting process, apply a zinc-rich primer for a protective layer base, then coat with a high-quality polyester powder-coat.

Integrated Lighting

We can integrate LED strip lighting or Accessory Pockets to support data, lighting, and audio needs.

LED LIGHTING

For under-bench lighting, we offer an easy-to-install LED lighting system that enhances nighttime activities. The light is 2700K, UL Listed, and wet-rated.



ACCESSORY POCKET

For lighting mounted on product exteriors, we create integrated pockets within product walls to house fixtures and electrical connections. We can accommodate most lighting fixtures. Additionally, we have a list of recommended fixtures for which we have pre-engineered pockets. Using fixtures from this list shortens the design/engineering time. Our Advisors will coordinate with the project team to determine the final placement.

Our Advisors are available to provide additional information.

Bench Examples

