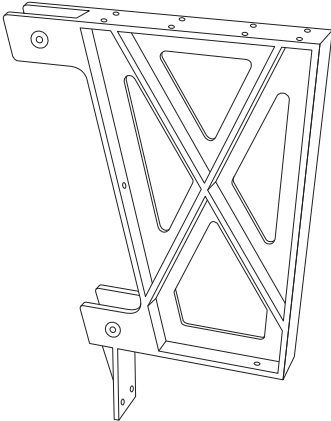
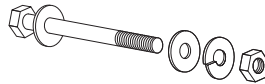


PARTS INCLUDED:

A BENCH BRACKET (1)



B 1/4" X 2 1/2" BOLT SET (2)



C 1/4" X 1 1/2" LAG BOLT & WASHER (4)



D #8 X 2 1/2" SCREW (8)



E #10 X 1" SCREW WITH WASHER (10)



Note: Bracket count varies by bench size -
4 brackets for an 8' bench, 6 for 12', 8 for 16'.

MATERIALS NEEDED:

F	2" x 4" Seat framing/back uprights (cut to bench length)
G	2" x 6" Seat & back slats (cut to bench length)
H	1" x 4" Guard rail (optional)

Note: Lumber is not included and must be supplied by the installer. Cut to your bench length. For corner benches, buy 2 x 6 lumber one foot longer than a straight run of the same length.

For installations only on metal or aluminum surfaces, appropriate metal fasteners (sold separately) are required.

LUMBER & BRACKET QUANTITIES BY BENCH SIZE:

	BENCH LENGTH		
	8'	12'	16'
	4	6	8
2" x 4" (F)	2 x 8'	3 x 8'	4 x 8'
2" x 6" (G)	6 x 8'	6 x 12'	12 x 8'
1" x 4" (H)	1 x 8'	1 x 12'	2 x 8'

For corner benches, add one foot to each 2" x 6" length.

TOOLS REQUIRED:

- Tape measure
- Pencil or marker
- Drill
- Drill bits (3/32", 5/32", 1/4")
- Screwdriver or impact driver
- Cutting tool only for metal/aluminum surface installations (hacksaw or power miter saw with metal blade).
- Saw
- Level
- Wrench or 7/16" socket
- Safety equipment (gloves, goggles)
- Touch-up paint (optional)
- Exterior-grade sealant (exterior installations)
- Hammer (deck-board fastening)

FOR A SUCCESSFUL INSTALLATION:

- Read the instructions completely before beginning the installation.
- Plan your bench layout and confirm the finished length.
- Check local building codes to ensure compliance.
- Confirm your part count against the lists above.
- Verify that all deck boards are at least 1-1/2" thick, solid, and free of rot or damage.
- Recruit a second person, as installation is best accomplished with two people.
- Wear personal protective equipment, such as safety glasses.
- Pre-drill your holes and take care not to over-torque the screws or bolts.
- Use this as a seating product only, never as, or in place of, a railing or guard.
- Mount all brackets no more than 60 cm (23.62") above the ground.

Deck Bench Bracket Kit

INSTALLATION TIPS:

Planning Your Project

- Dry-fit the whole bench, seat and back boards loose, before driving final screws.
- Clamp or tack one bracket, then use a level and a chalk line to align the rest before final fastening.
- Pilot holes should be slightly smaller than the fastener's shank; use the bit sizes called out in each step.
- Seal the cut ends of all lumber, as this is where rot typically starts.
- When finished, you should have used every B bolt; if any 1/4" x 2-1/2" bolts are left over, you likely missed an angled joint in Step 2.

IMPORTANT NOTES:

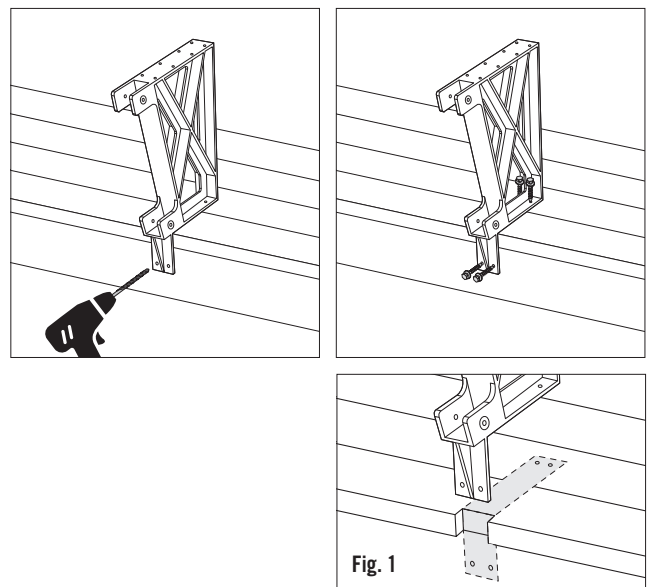
- Always comply with local building codes for height, spacing, and installation details.
- Verify surfaces can structurally support the installed product.
- A two-person installation is recommended for accuracy and safety.
- Clean the installed brackets thoroughly to remove fingerprints and debris for a professional finish.
- Regularly inspect and maintain the installation.

Nuvo Iron™, its advertising agency and delegates have made every effort to ensure the accuracy of all measurements and other details in these instructions and we anticipate no problems to arise. However, we cannot be responsible for errors beyond that effort. Therefore, always double-check details before beginning your project. Nuvo Iron™, its advertising agency and delegates shall not be held responsible for injury, damage or any other loss, however caused, resulting from the information contained in these instructions.

INSTALLATION INSTRUCTIONS:

1. Install the Bench Brackets:

- Lay out the bracket positions evenly along the deck edge, using the count that matches your bench length (see chart, page 1).
- Set each bracket (A) flat on the deck. Drill 1/4" pilot holes through the base into the deck boards, and fasten with two (2) 1/4" x 1-1/2" lag bolts & washers (C), tightened with a wrench or 7/16" socket.
- Confirm all brackets are level with one another before continuing.
- **NOTE:** Deck boards must be notched if they overhang for proper bracket installation (Fig. 1).



Deck Bench Bracket Kit

2. Install the Back Uprights:

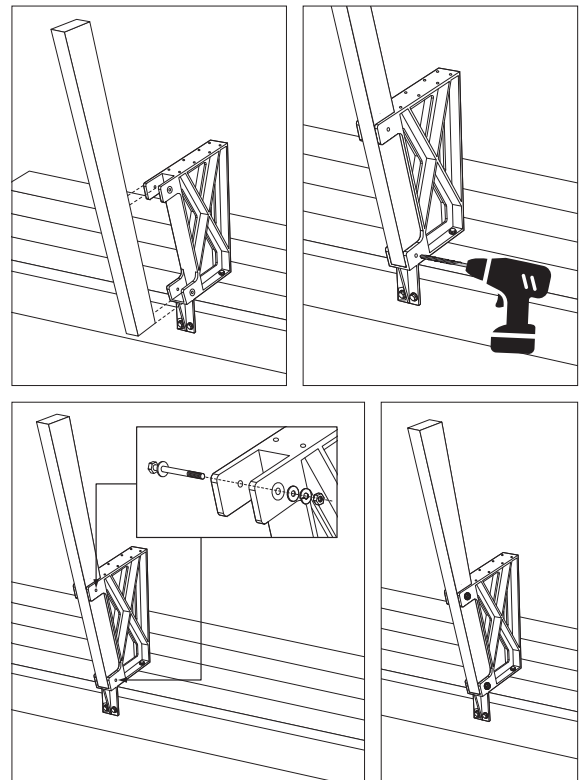
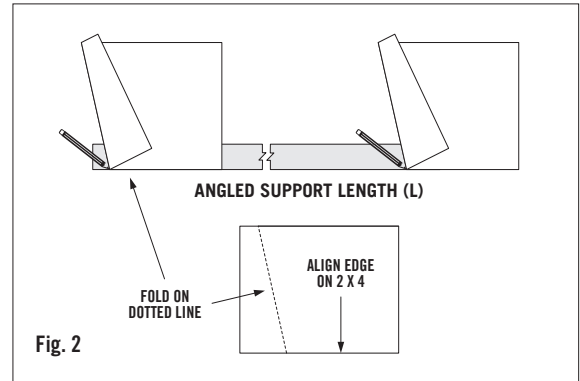
- Cut the 2" x 4" back uprights (F) to your chosen backrest height. Common finished heights are 36" and 42".

NOTE: Check your finished heights prior to cutting the back uprights. If your finished height has a top rail, subtract the top rail thickness to ensure the angled back uprights are flush with the top of each post. This will ensure the top rail sits level on the post and back uprights.

- Set the backrest angle to 77°. Use the template provided (Fig. 2) to mark the correct angle. The angled support length (L) is found from the finished height (H) using $L = (H - 0.25) / 0.974$. Use the table below.

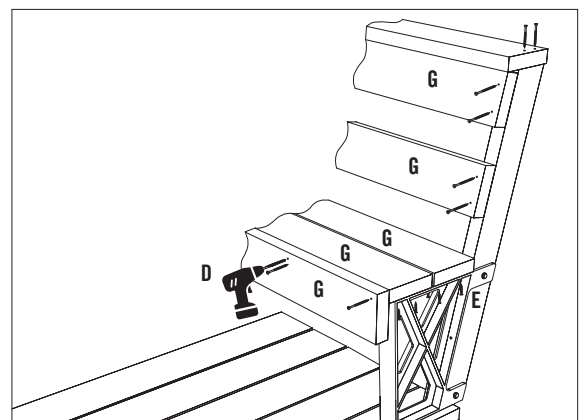
FINISHED BACK HEIGHT (H)		ANGLED SUPPORT LENGTH (L)
36"	→	36 11/16"
42"	→	42 7/8"

- Position each upright (F) against its bracket. Drill 5/32" pilot holes, and fasten the upright flat to the bracket with two (2) 1/4" x 1-1/2" lag bolts & washers (C).
- At the angled joint where the back support meets the bracket, drill 1/4" pilot holes and secure with two (2) 1/4" x 2-1/2" bolt sets (B) - one set per bracket.



3. Install the Seat and Back Slats:

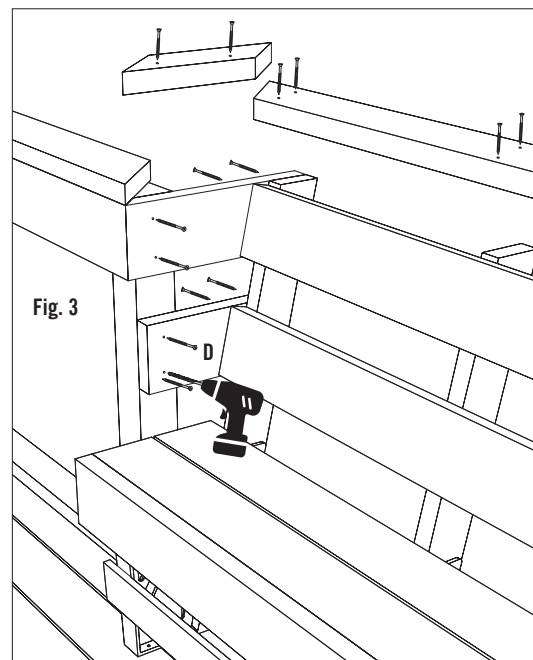
- Lay the 2" x 6" seat boards (G) across the bracket platforms. Drill 3/32" pilot holes and fasten with #8 x 2-1/2" screws (D), about six per board.
- Attach the 2" x 6" back slats (G) to the uprights the same way: 3/32" pilot holes and #8 x 2-1/2" screws (D).
- Where the seat and back boards meet each bracket, secure with #10 x 1" screws (E) as needed (about eight per bench for a standard run).



Deck Bench Bracket Kit

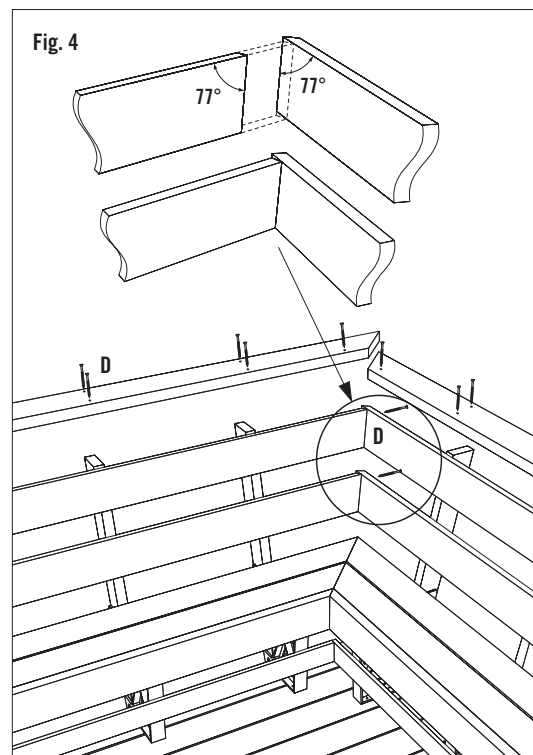
4. Handrail (if applicable):

- Cut the ends of the handrail at the required angle. Additional support material is required to attach off the post to the angled supports (Fig. 3). Use #8 x 2-1/2" screws (D) to attach required material (screws are not included).



5. Corner Bench (if applicable):

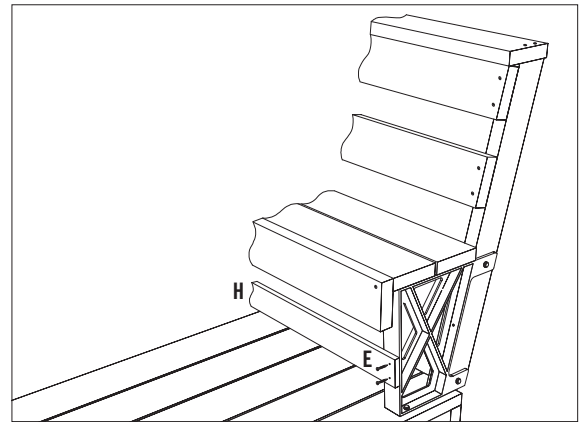
- Miter the ends of the seat and back boards where the two runs meet (Fig. 4). Add #8 x 2-1/2" screws (D) at the joint for rigidity. (screws are not included).
- Angle-cut the top rail if required and fasten with #8 x 2-1/2" screws (D) (screws are not included).



Deck Bench Bracket Kit

6. Guard Rail (if required):

- If your building code requires it, add a 1" x 4" guard rail (H) below the seat, fastened with two (2) #10 x 1" screws (E) at each bracket (these two screws are not included).
- The gap below the seat must not exceed what your local code allows.
- Check that all boards are tight and every screw and bolt is fully driven before use.



Maintenance & Care:

- *Re-check that all bolts and screws are fully tight after the first few weeks of use, and at least once each season. Wood expands and contracts with temperature and humidity, which can loosen fasteners over time.*
- *Inspect the deck boards the brackets are fastened to for signs of rot, softening, or splitting. The bench is only as sound as the surface it is anchored to. Replace any compromised boards before continuing to use the bench.*
- *Seal, stain, or paint the lumber as recommended for your climate to protect against moisture, and re-apply the finish periodically to extend the life of the seat and back boards.*
- *Wash the bracket using mild soap, water, and a soft brush to remove dirt, dust, and organic buildup. Avoid harsh chemical cleaners or abrasive materials, as they can damage the protective coating.*
- *Keep the seating surface clear of standing water, snow, and debris, which accelerate wear and can cause slipping.*
- *If any bracket, board, or fastener becomes bent, cracked, or corroded, take the bench out of service and replace the affected component before use.*
- *After cutting, drilling, or screwing, thoroughly remove all shavings and debris to prevent premature rusting and protect both the product and surrounding surfaces such as decks, railings, and concrete.*

Need a hand with your product?

Questions about installation, product support, or returns? We're here to help.

For installation tips, product support, or return questions, please reach out to us directly.

Toll-Free: 1-866-955-0355

Email: info@nuvoiron.com