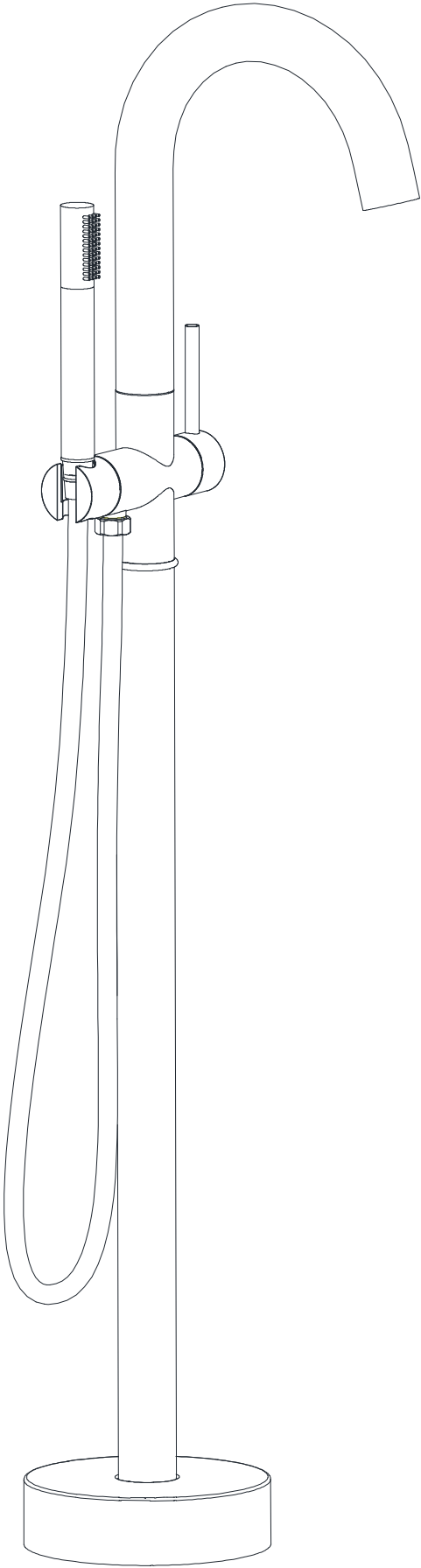


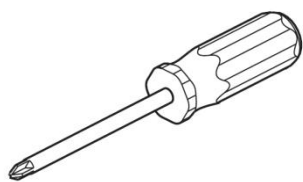
INSTALLATION GUIDE



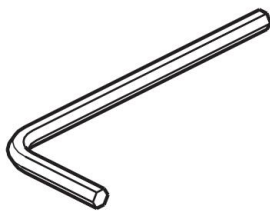
MODEL	FINISH
S2170F-CH	CHROME
S2170F-BN	BRUSHED NICKEL
S2170F-MB	MATTE BLACK
S2170F-BG	BRUSHED GOLD

CUSTOMER CARE LINE: +1-866-203-0866

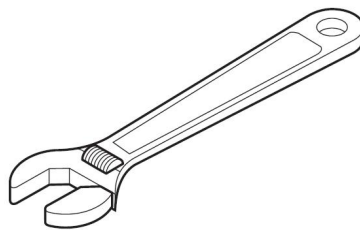
TOOLS RECOMMENDED



Philips screwdriver



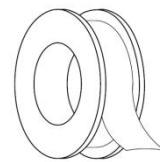
Allen wrench



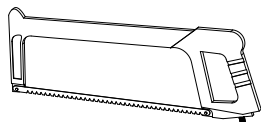
Adjustable wrench



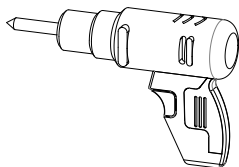
Channel locks



Thread Sealant



saw



electric drill

1. BEFORE PROCEEDING



WARNING: Before beginning any installation or operation, read all instructions carefully. If you are unsure about installing this product, consult a licensed professional. This product must be installed in compliance with all applicable local and state plumbing and building codes. Professional assistance is strongly recommended.

2. SHUT OFF WATER SUPPLY

Locate the water supply inlets and turn off the corresponding water supply valves, typically located under the sink or near the water meter. If replacing an existing unit, remove the old unit and thoroughly clean the mounting surface to ensure proper installation.

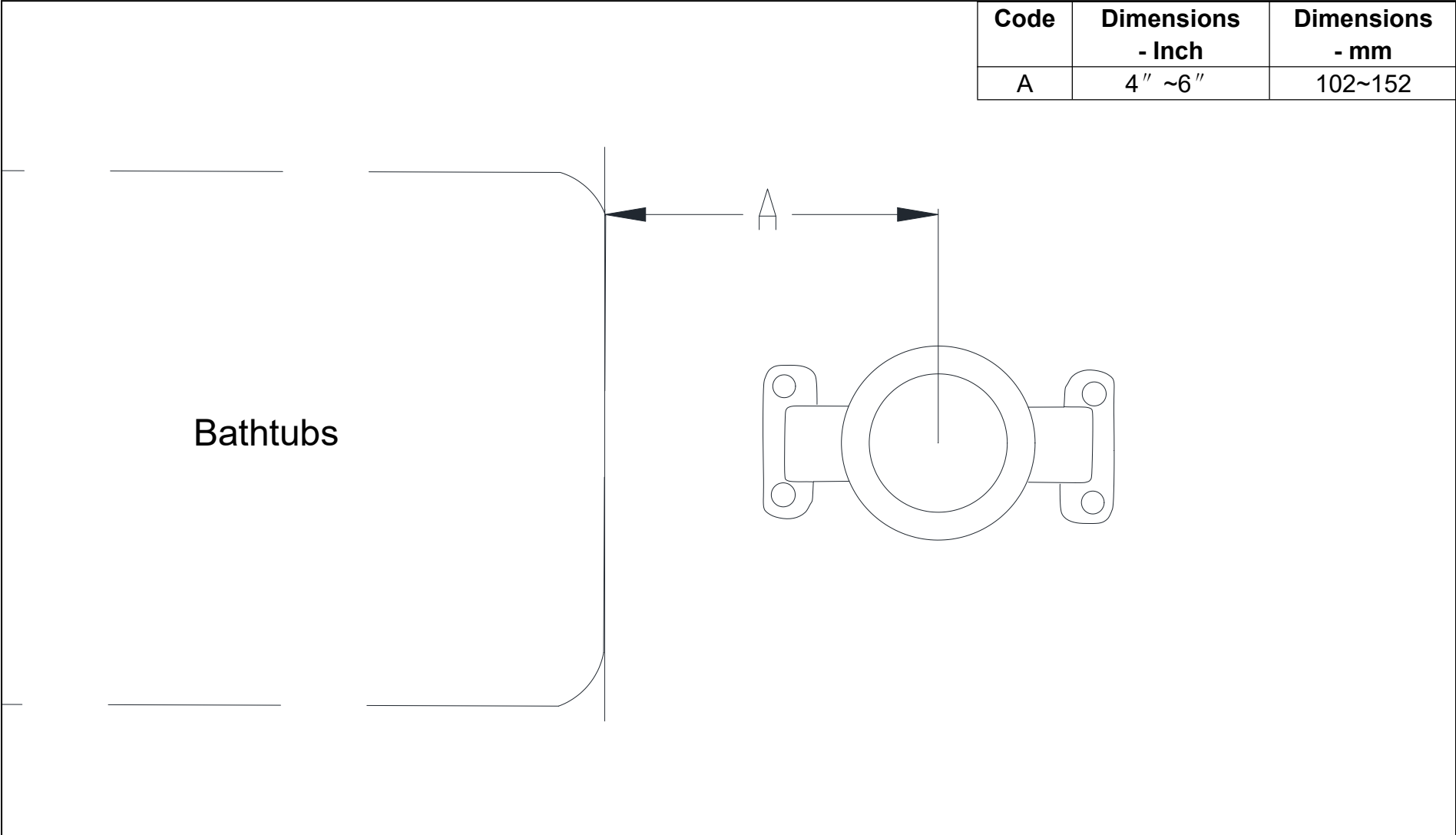
3. CHECKING THE CONTENTS OF THE BOX

Upon opening the box, verify that all the listed components are included.

4. INSTALLATION HOLES INSPECTION

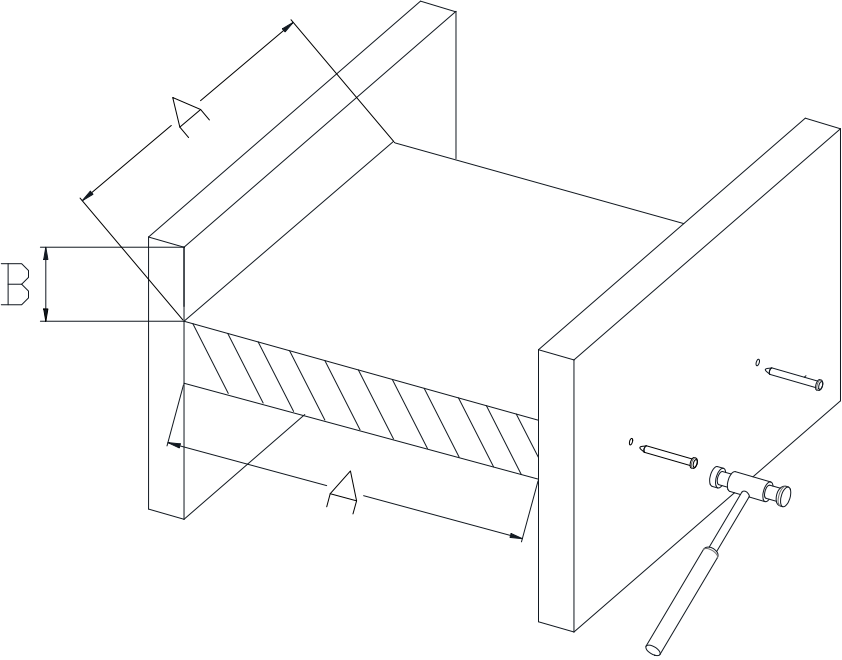
4.1 INSTALL TUB FILLER FLOOR SUPPORT

4.1.1 Position the bathtub faucet installation location with a distance of A between the bathtub and the faucet installation site.



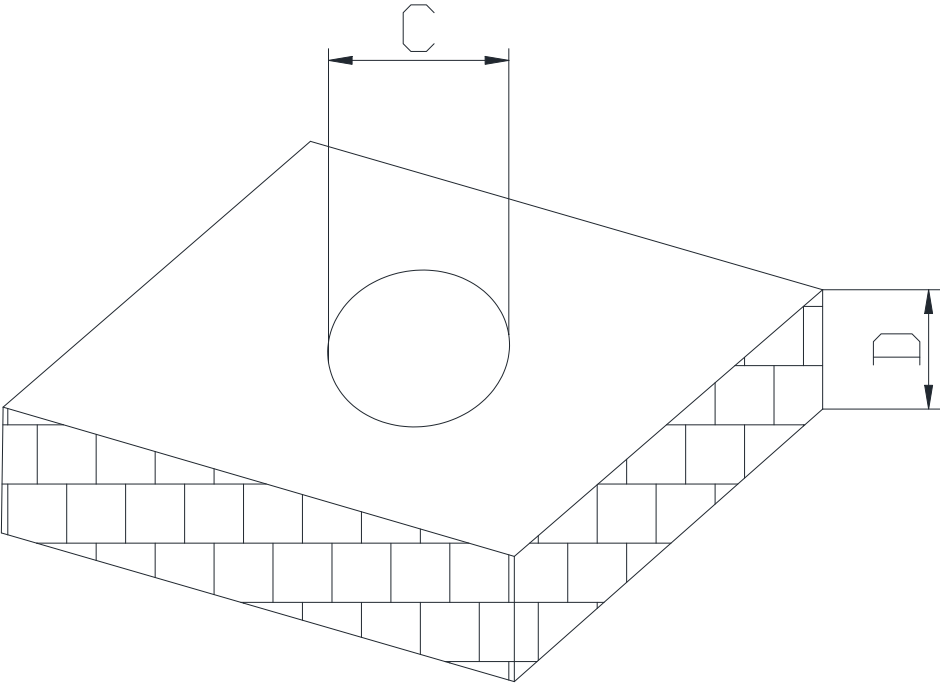
4.1.2 Construct a support bracket for the angle valves with the following minimum dimensions: “B” of depth from the support board to the decorative escutcheon surface, and “A” for both length and width.

Code	Dimensions - Inch	Dimensions - mm
A	7-3/32"	180
B	Min 2-3/4"	Min 70

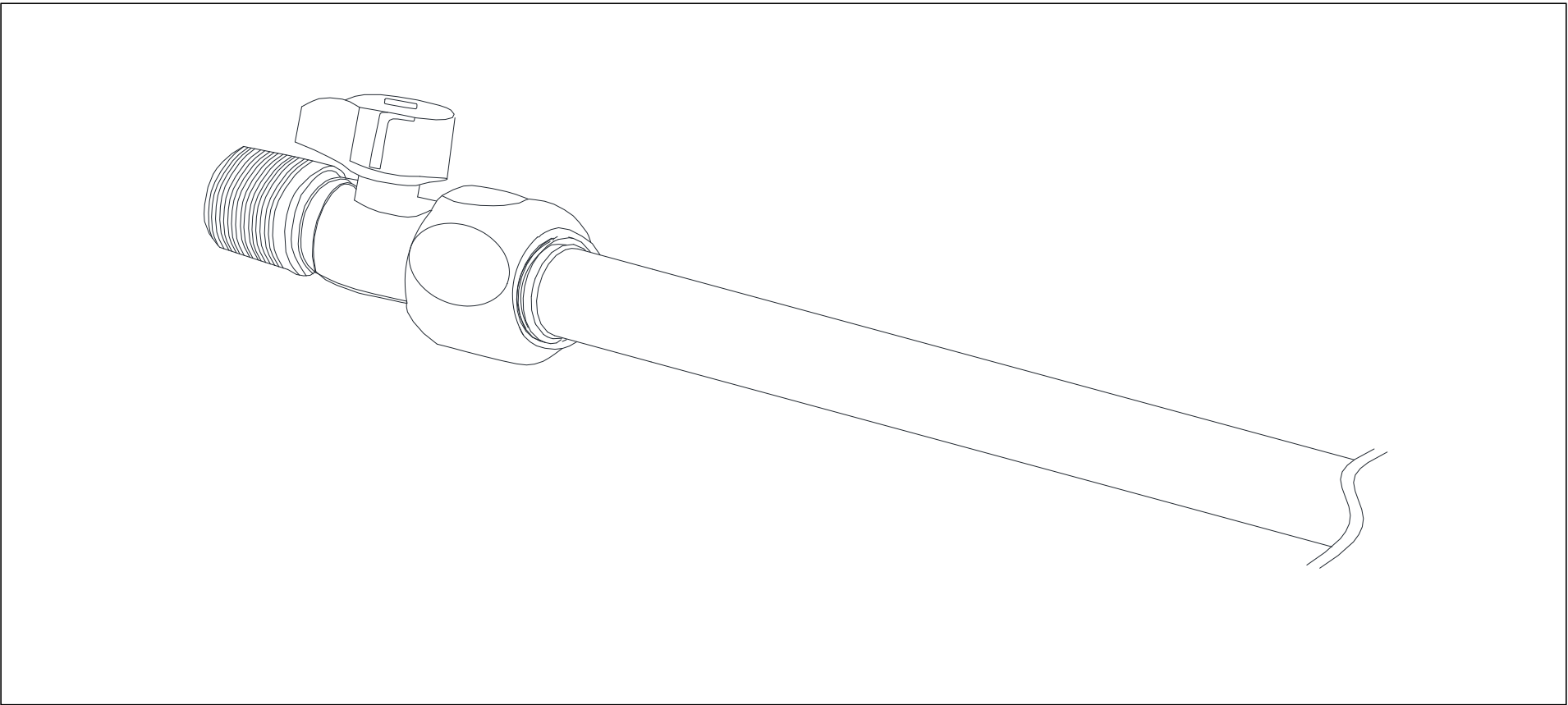



4.1.3 Fabricate a support board based on the size of the support bracket, ensuring a minimum width and length of “C” each, and a minimum thickness of “C”. Drill a hole at the center of the support board for mounting the bathtub faucet, with a diameter between inches and “D” .

Code	Dimensions - Inch	Dimensions - mm
C	Min Ø1-9/16" Max Ø3-5/32"	Min Ø40 Max Ø80
D	Min 25/32"	20



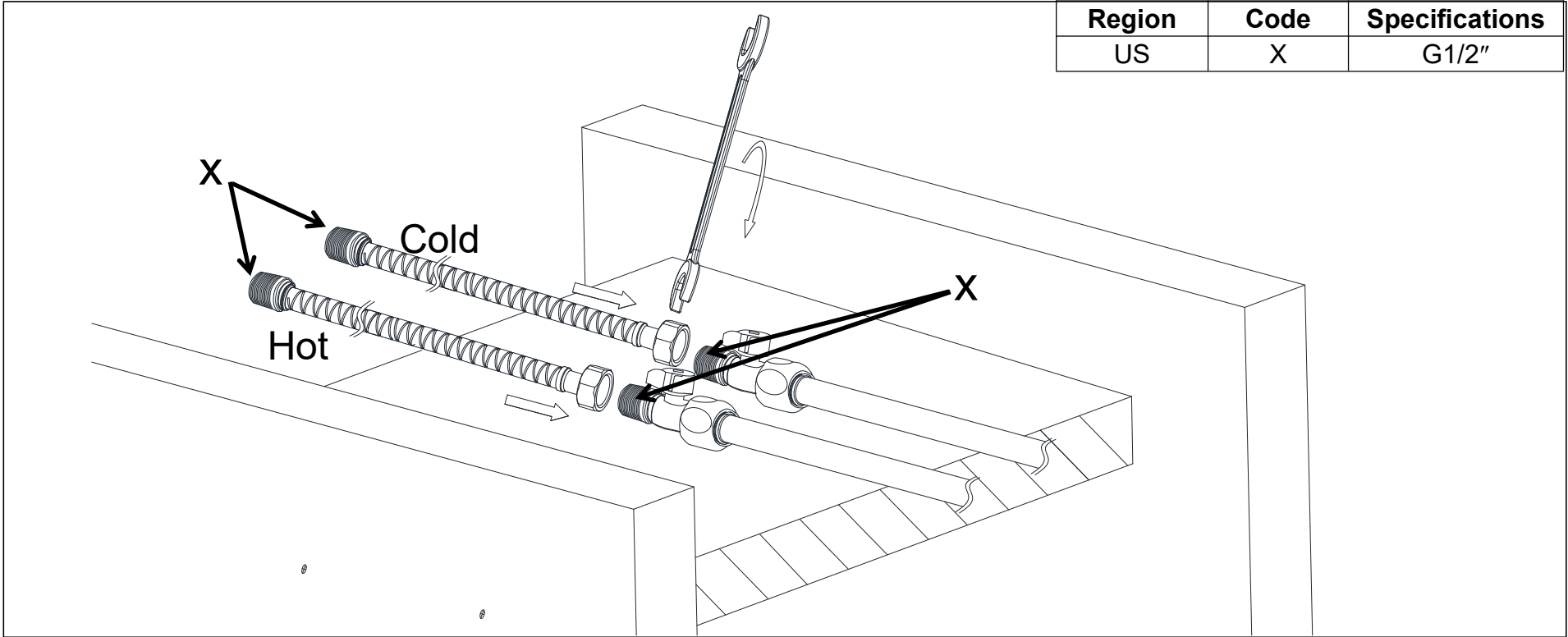
4.1.4 Connect the hot and cold water inlet angle valves with PEX pipes (convert to 1/2 inch external thread).
Max 1/2 in. Push-to-Connect x 1/2 in. MIP Chrome-Plated Brass Quarter-Turn Straight Stop Valve



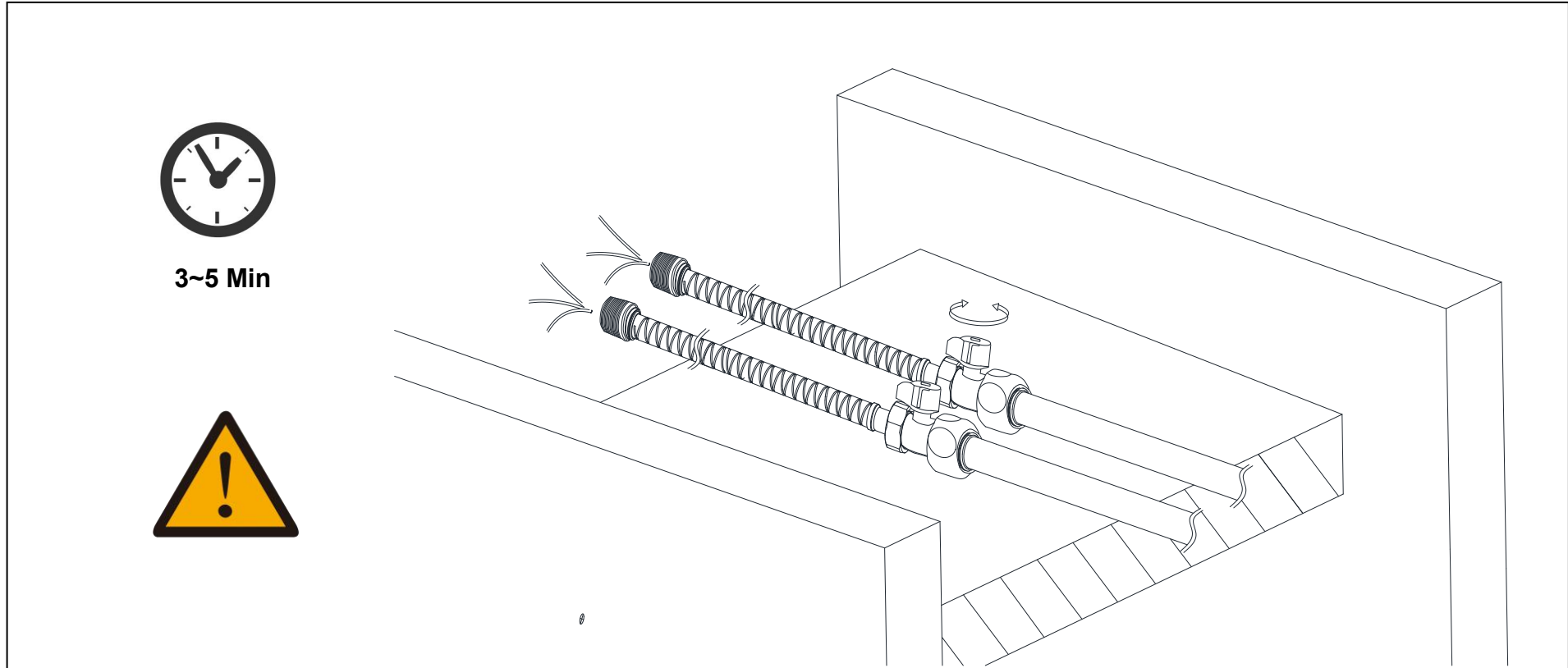
4.1.5 It is recommended to prepare two extension pipes with G1/2" external threads on one end. Connect the other end, which features internal threads compatible with the angle valve, securely to the angle valve.



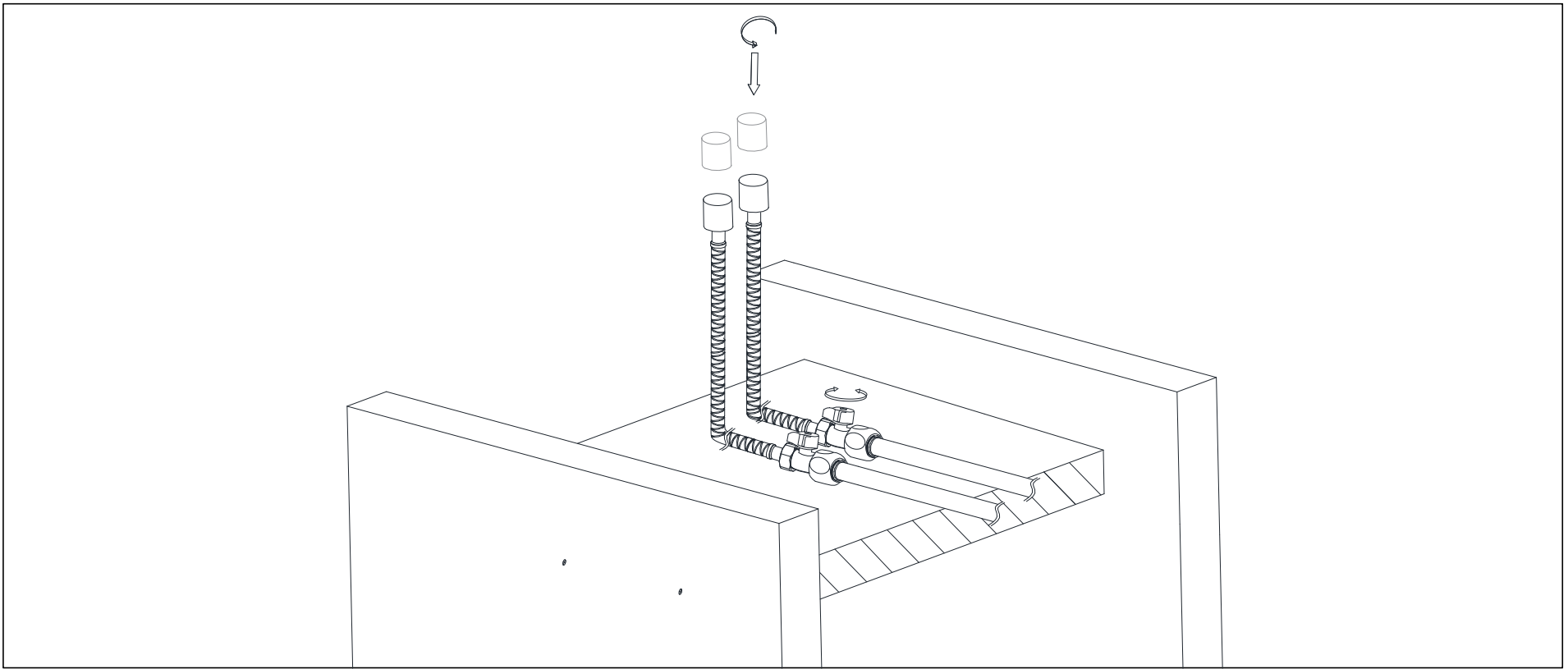
Note: This product does not include G1/2" extension pipes. Customers may provide their own extension pipes as needed.



4.1.6 First, shut off the angle valve and perform a high-pressure leak test to ensure there are no leaks. Then, open the angle valve and allow water to run for 3 to 5 minutes to flush out any debris in the pipes.



4.1.7 After completing the test, close the angle valve and tighten the G1/2 external thread protection cover at the hose connection.

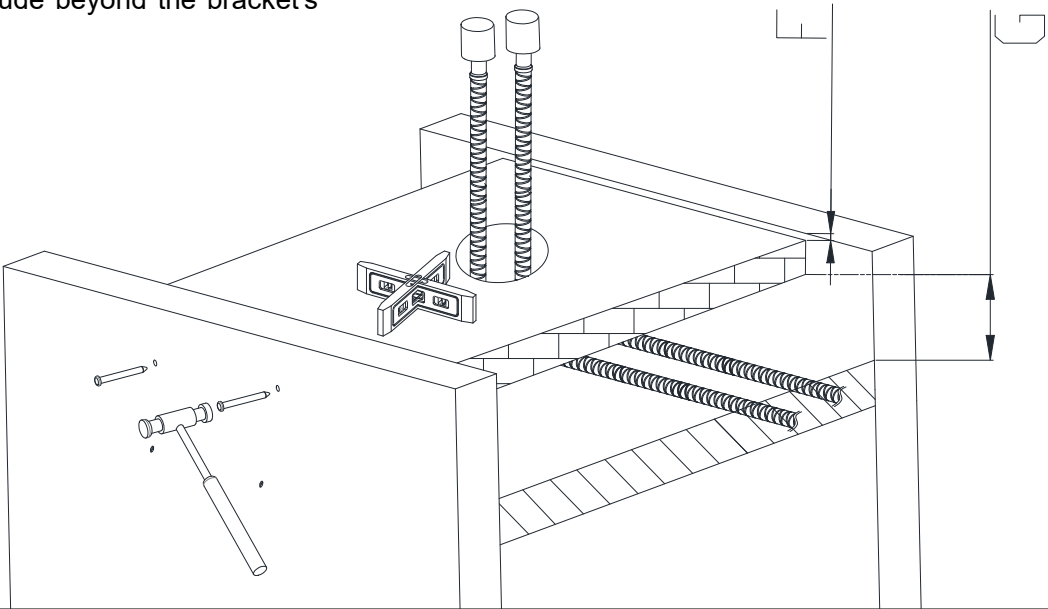


4.1.8 Install the prepared support board horizontally onto the frame using a level to ensure the depth between the support board and the frame surface is “A” . Ensure the top surface of the support board is flush with the frame surface for proper alignment.



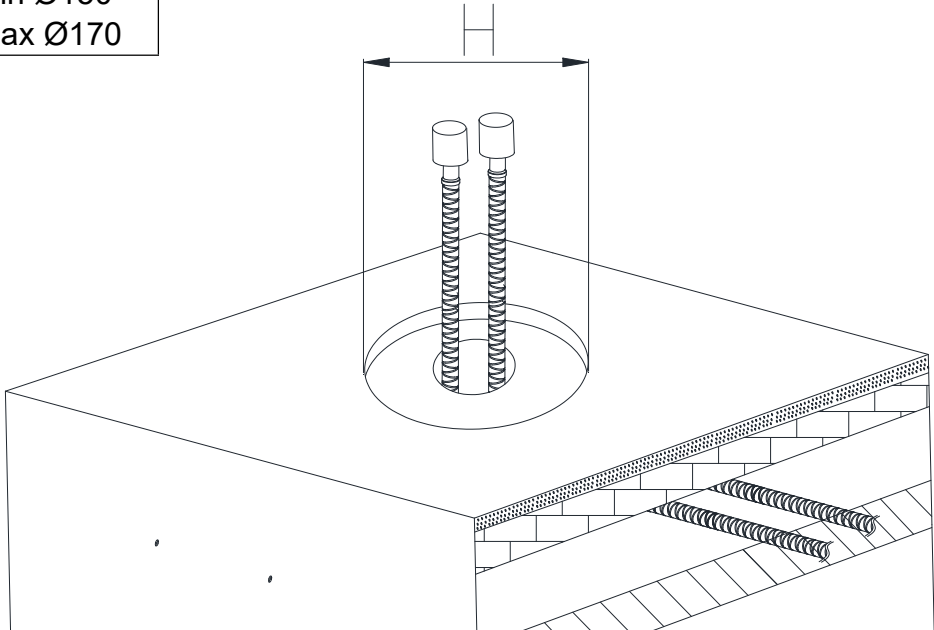
WARNING: The mounting board must remain flush with or recessed from the surface of the mounting bracket. It must not protrude beyond the bracket's surface.

Code	Dimensions - Inch	Dimensions - mm
F	Max 0~3/16"	0~5
G	Min 1-31/32"	50

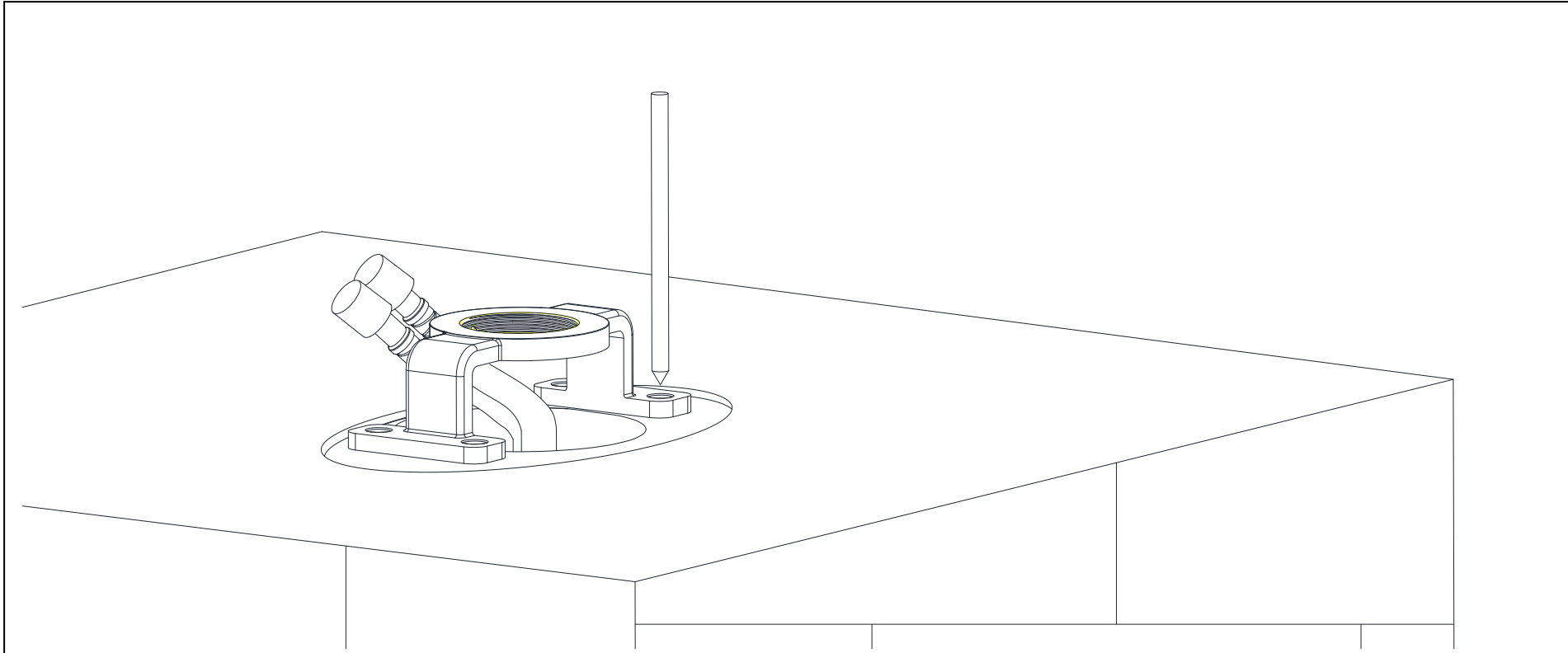


4.1.9 Insert the two extension pipes through the installation holes in the support board, ensuring they extend to the exterior surface of the board. Proceed to complete the final installation of the waterproof flooring. The recommended hole diameter for the waterproof flooring is “H” . Note: Ensure the hole diameter accommodates the maximum outer diameter of the base bracket.

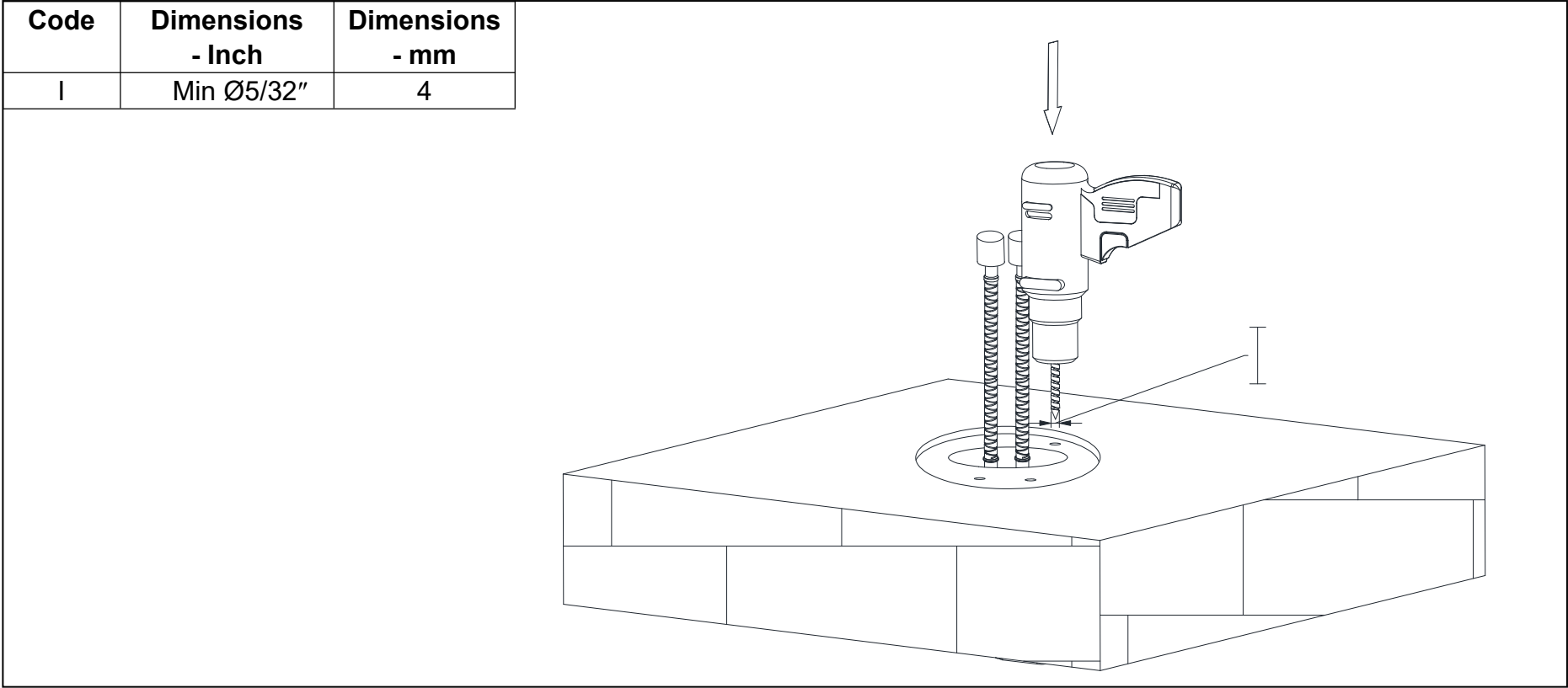
Code	Dimensions - Inch	Dimensions - mm
H	Min Ø5-1/8" Max Ø6-1/2"	Min Ø150 Max Ø170



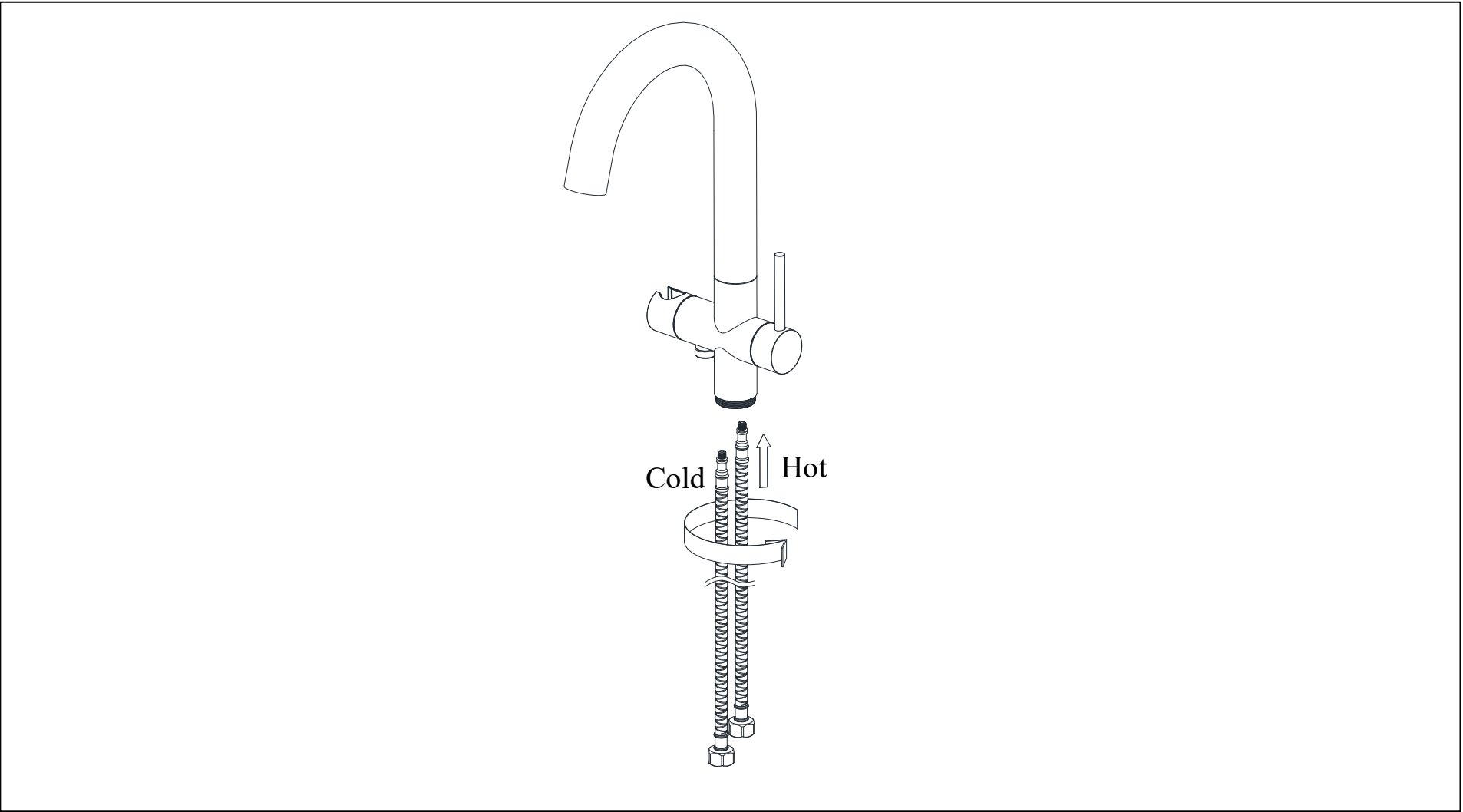
4.2 Mark the positions of the four mounting screw holes on the support board with a pencil.



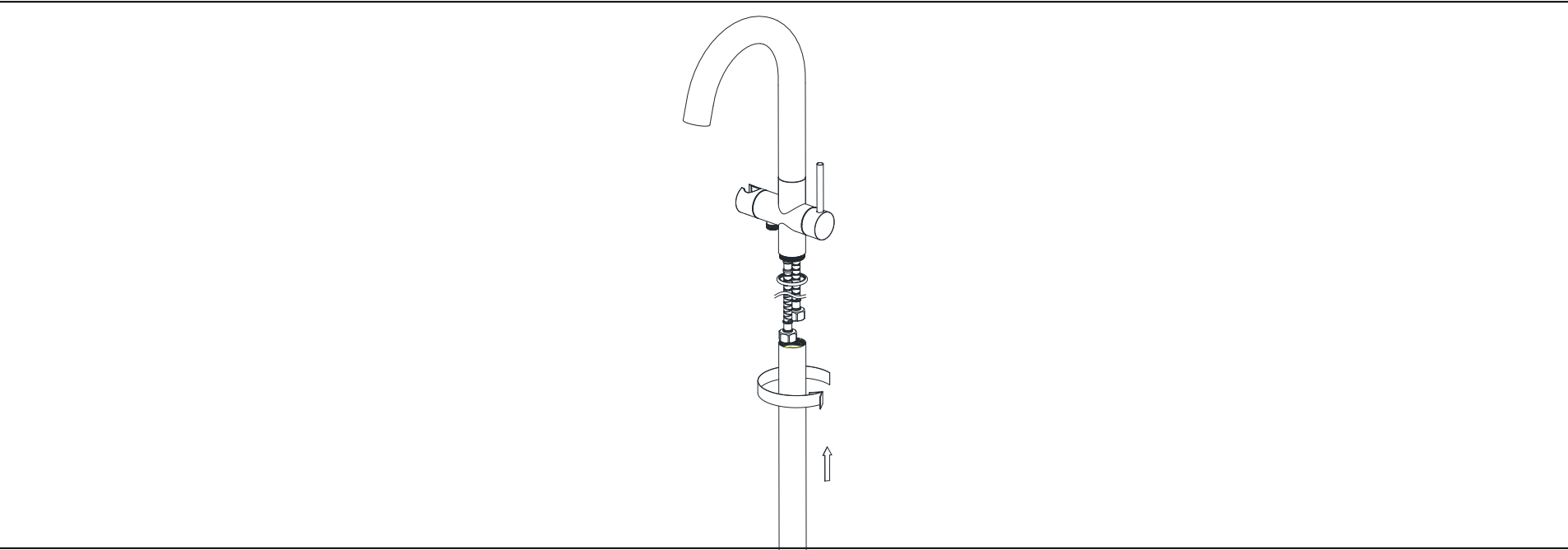
4.3 Use an electric drill to drill four “1” diameter holes at the marked locations.



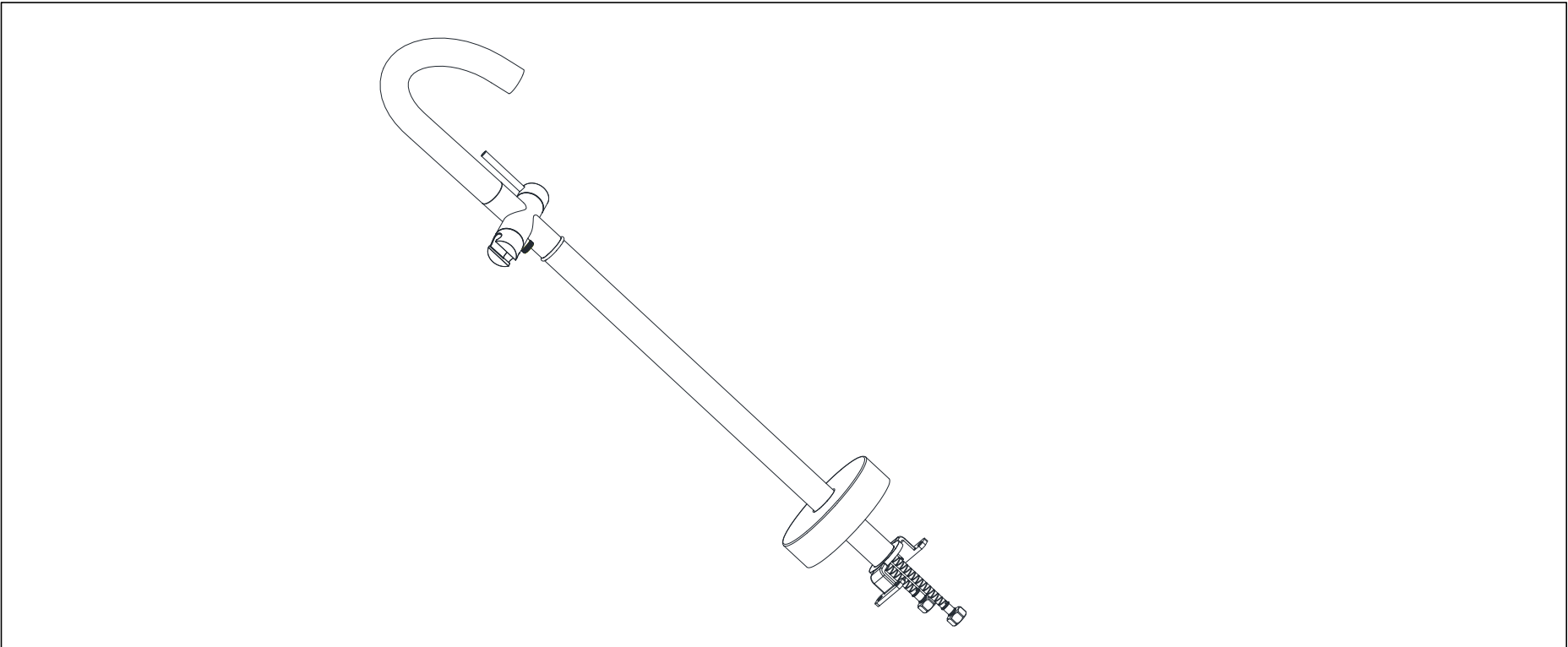
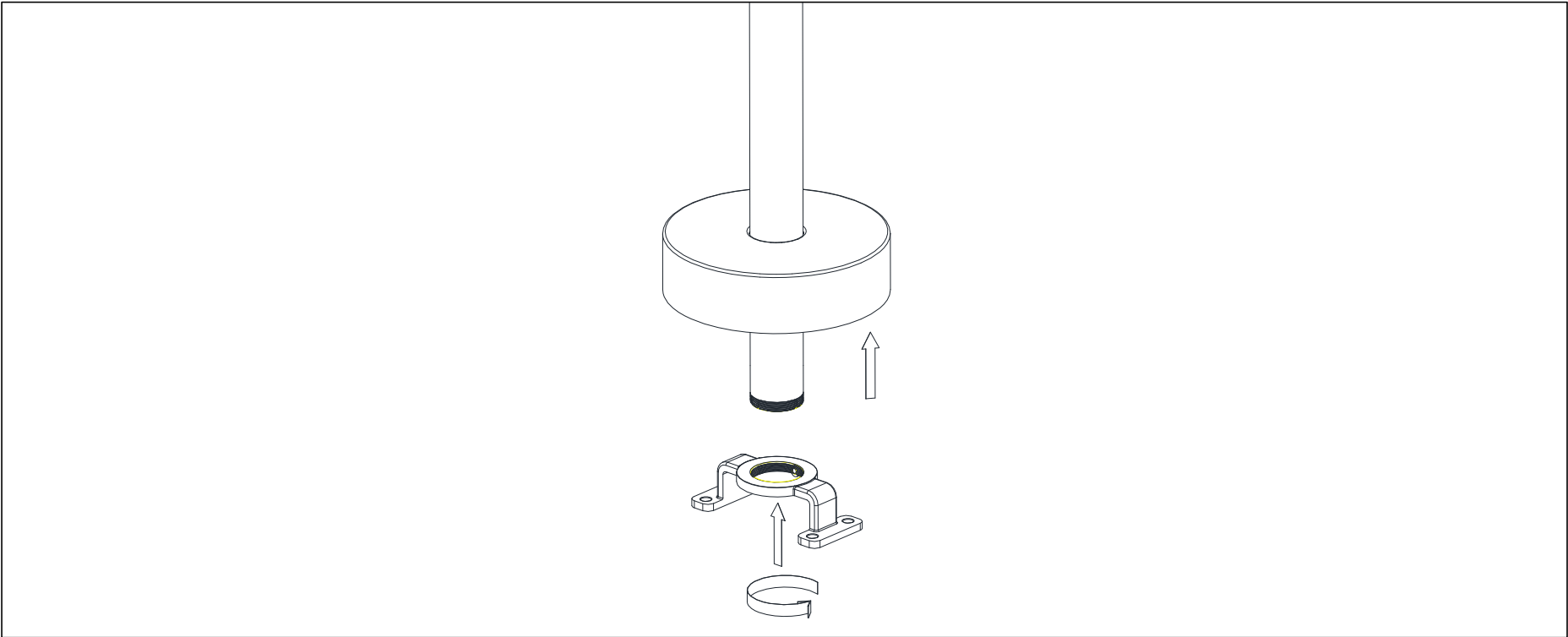
4.4 Install the hot and cold water inlet hoses to the faucet body.



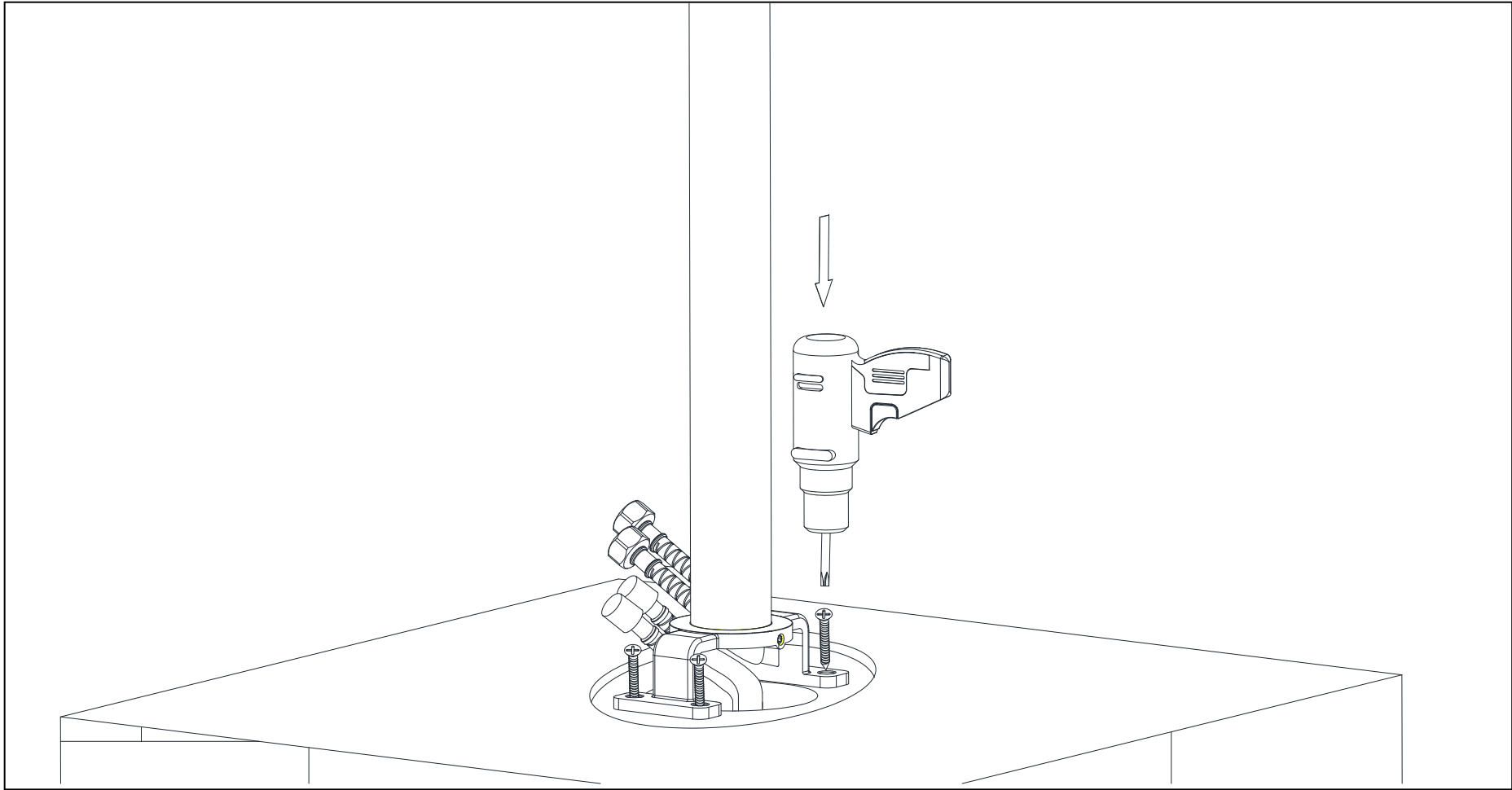
4.5 Install the straight pipe to the faucet body.



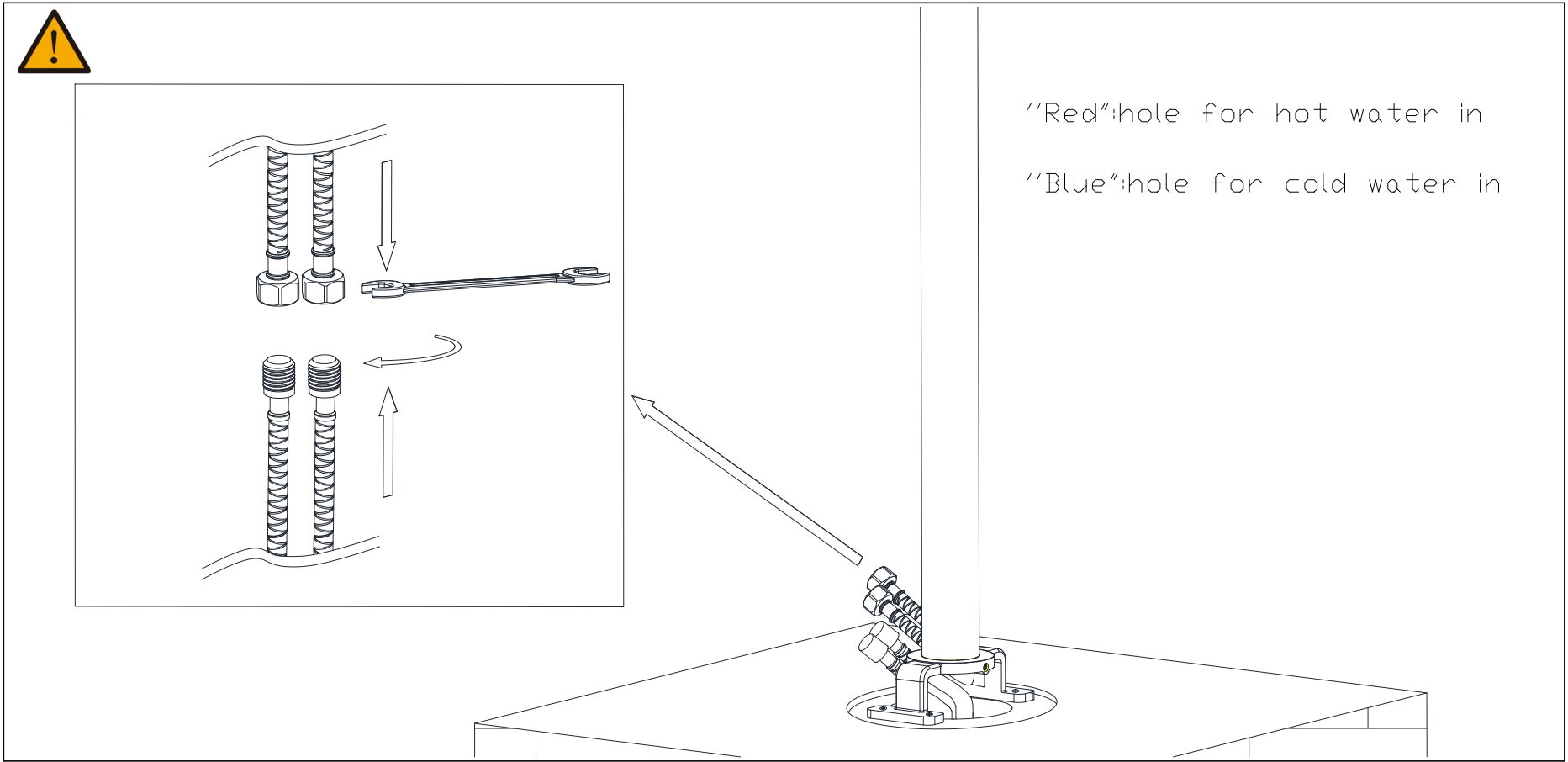
5.1 Slide the flange cover up from below onto the straight pipe, then rotate and tighten the base bracket's threads onto the straight pipe's threads.



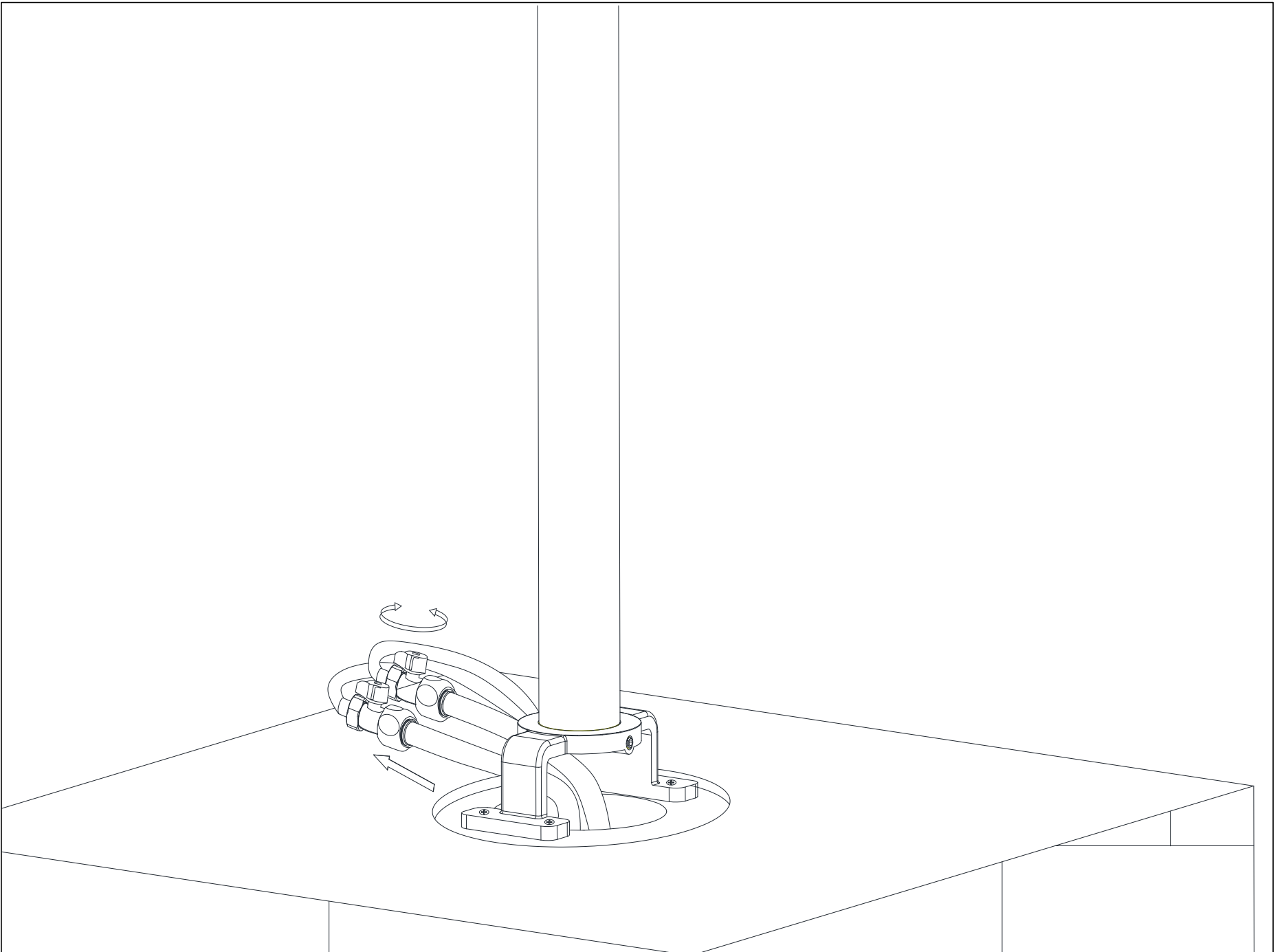
5.1.1 After assembling the faucet, first set aside the hot and cold inlet and outlet hoses of the faucet and the two extension tubes to the side, then put down the entire faucet bracket aligned with the mounting holes, and secure the faucet bracket with screws using an electric drill.



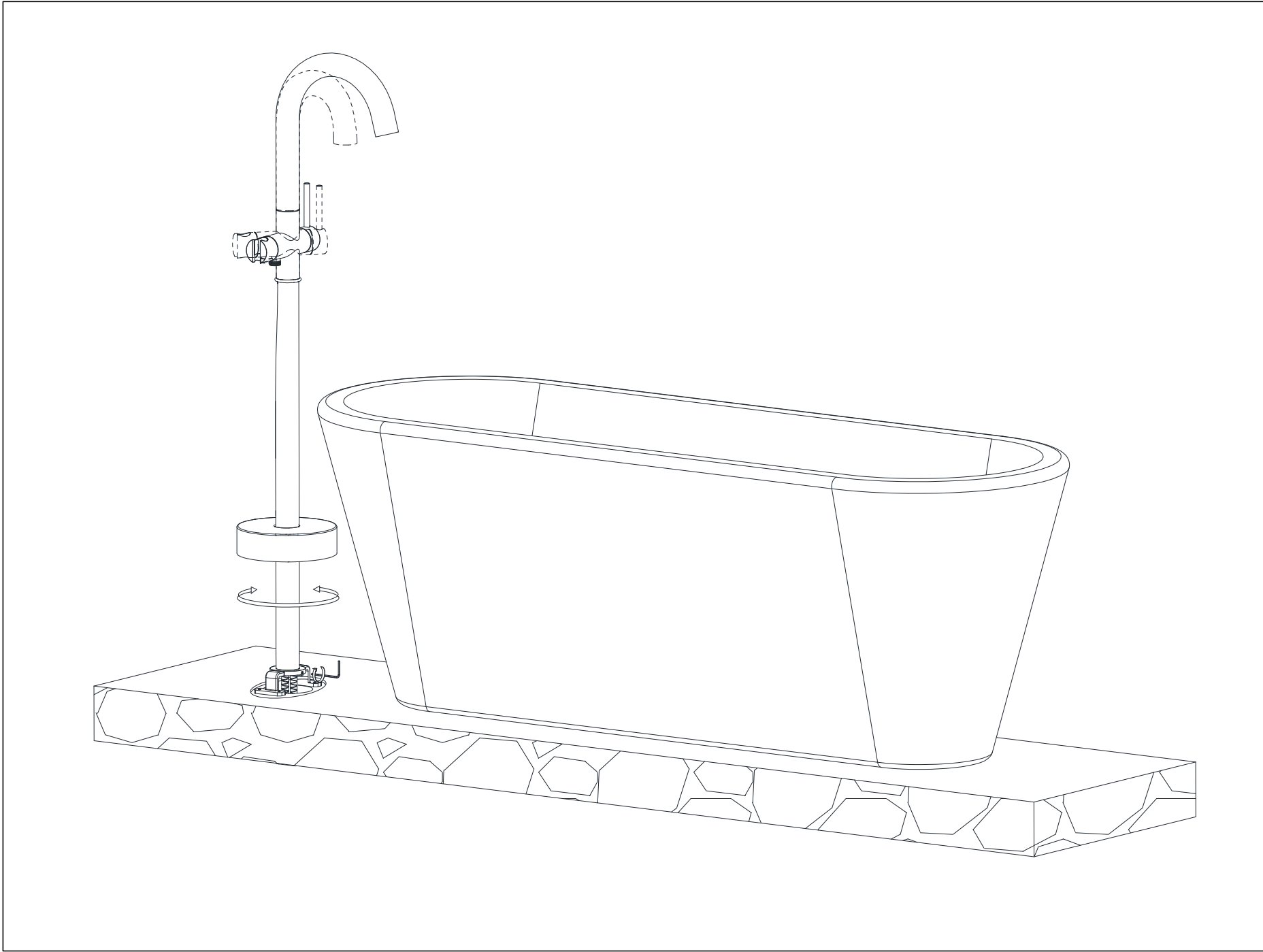
5.2 First, remove the G1/2 external thread protective covers from the two extension tubes. Then, connect the hot and cold water supply hoses to the extension tubes and tighten the nuts with a wrench. (Helpful Tip: For guidance on connecting the water supply hoses and extension tubes, refer to the diagram on the left.) Additionally, the extension tubes are optional, if they are not needed for the actual installation, you can omit this accessory and connect the bathtub faucet's hot and cold water supply hoses directly to the angle valves.



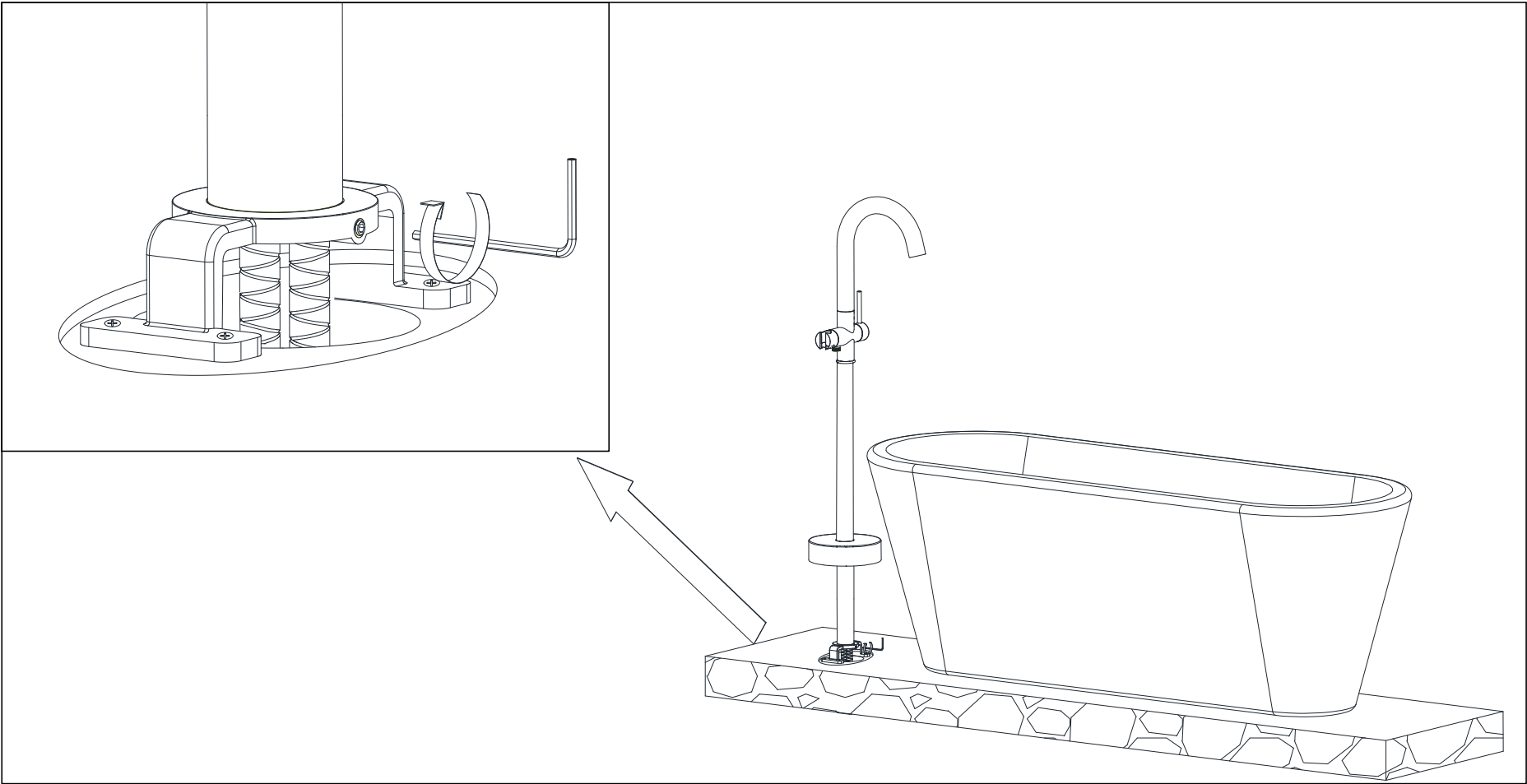
5.3 After making the connections, extend the angle valve, open the angle valve to turn on the water supply, recheck all connections for leaks, then retract the angle valve and supply hoses back into the support broad.



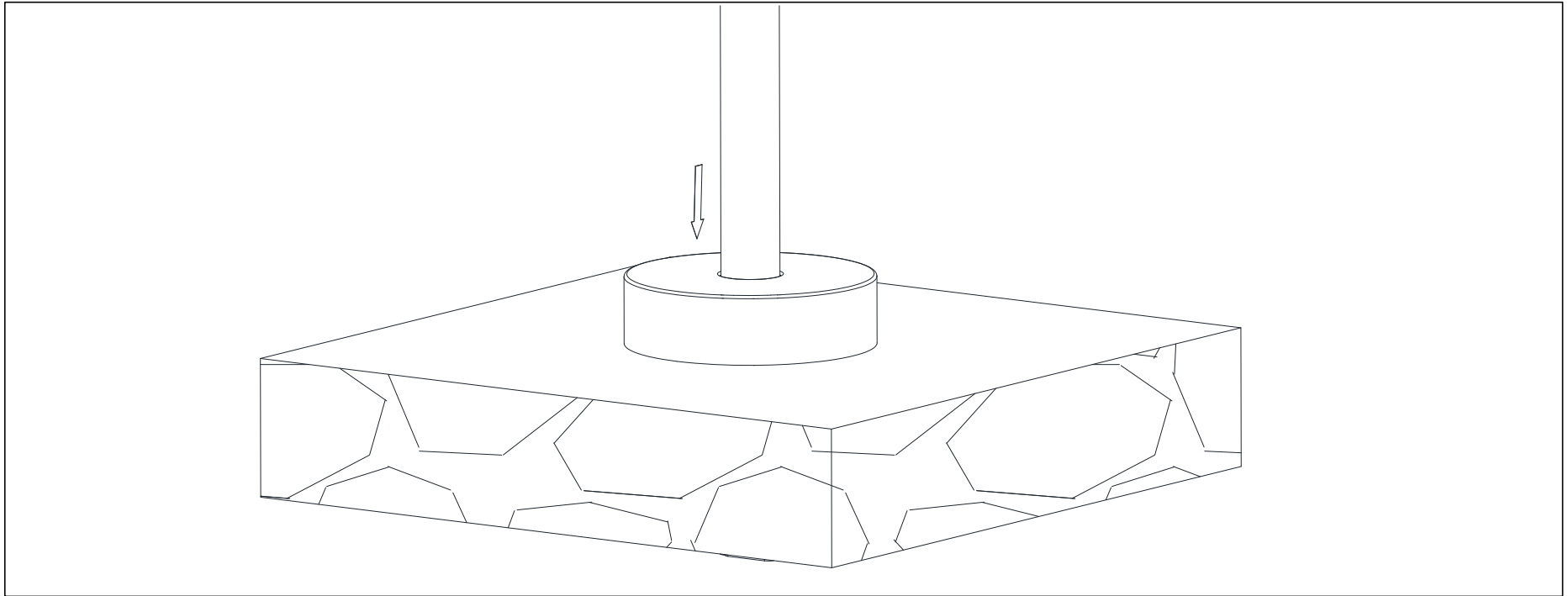
5.4 Based on the position of the bathtub, rotate the support pipe of the bathtub faucet on the base to adjust the bathtub faucet to the correct orientation.



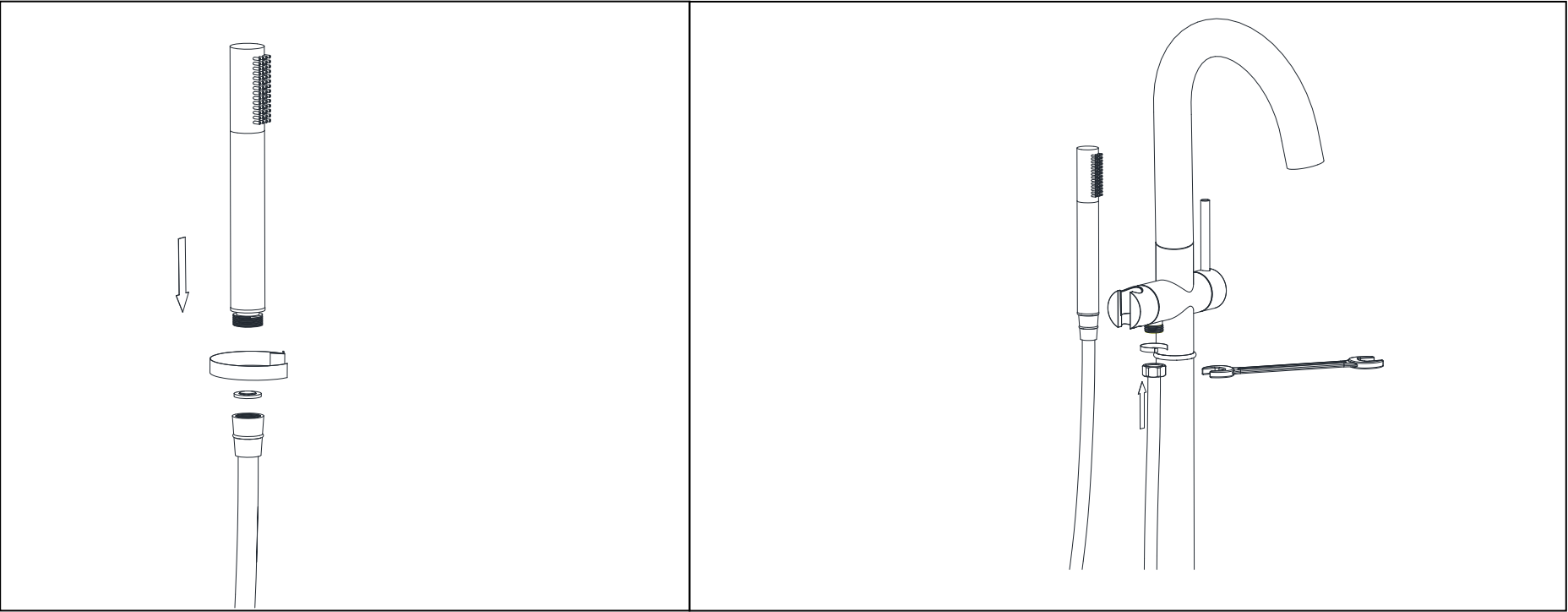
5.5. Use an Allen wrench to tighten the set screws on the base to secure it to the straight tube.



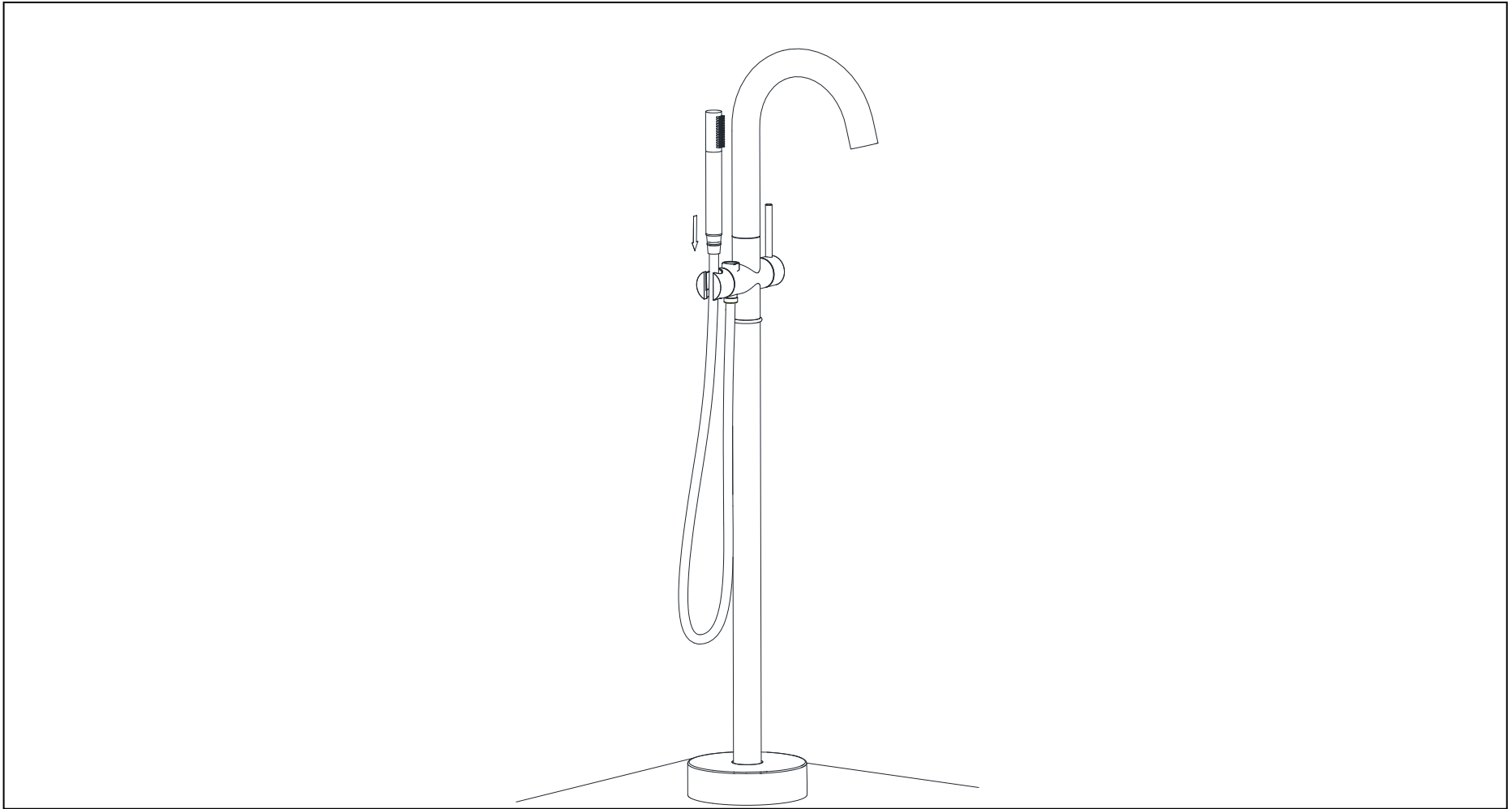
5.6 Push the escutcheon down until it is flush with the floor, and ensure a waterproof seal at the junction between the escutcheon and the floor.



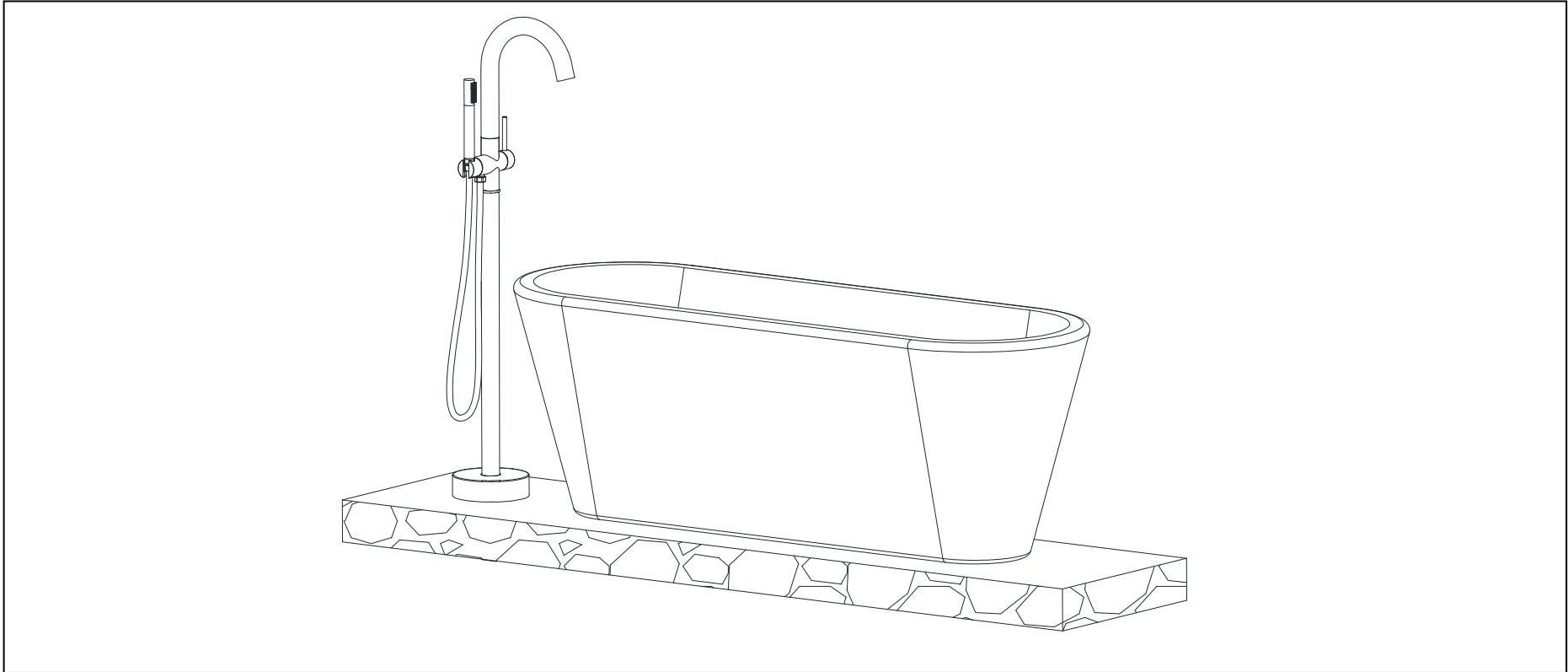
5.7 Connect one end of the shower hose to the handheld shower adapter and the other end to the faucet, then tighten the nuts with a wrench.



5.8 Insert the handheld shower into the holder.

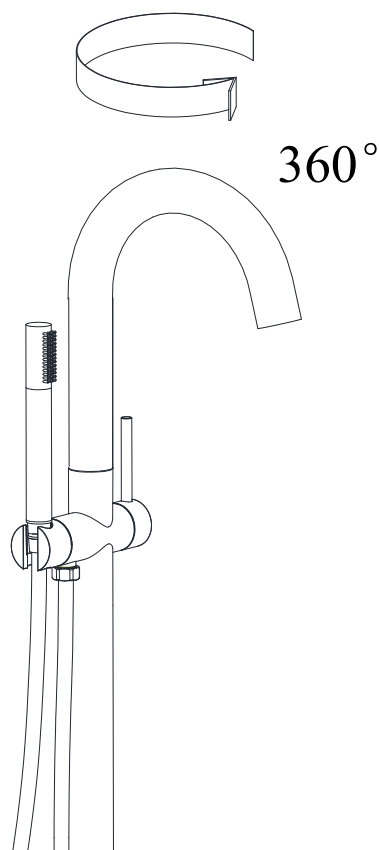


5.9 ASSEMBLE FINISHED

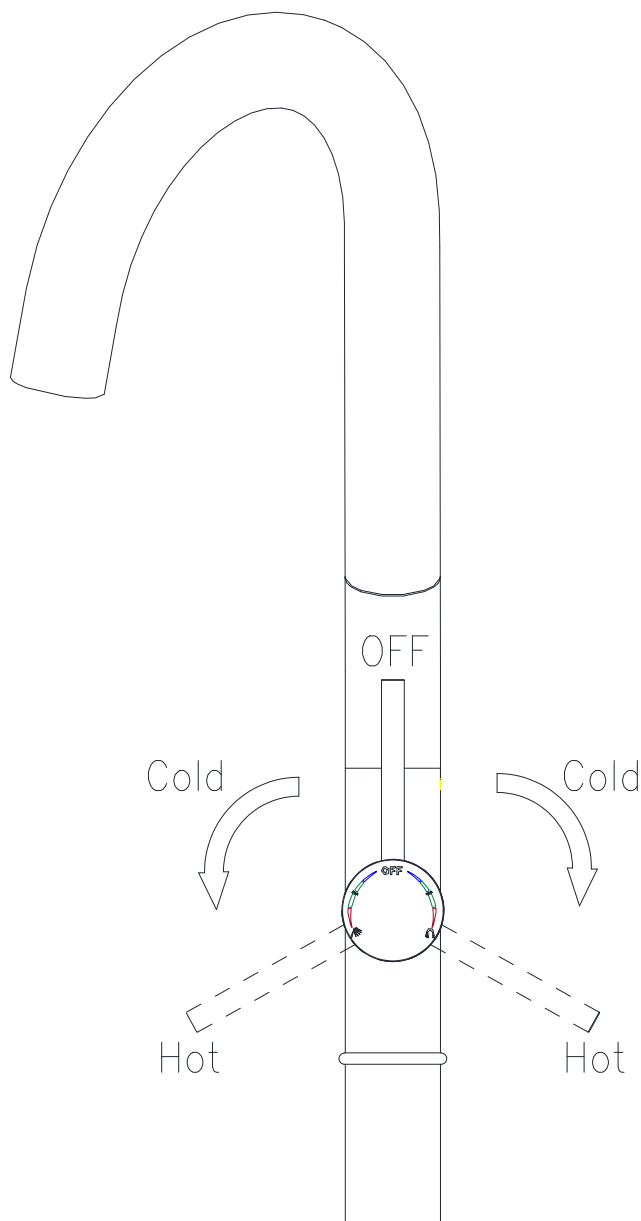


6. Instructions for using the faucet.

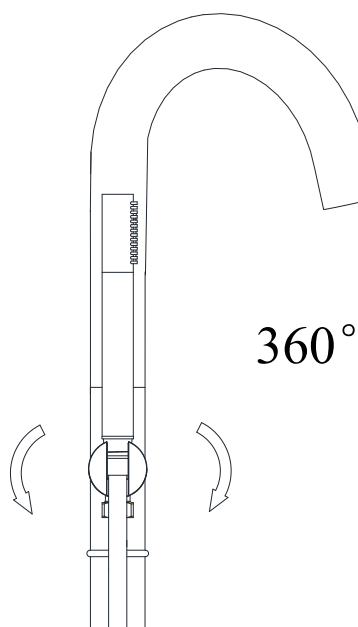
(1) The spout elbow is capable of 360-degree rotation.



(2) Turning the handle downward from the left activates the hand shower, starting with cold water, then mixing to warm water, and finally to hot water, with the flow rate increasing and then decreasing. Turning it downward from the right activates the spout, also starting with cold water, then mixing to warm, and ending with hot water, with the flow rate increasing and then decreasing.



(3) The hand shower holder is capable of 360-degree rotation.



7. INSPECTION

7.1 Turn on hot and cold water supply and check all connection for ensuring no leaking anywhere.

INSTALL FINISH



North America	Asia	Europe
SUMERAIN INTERNATIONAL GROUP INC	HONGKONG SUMERAIN SANITARY INDUSTRY CO., LIMITED	SUMERAIN EUROPE SUPPORT TEAM
Add: 1400 Summit Ave, Suite A, Plano, TX 75074, USA	Add: ROOM 14 2/F WELLBORNE COMMERCIAL CENTRE NO.8 JAVA ROAD NORTH POINT HK	Add: Flottwellstr.15 10785 Berlin, Deutschland
Tel: +1-866-203-0866	Tel: +86-750-2731579	Tel: +49 (0)30/23975898
E-mail: support@sumerain.com	E-mail: support@sumerain.com	E-mail: support@sumerain.com