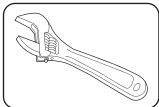
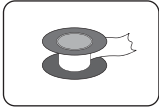


Tools You Will Need



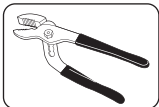
Adjustable Wrench



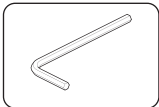
Pipe Tape



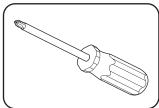
Silicone Caulking



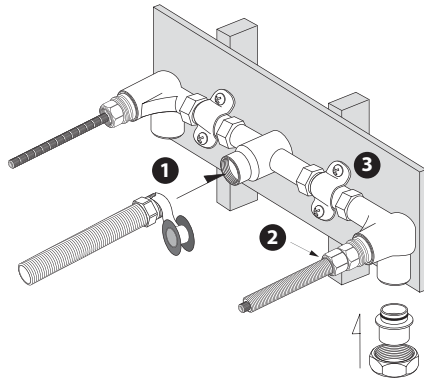
Groove joint plier



Allen Wrench

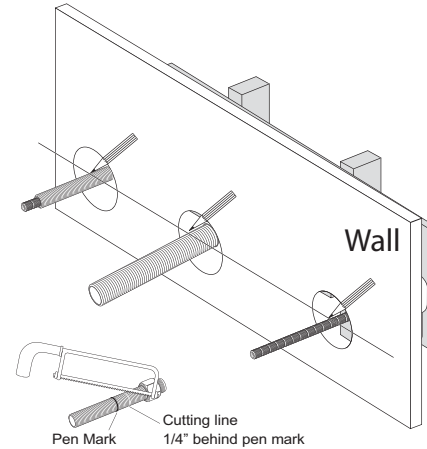


Phillips Screwdriver



Install the valve body:

- 1) Before installing the valve body into the wall, first, install the spout nipple into the center connection of the valve body. Use Teflon seal tape when installing.
- 2) Next, Calculate properly the dimension of the finished wall. When the valve is installed the spout nipple must be recessed 1/4" behind the finished wall. The tensioning nut of the cartridge **can not** exceed the finished wall surface. Make sure that details of the installation & application are clear before beginning installation, and install the valve body at the proper depth in the wall. HB will not be responsible for installation issues due to negligence. For any questions please see specification on front side of installations and/or call HB technical support.
- 3) After identifying the proper depth at which the valve should be installed. Block the valve body with a piece of wood and use brackets around the small portion of the valve to hold it in place.
- 4) After securing the valve body in the wall the remove the compression fittings (Optional) from the inlets of both the hot and cold sides of the valve body. These fitting have a female 1/2" NPT connection for the water supply lines to be installed. Install the water supply as needed using Teflon seal tape on all connection and re-connection the compression fitting to the valve body. It may be possible to connect the water supply line with out removing the fittings from the valve body.



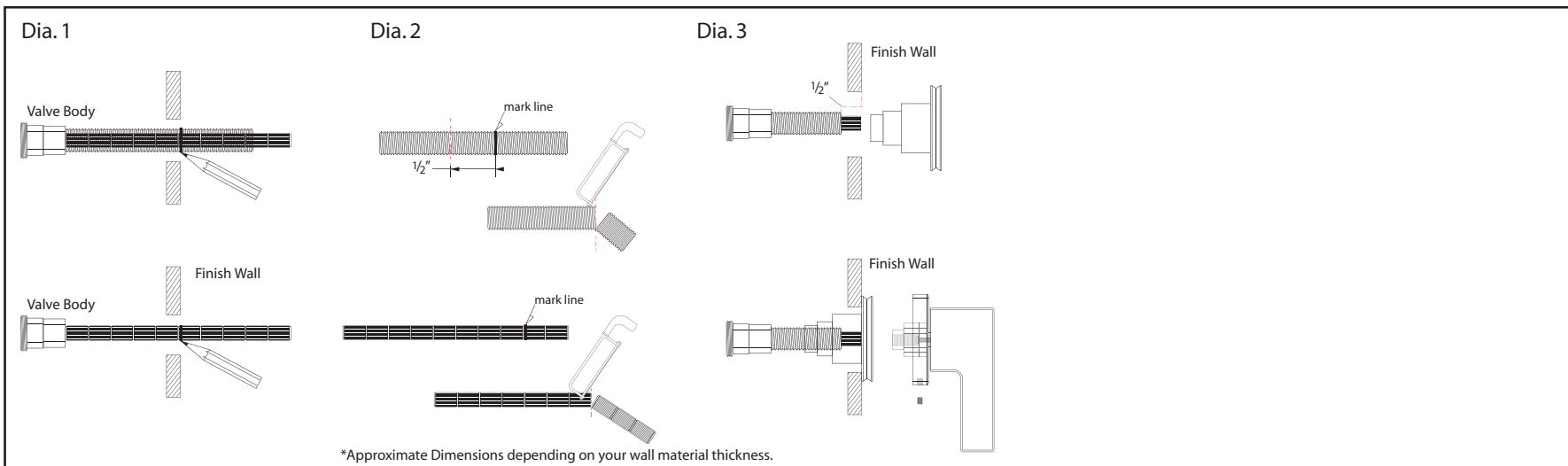
1. Once the finish wall is up and the valve is in place, use a marker and label the threaded stem flush at the finish wall. Remove the threaded stem.
2. Then use the marker to label the cartridge stem flushed against the finish wall.
4. Use the same marker and label the point on the threaded spout nipple with the finish wall.
2. Determine the exact location of the finish wall before cutting. At the marked points on the stems cut the appropriate length.
3. Cut the spout nipple approximately 1/4" behind the finish wall.
4. The cartridge stems must be flush with the finished wall.
5. The long threaded stem must be 1/2" behind the finish wall.
6. Tighten the long threaded stems back onto the valve. (Note: the threaded stem must sit 1/2" behind the finish wall) You must use a long socket wrench to tighten the stems.
7. Now place the threaded spout nipple back into the valve body. (Note: the spout nipple must be 1/4" behind the finish wall. You must use a long socket wrench to tighten the stems.

Install handle trims:

1. Screw the handle adaptor onto the long threaded stem. Make sure to place the adaptor washer on before the handle adaptor. The adaptor must sit flush against the finish wall.
2. Now place the cartridge adaptor onto the cartridge stem.
3. Place handle and escutcheon over the handle adaptor so that it sits flush against the wall, make sure that the set screw on the escutcheon is facing down, and that the handle tip must be placed horizontal in the off position. Tighten the set screw locking the escutcheon base in place.

Install the spout:

1. Use the allen wrench and loosen the spout base ring.
2. Hand tighten the spout the spout threaded nipple.
3. Push the spout base ring all the way back so that it sits flush against the finish wall, and then use the allen wrench and tighten the allen screws on the bottom of the spout.



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