

Kräus[®]

INSTALLATION MANUAL

All-In-One Kitchen Set

KCA-1102

Congratulations on the purchase of your new Kraus plumbing fixture!

Please keep the box and packaging materials until your product is completely installed. If you have any questions, require technical assistance or have any problems with your product:



DO NOT RETURN TO STORE

**Please contact our Customer Service Team
1-800-775-0703 / customerservice@kraususa.com**

Have the model number available and retain a copy of your receipt with purchase date for reference.

If for any reason this product does not meet your expectations, please be sure to repack this product in the original box and packaging material to avoid damage during transit.

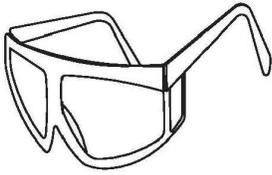
Make sure to check off that you have all of the following items

- Kitchen Sink - KHT400-33
- Kitchen Faucet - KPF-1610SS
- Cut-Out Template
- Undermounting Hardware
- Top Mount Hardware
- Bottom Grid - KBG-T400-33
- Drain - ST-1

Prior to Installation:

- Make sure you have all necessary parts by checking the diagram and parts list. If any part is missing or damaged, please contact Kraus Customer Service at 800-775-0703 for a replacement.
- Turn off the cold and hot water at the angle stops and turn on the old faucet to release and built up pressure
- Flush angle stops to release any debris prior to installation
- Pre-drilled hole size requirement: 1 3/8" (min) - 1 1/2" (max)
- Max countertop thickness: 1 3/4"

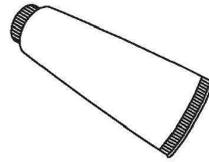
Tools you will need:



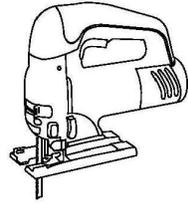
Safety Goggles



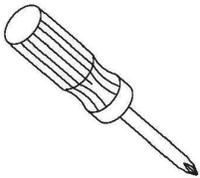
Drill



Silicone Adhesive



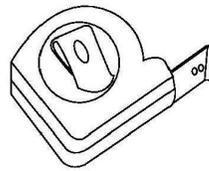
Jig Saw



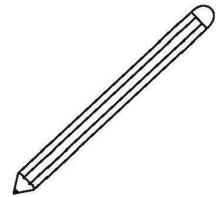
Phillips Screwdriver



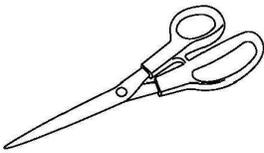
Putty Knife



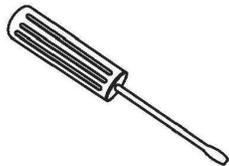
Tape Measure



Pencil



Scissors

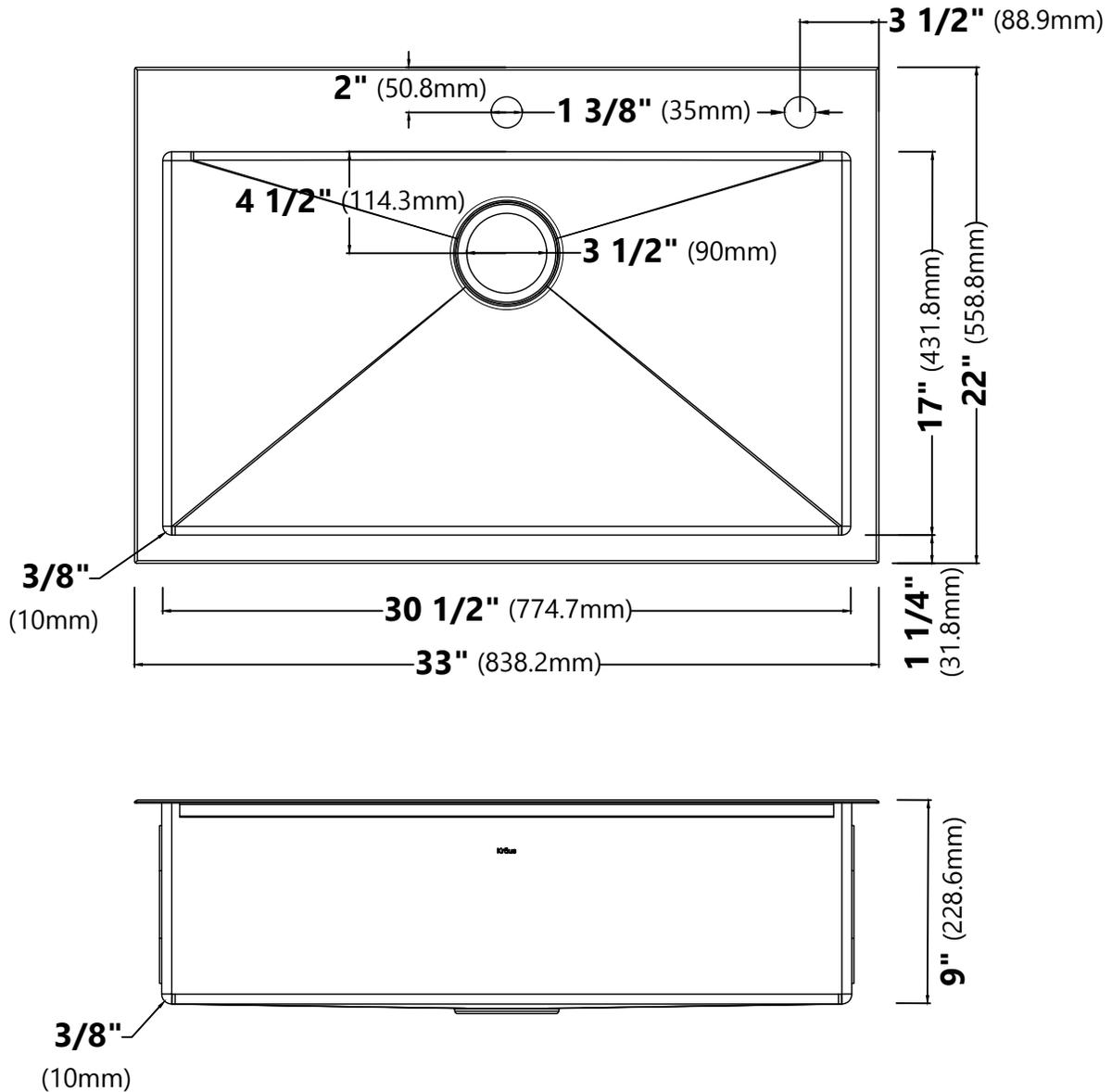


Screwdriver

NOTE: Specialized tools may be necessary to install Kraus Stainless Steel Kitchen sinks with countertop materials other than wood, marble or granite.

Kitchen Sink Installation

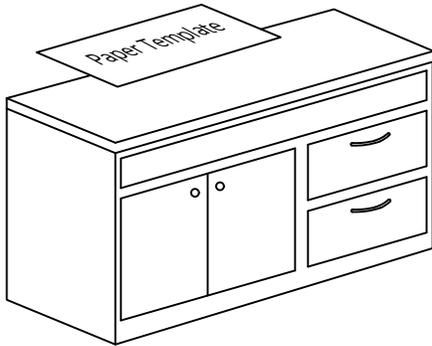
Dimensions:



Model #: KHT400-33
Sink Dimensions: 33" x 22" x 9"
Min Cabinet Size: 36"
Matching Grid: KBG-T400-33
Drain Model #: ST-1

Topmount Installation

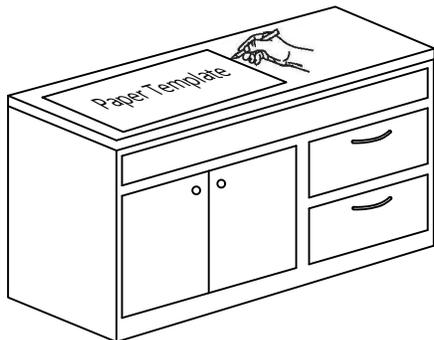
Step 1. Position Template



- Check the cut-out template against the actual sink to ensure a proper sized cut-out.
- Place the cut-out template in the desired location on the countertop.

NOTE: Make sure clearance is suitable for backsplash, faucet and plumbing for the sink.

Step 2. Trace Template

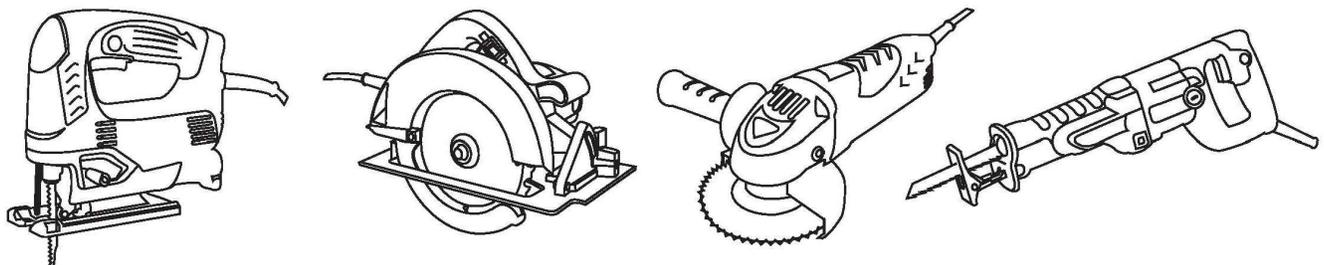
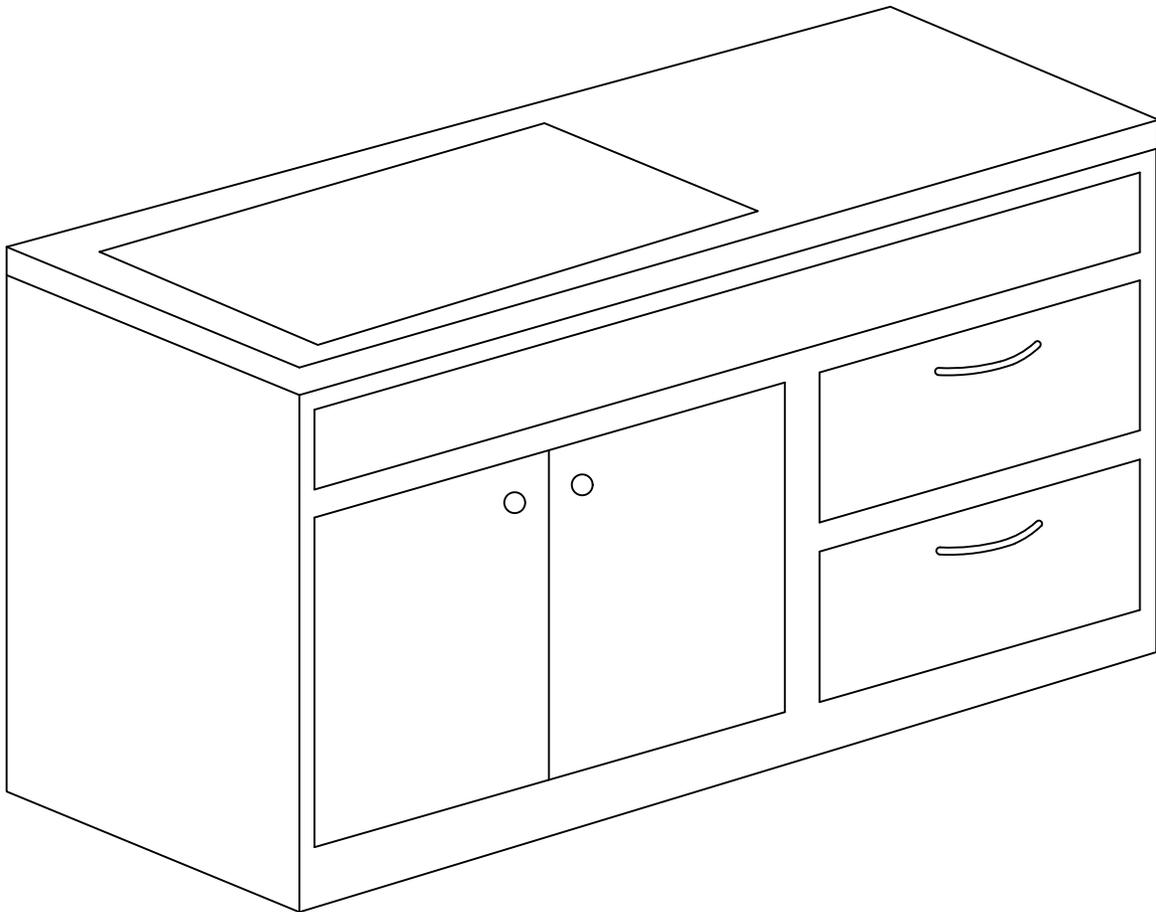


- Trace template on countertop with a pencil.

Step 3. Cut Countertop

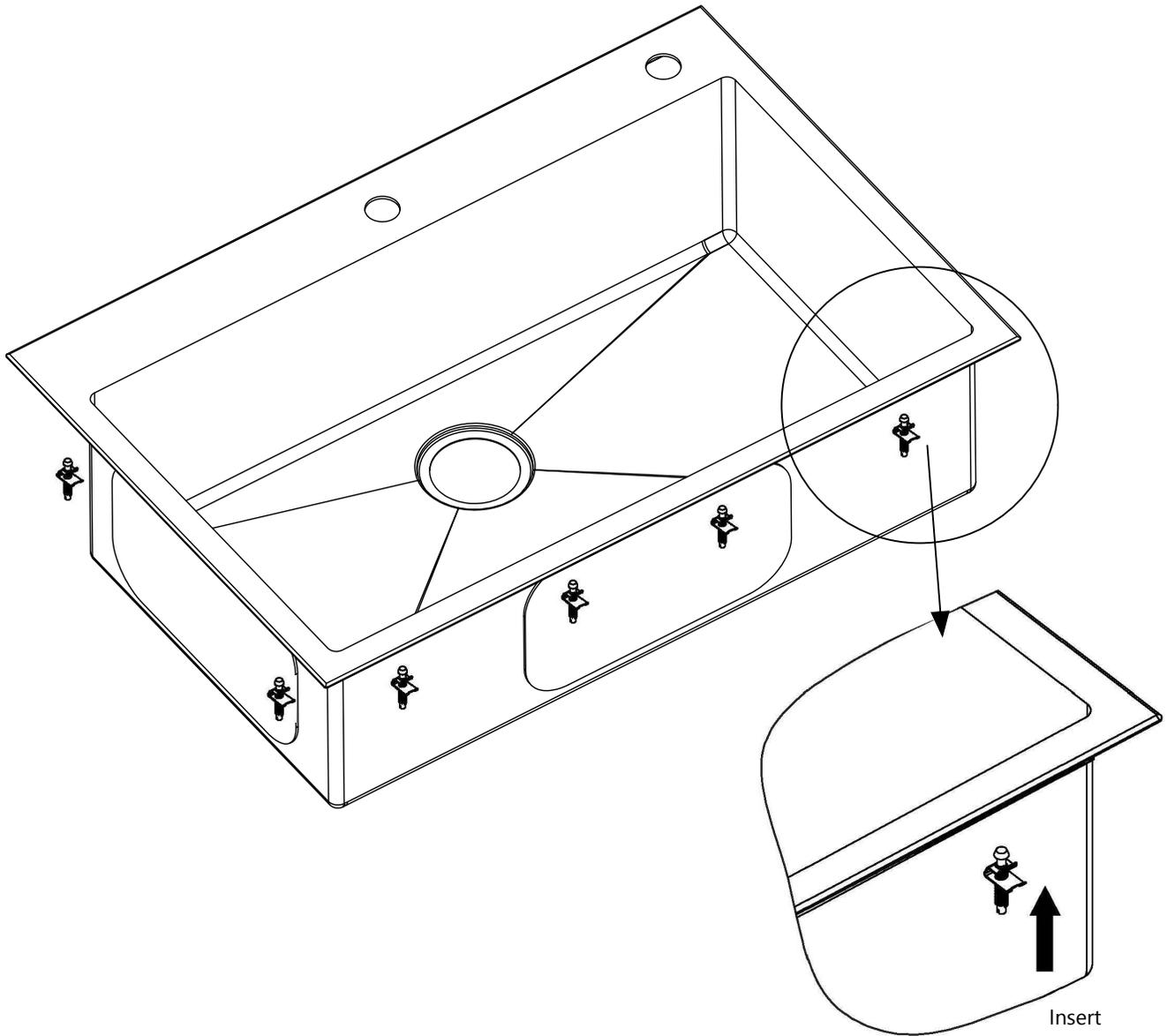
- Cut the opening in the countertop by carefully following the traced line.

NOTE: Please use the appropriate saw that best fits your countertop material.



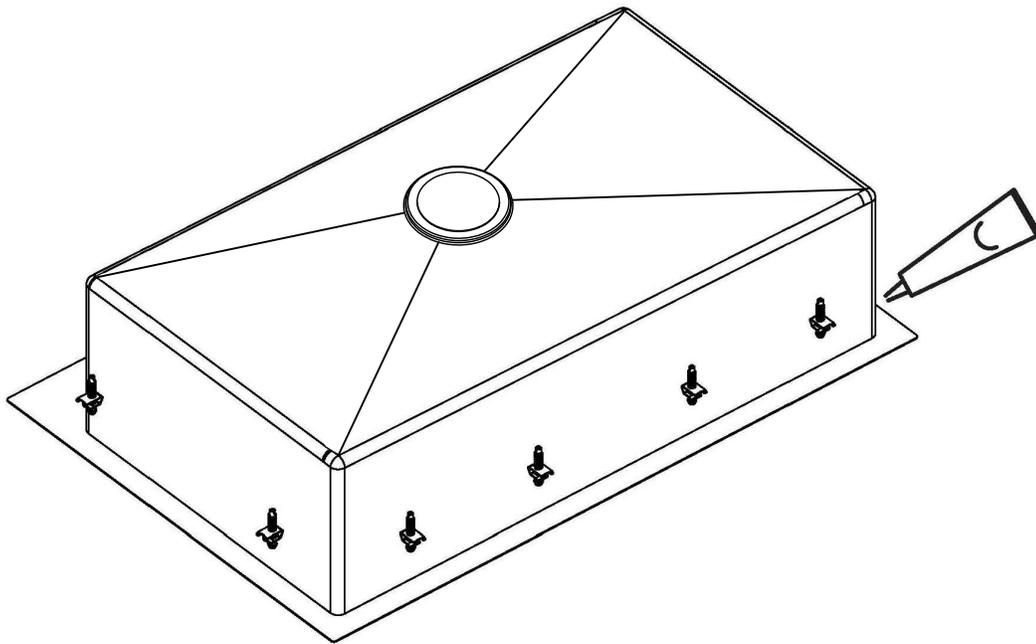
Step 4. Attach Mounting Hardware

- Attach mounting hardware to the prongs protruding from the underside of the sink rim.
- Make sure the hooked side of the mounting clip is facing away from the sink.



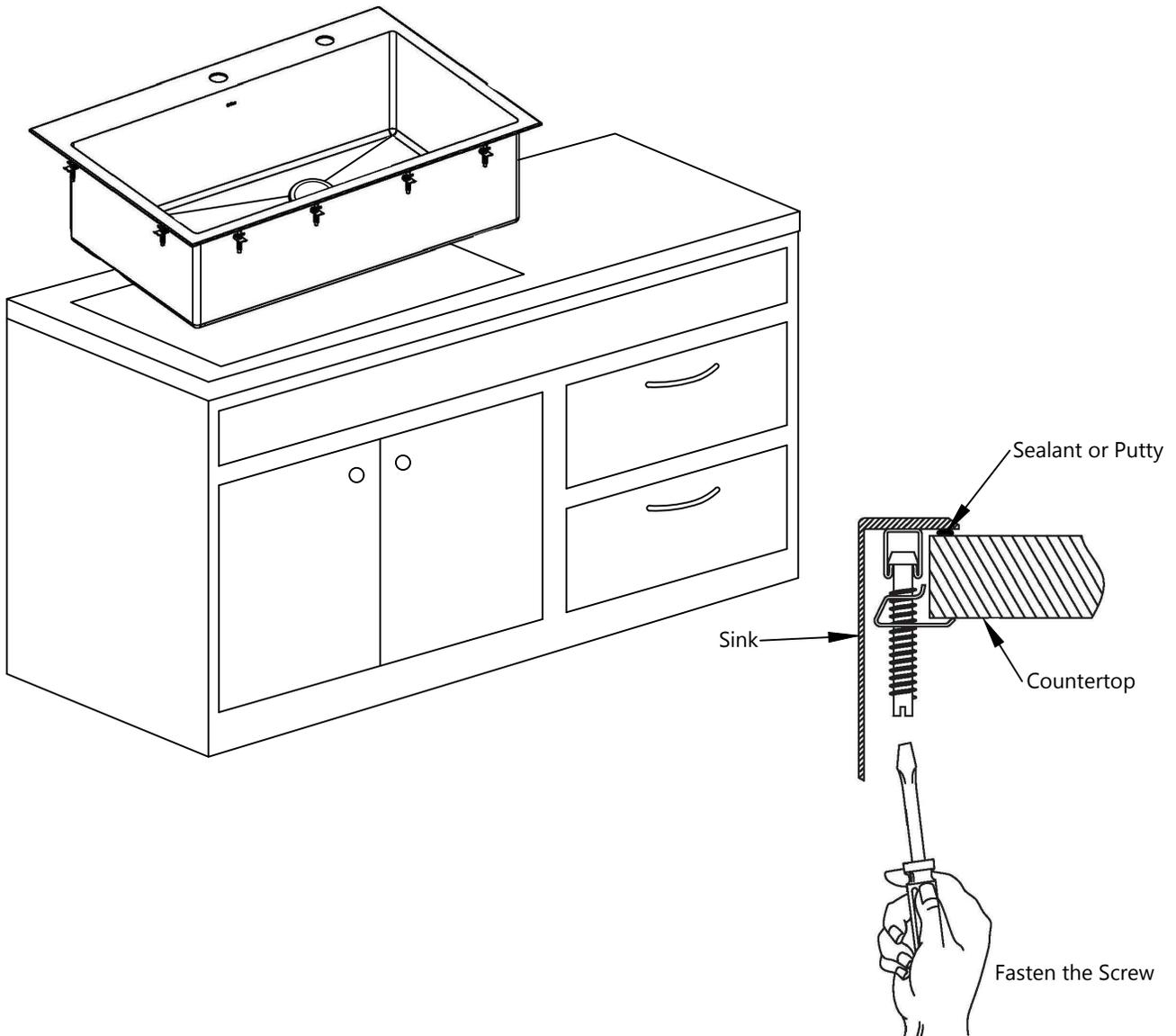
Step 5. Apply Silicone or Plumber's Putty

- Clean and dry the surface around the opening of the sink.
- Turn the unit upside down to apply sealant. Apply silicone-based sealant (not included) underneath the edge of the sink.



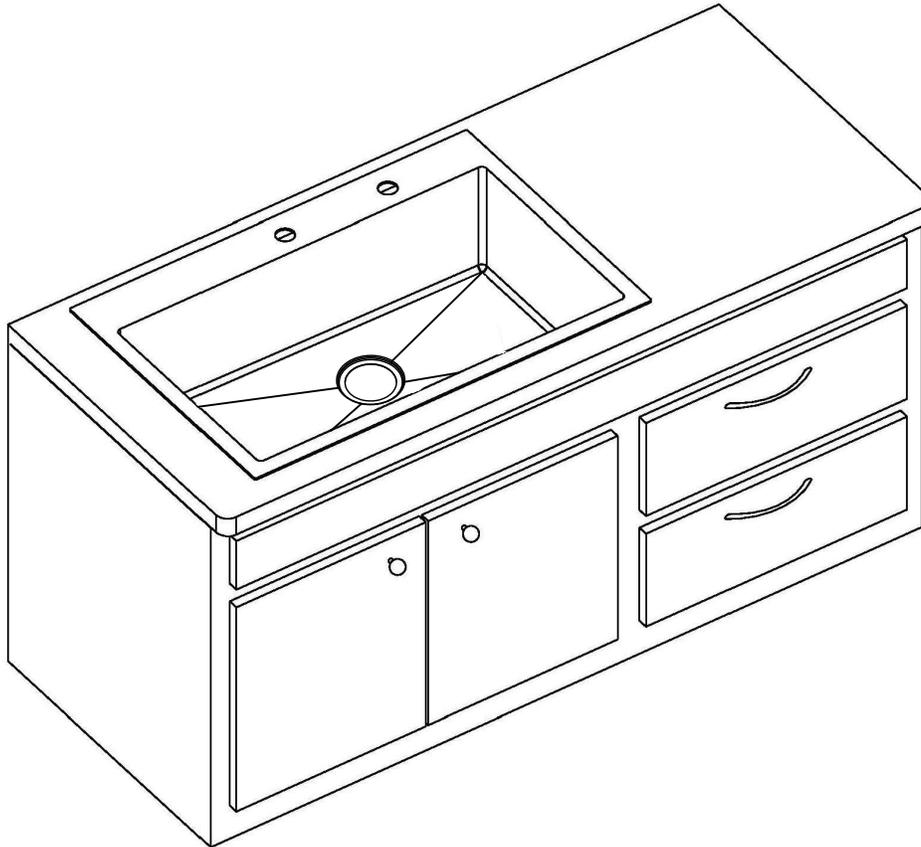
Step 6. Secure Sink to Countertop

- Insert the sink into the opening, check the alignment of the sink to the cutout in the countertop and press firmly.
- Tighten the screws in the front of the sink, followed by the ones in the back and on the sides of the sink.
- Remove excess silicone-based sealant.
- Allow sealant to set for 30-60 minutes.



Step 7. Install Plumbing Fixtures

- Connect drain to sink. Connect trap to drain. Connect water supply connections to faucet according to manufacturer's instructions.
- Run water into sink and check for leaks.

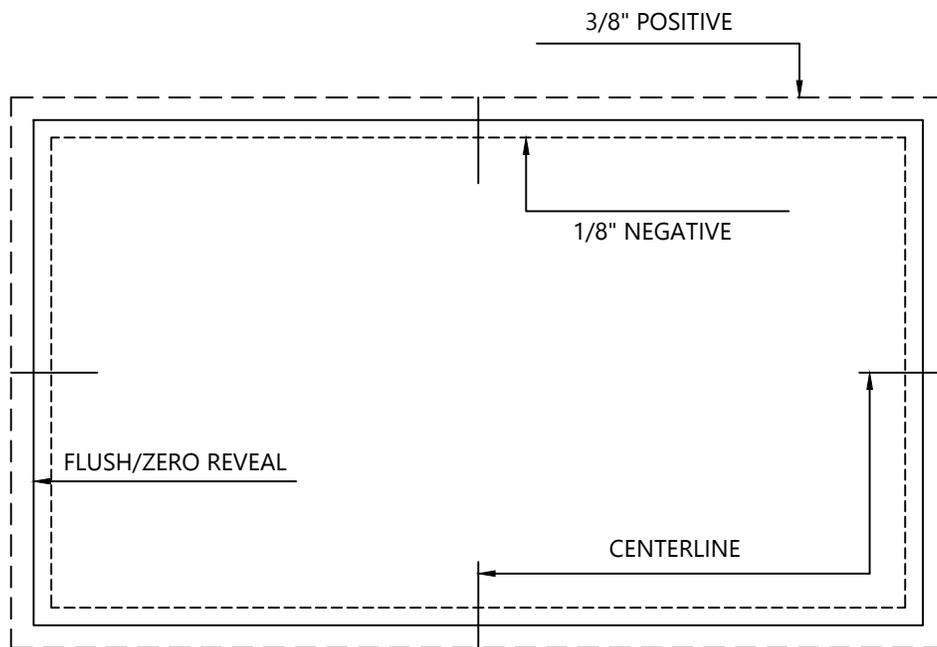


Undermount Installation

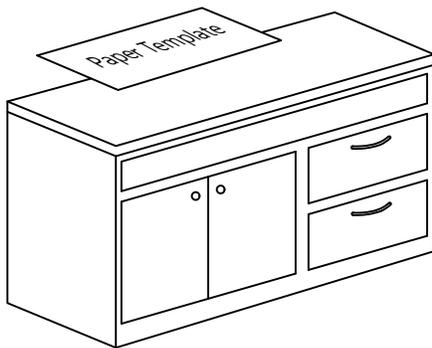
Step 1. Determine reveal type

- Use scissors to cut along the line of the paper template for your desired reveal type (Negative, Positive, or Flush Reveal)

KRAUS Recommended Installation Type



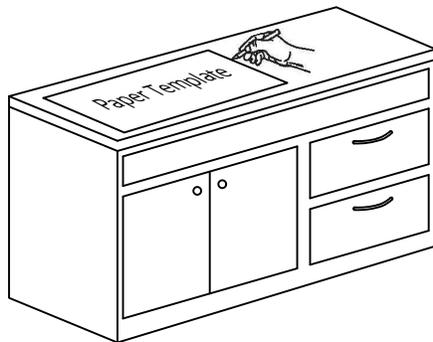
Step 2. Position template



- Check the cut-out template against the actual sink to ensure a proper sized cut-out.
- Place the cut-out template in the desired location on the countertop.

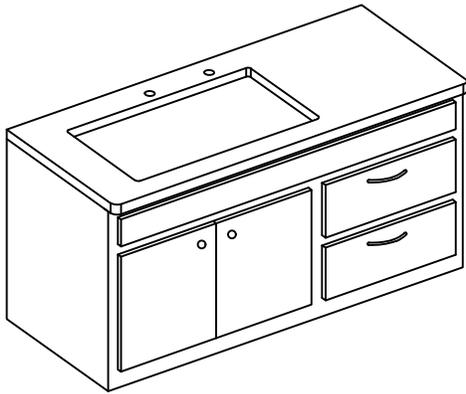
NOTE: Make sure clearance is suitable for backsplash, faucet and plumbing for the sink.

Step 3. Trace Template



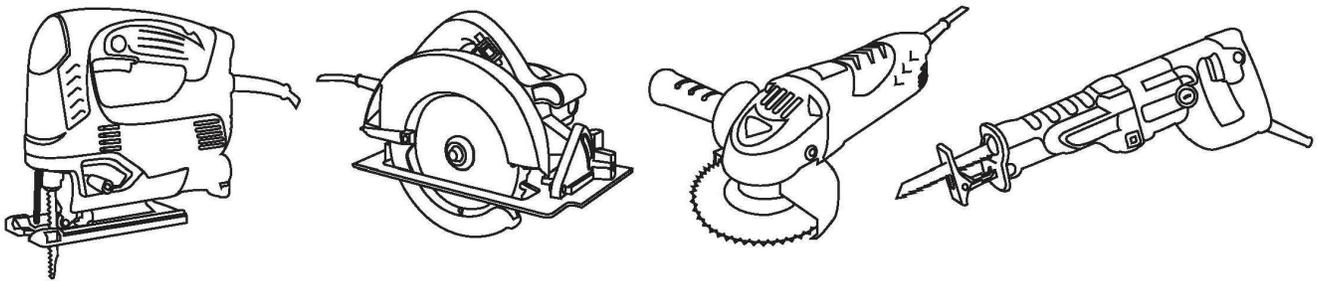
- Trace template on countertop with a pencil.

Step 4. Cut countertop

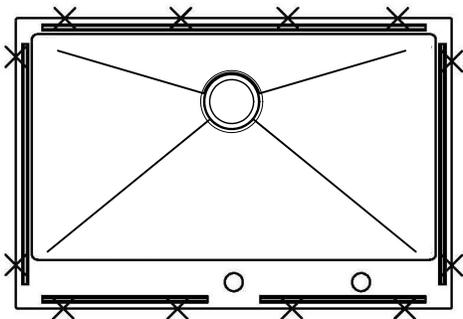


- Cut the opening in the countertop by carefully following the traced line.

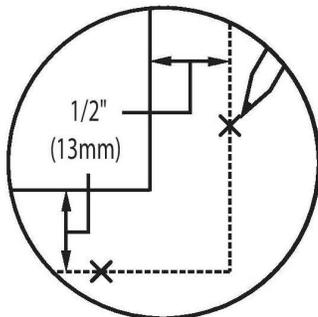
NOTE: Please use the appropriate saw that best fits your countertop material.



Step 5. Set up mounting brackets

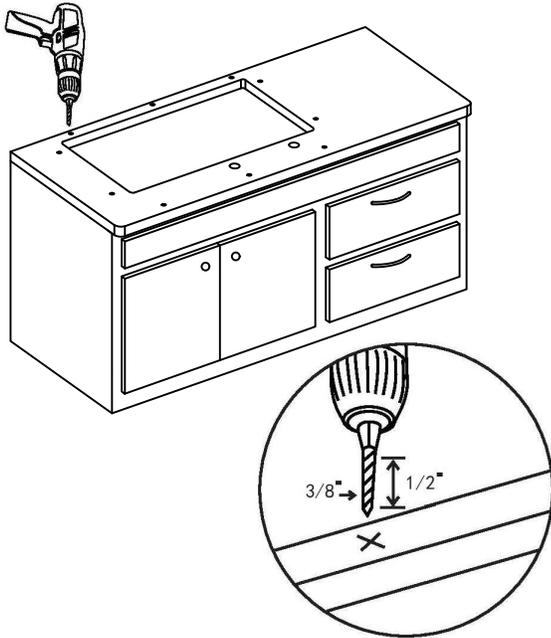


- Turn countertop over and align sink with countertop. Decide location for mounting brackets.
- Mounting holes should be 1/2" from edge of sink.



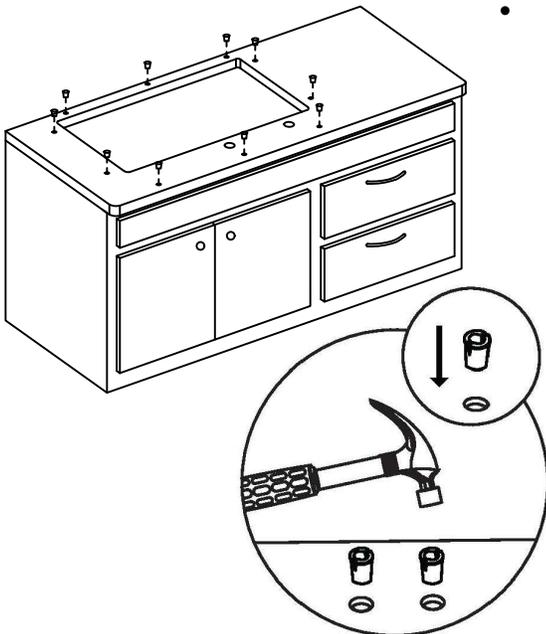
Step 6. Drill hole in countertop

- Drill 3/8" diameter x 1/2" deep hole in the countertop.



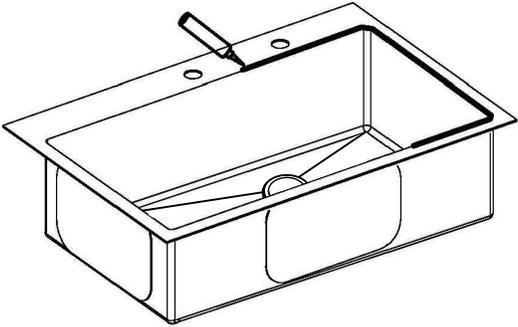
Step 7. Install anchors

- Insert anchors into drilled holes and lightly tap with a hammer until flush.



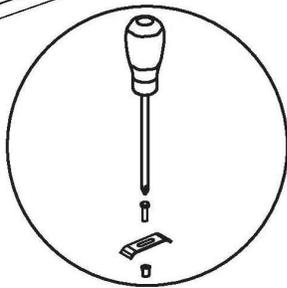
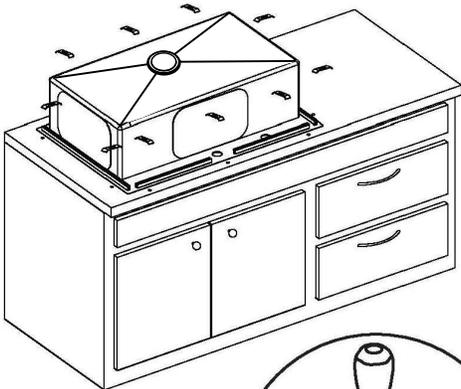
Step 8. Secure sink to countertop

- Use a bead of silicone (or preferred adhesive) around the rim of the sink. Check the alignment of the sink to the cutout in the countertop. Place sink over cutout hole and press firmly.



Step 9. Attach mounting hardware

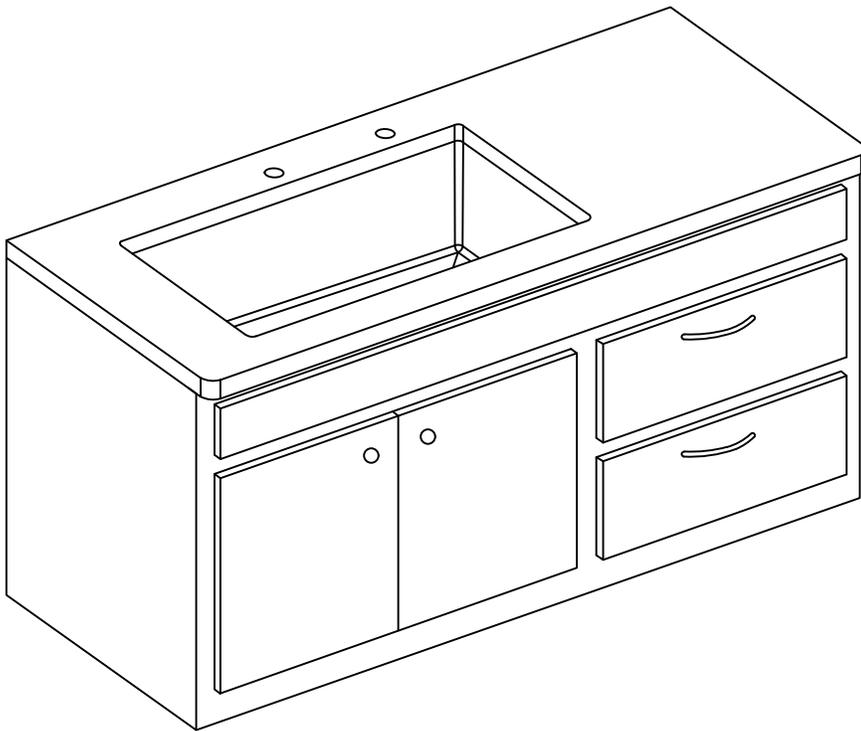
- Attach mounting hardware to secure bowl. Remove excess sealant from inside lip.
- Allow sealant to set for 30 - 60 minutes.



NOTE: Use acetone or rubbing alcohol to remove any excess sealant.

Step 10. Install plumbing fixtures

- Connect drain to sink. Connect trap to drain. Connect water supply connections to faucet according to manufacturer's instructions.
- Run water into sink and check for leaks.

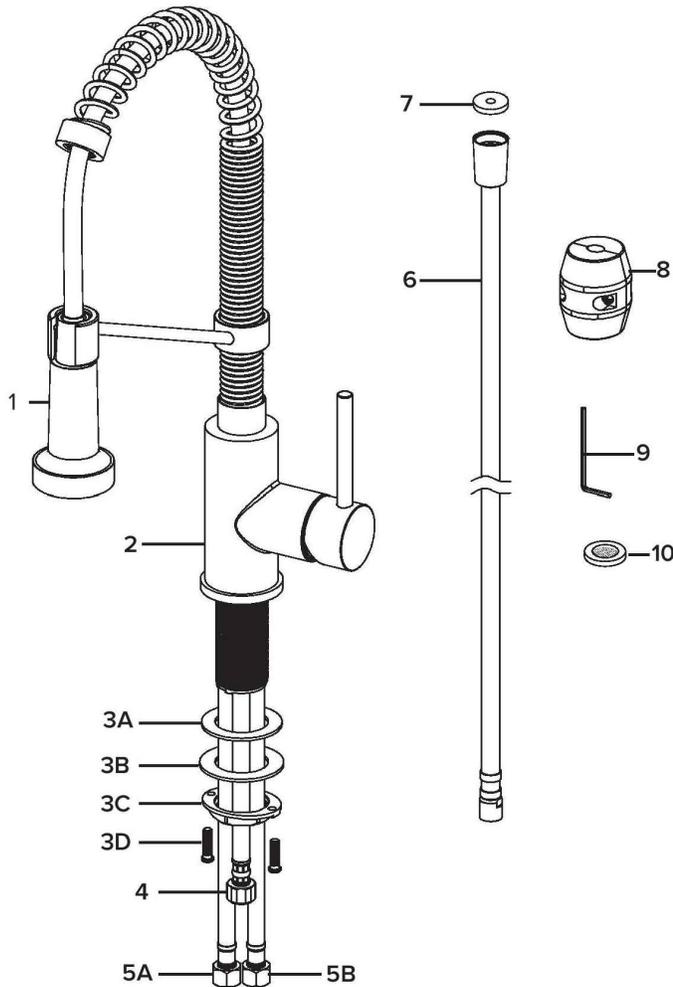


Maintenance

Clean your sink on a regular basis with warm soapy water. Rinse the sink after using cleaning products. Wipe the sink surface with a soft cloth to remove any liquid residue. Do not cut food directly on the surface of the sink. Do not leave sharp objects on the surface of the sink for an extended period of time. Do not use abrasive cleaning products, sanding tools, steel wool or bleaching products.

Kitchen Faucet Installation

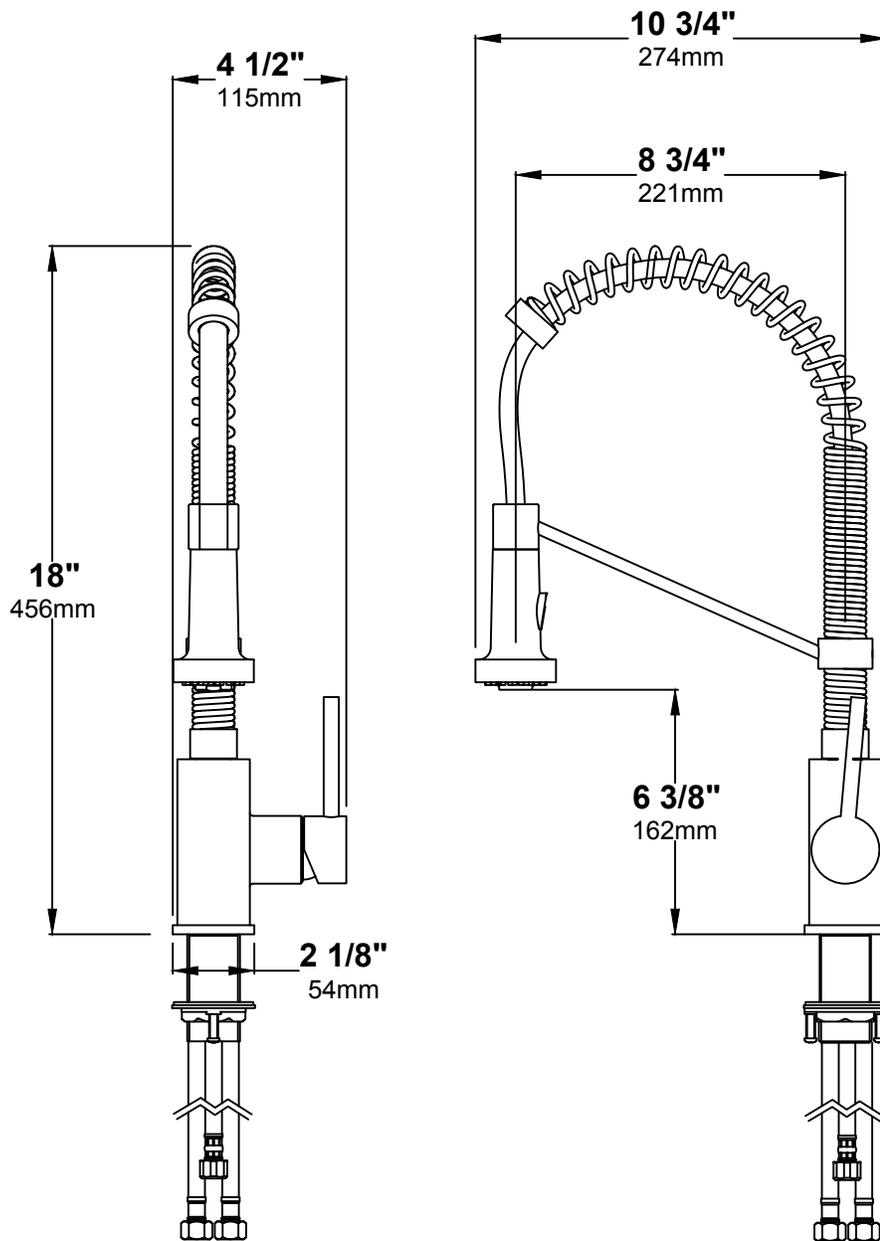
Diagram and Parts List



1. Spray Head
2. Faucet Body
3. Mounting Hardware
 - A. Rubber Washer
 - B. Metal Washer
 - C. Mounting Nut
 - D. Mounting Screws
4. Supply Hose
5. Hot & Cold Waterlines
6. Hose
7. Washer
8. Weight
9. Hex Wrench
10. Washer (2.2GPM)

Please note: This faucet is designed with a 1.8 gpm flow rate in compliance with CEC standards. To adjust the flow rate to 2.2 gpm, replace the washer (7) with the 2.2 gpm washer provided in package. Work with your local jurisdiction to make sure you are in compliance prior to and modification. All modifications are done so at the end users discretion, Kraus is not liable for any indiscretions that may occur which lead to non-compliance.

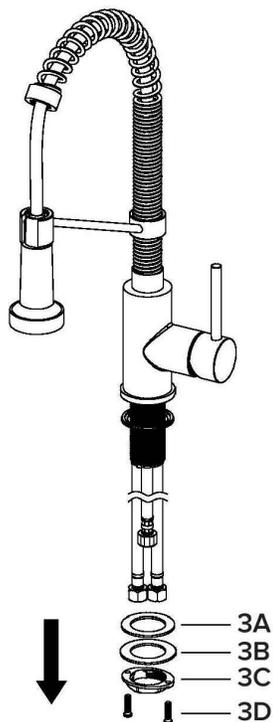
Faucet Installation Procedure



Installer Tip

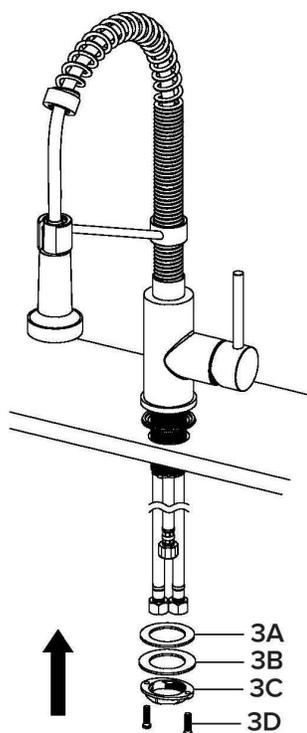
Shut off main water supply before installing new faucet

1. Remove mounting hardware



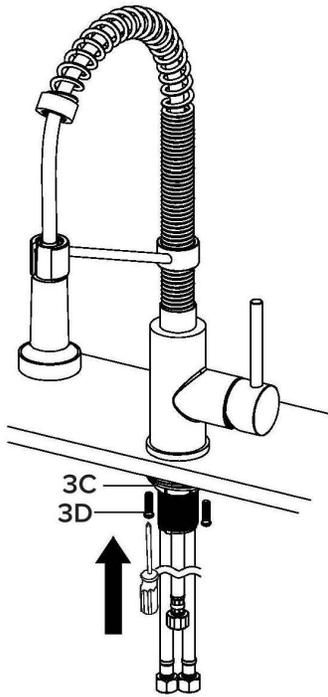
- Remove the mounting screws (3D), mounting nut (3C), metal (3B) and rubber washer (3A) from the mounting pipe.

2. Install faucet mounting hardware



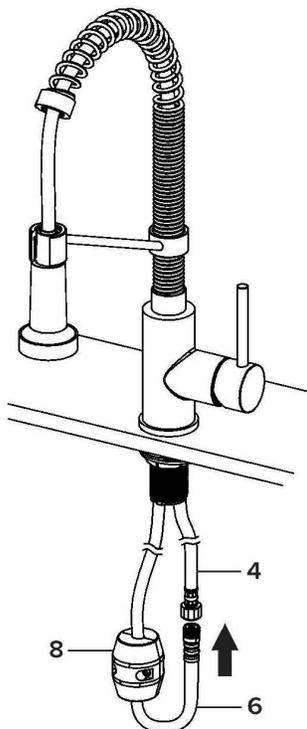
- Insert faucet body (2) into hole in countertop. Install mounting hardware (3A, B, C & D) from underneath the countertop.

3. Secure mounting hardware



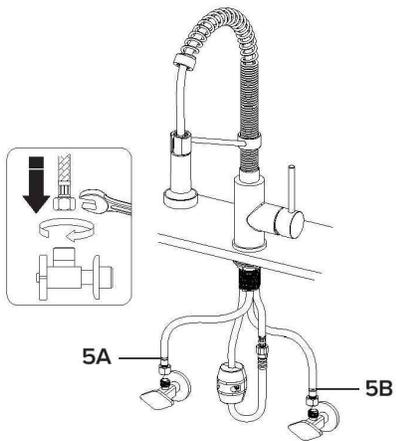
- Adjust direction of faucet body (2) so that the handle is on the right side of the faucet. Tighten mounting nut (3C) until snug. Tighten mounting screws (3D) with Phillips screwdriver until snug.

4. Attach spray hose and counterweight



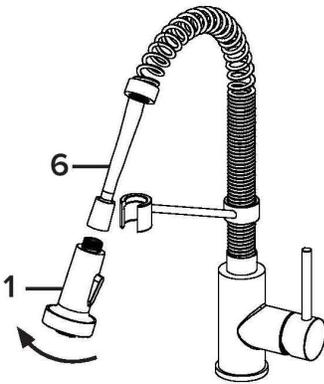
- Connect spray hose (6) to supply hose (4). Install weight (8) on lowest vertical point on spray hose (6).

5. Connect waterlines



- Connect waterlines (5A&B) to angle stops. Tighten both ends of waterlines with a wrench until snug. Turn on hot and cold angle stops and check for leaks.

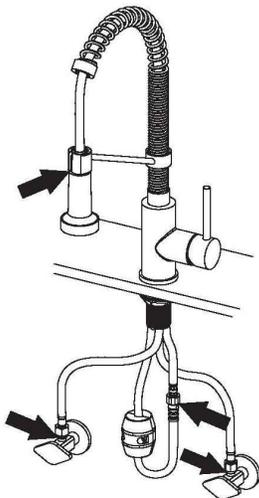
6. Flush spray hose



- Remove spray head (1) from spray hose (6). Hold tip of spray hose (6). Turn faucet on and let the water run for 60 seconds to flush any debris.

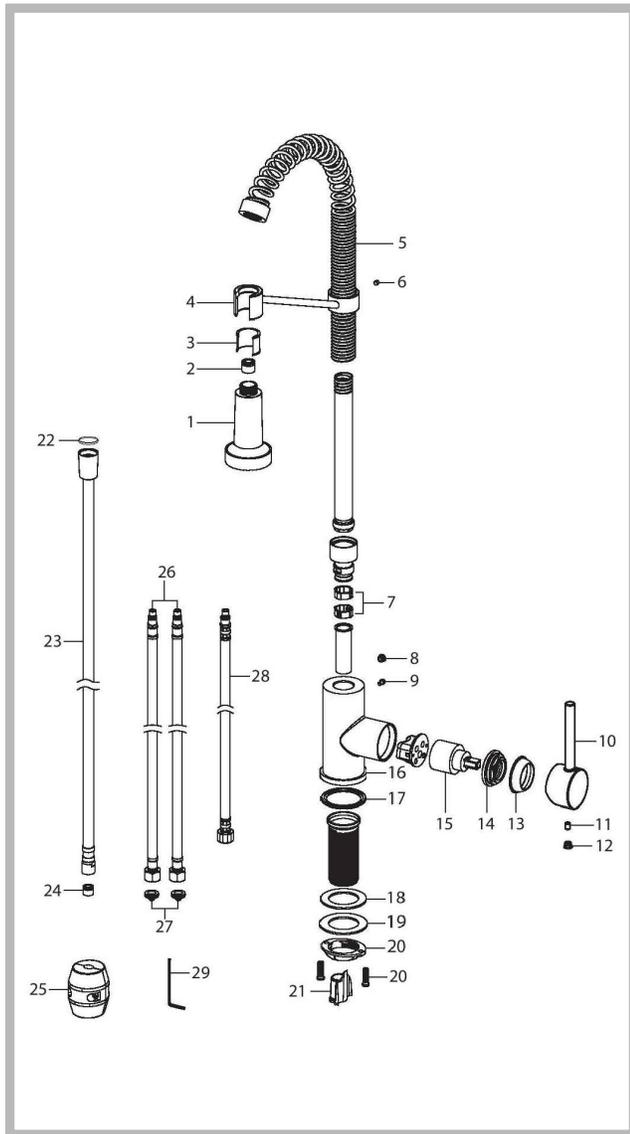
NOTE: Please make sure washer (7) is installed attaching spray head to hose

7. Check for leaks



- Check for leaks at the connections. Retighten if necessary.

Replacement Parts



Replacement Parts List	Finish/Color	Part #
1. Spray Head	CH, SS, MB	KP12002
2. Check Valve		KP12003
3. Hose Guide		KP12004
4. Sprayer Holder	CH, SS, MB	KP12005
5. Spring	CH, SS, MB	KP12006
6. Set Screw		KP12007
7. Sleeve		KP12008
8. Cap	CH, SS, MB	KP12009
9. Set Screw		KP12010
10. Handle	CH, SS, MB	KP12011
11. Handle Set Screw		KP12012
12. Cap	CH, SS, MB	KP12009
13. Cartridge Cover	CH, SS, MB	KP12013
14. Locking Nut		KP12014
15. Cartridge		KP12015
16. Base	CH, SS, MB	KP12016
17. Base O-Ring		KP12017
18. Rubber Washer		KP12018
19. Metal Washer		KP12019
20. Mounting Nut & Screws		KP12020
21. Protective Sleeve		KP12021
22. Washer		KP12022
23. Hose	GRCH, GRSS, BLSS, BLMB	KP12023
24. Check Valve		KP12024
25. Weight		KP12025
26. Hot & Cold Waterlines		KP12026
27. Filter Washer		KP12027
28. Supply Hose		KP12028
29. Hex Wrench		KP12029

Care & Maintenance

* To keep the product clean & shining, follow the steps below:

1. Rinse with clean water & dry with a soft cloth
2. Do not clean with soaps, acid, polish, abrasives or harsh cleaners
3. Do not use cloth with a coarse surface
4. Unscrew the aerator and clean when necessary

* This installation manual is subject to change without further notice.



Trouble-Shooting

If you have followed the instructions carefully and your faucet still does not work properly, take the following corrective steps:

PROBLEM	CAUSE	ACTION
Leakage under faucet handle	Locking nut has come loose or cartridge needs to be reseated	Remove button located at top of handle. Loosen set screw with hex wrench. Remove handle and unscrew cartridge cover by hand. Tighten locking nut with an adjustable wrench
Water does not shut off completely	Cartridge may need to be adjusted or replaced	Remove button located at top of handle. Loosen set screw with hex wrench. Remove handle and unscrew cartridge cover by hand. Unscrew locking nut with an adjustable wrench. Remove ceramic disc cartridge. Check for cracks and if O-ring is seated correctly. Reseat cartridge
Leaking between spray head and the hose	Spray head may be loose or washer is not seated correctly in the hose connection	Tighten spray head by hand until snug. Make sure washer is seated correctly
Hose does not retract	Weight may be installed incorrectly	Readjust weight on hose
Low flow	Aerator may be clogged Waterlines may be clogged	Unscrew aerator with aerator key. Hold tip of spray head and turn on water to flush debris Turn off the water supply at water valve and unscrew the hose connectors from water supply lines. Clean the screen in the water lines with hot water, removing any debris or calcium build up.

Codes/Standards Applicable



NSF/ANSI Standard 61 certified by IAPMO
NSF/ANSI Standard 372 certified by IAPMO



Meets ASME A112.18.1
1.8GPM 6.8L/min maximum

Kitchen Sink Warranty

Kraus products are manufactured and tested to the highest quality standards by Kraus USA Inc. ("Kraus").

Kraus extends this warranty to the original purchaser for personal household use of the "Kitchen Sink" in its original location. The warranty is non-transferable.

Kraus warrants the structure and finish of the product to be free from defects in material and workmanship under normal usage for the lifetime of the product. The warranty commences from the initial date of purchase by the owner or trade professional, from an authorized Kraus dealer, through the lifetime of the original owner or end-user.

Any product reported to the authorized dealer or to Kraus as being defective within the warranty period will be repaired or replaced with a product of equal value at the option of Kraus. This warranty extends to the original owner or end-user, and is not transferable to a subsequent owner.

Restrictions

This warranty does not cover antediluvian, discontinued, or display products, whether such items are purchased at discount outlets, unauthorized dealers, and/or sold on clearance.

This warranty does not cover instances of negligence, misuse, abuse, improper installation, carelessness, accident, hard water or mineral deposits, exposure to corrosive materials, misapplication, damages caused by improper maintenance, alteration of the product, or failure to follow care or installation instructions enclosed with your product. Avoid using abrasive cleaners such as powders, bleach, ammonia, alcohol, or chlorine. Avoid using abrasive pads, steel wool, or wire brushes, as these will damage and wear down the finish.

This warranty does not apply to Products that have not been installed or operated in accordance with instructions supplied by Kraus and all applicable rules, regulations, and legislation pertaining to such installations.

This warranty does not apply unless the Kraus product is installed by a fully insured and licensed trade professional. Kraus insists that such professionals have experience in the installation of bathroom and kitchen manufactured goods.

This warranty does not cover labor charges or costs of removal and reinstallation of said product. This warranty does not allow recovery of incidental or consequential damages, such as loss of use, delay, property damage, or other consequential damages, and Kraus accepts no liability for such damages.

This warranty does not cover Marine or Outdoor Installation.

This warranty does not cover any free gifts included with purchase.

Except as otherwise provided above, Kraus makes no warranties, expressed or implied, including warranties of merchantability and fitness for a particular purpose, or compliance with any code.

Shipping charges will be covered for the first (1) year of the warranted replacement part or product (HI, AK, and Puerto Rico shipping charges may apply). International shipping fees are not included.

COMMERCIAL WARRANTY

Kraus extends the above warranty for a period of one (1) year to purchasers of products for industrial, commercial, and business use.

All incidental or consequential damages are specifically excluded. No additional warranties, express or implied, are given, including but not limited to any implied warranty of merchantability or fitness for a particular purpose.

Some states do not allow the exclusion or limitation of incidental or consequential damages or limitations on how long an implied warranty lasts, so the above limitations or exclusions may not apply to you.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

KRAUS USA has the right to change, modify, and/or update the warranty policy at any time. For the latest, most up to date comprehensive warranty, go to www.kraususa.com/warranty

Faucet Warranty

Kraus products are manufactured and tested to the highest quality standards by Kraus USA Inc. ("Kraus").

Kraus extends this warranty to the original purchaser for personal household use of the "Faucet" in its original location. The warranty is non-transferable.

Kraus warrants the structure and finish of the product to be free from defects in material and workmanship under normal usage for the lifetime of the product. The warranty commences from the initial date of purchase by the owner or trade professional, from an authorized Kraus dealer, through the lifetime of the original owner or end-user.

Kraus warrants the mechanical components such as but not limited to sprayhead assembly (includes engine, aerators, structure, restrictors, back flow preventers, sprayer hoses, braided supply line hoses which encompasses nylon, silicon and stainless steel, etc) of the product to be free from defects in material and workmanship under normal usage for a period of one (1) year. The warranty commences from the initial date of purchase by the owner or trade professional, from an authorized Kraus dealer, through the one (1) year term of the original owner or end-user.

Kraus warrants the mechanical component (cartridge) of the product to be free from defects in material and workmanship under normal usage for a period of five (5) years. The warranty commences from the initial date of purchase by the owner or trade professional, from an authorized Kraus dealer, through the five (5) year term of the original owner or end-user.

Any product reported to the authorized dealer or to Kraus as being defective within the warranty period will be repaired or replaced with a product of equal value at the option of Kraus. This warranty extends to the original owner or end-user, and is not transferable to a subsequent owner.

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This warranty does not cover Marine or Outdoor Installation.

Except as otherwise provided above, Kraus makes no warranties, expressed or implied, including warranties of merchantability and fitness for a particular purpose, or compliance with any code.

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All incidental or consequential damages are specifically excluded. No additional warranties, express or implied, are given, including but not limited to any implied warranty of merchantability or fitness for a particular purpose.

Some states do not allow the exclusion or limitation of incidental or consequential damages or limitations on how long an implied warranty lasts, so the above limitations or exclusions may not apply to you.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

KRAUS USA has the right to change, modify, and/or update the warranty policy at any time. For the latest, most up to date comprehensive warranty, go to www.kraususa.com/warranty

If you are a homeowner please contact a Kraus Customer Service Representative at:

Kraus USA, Inc.
12 Harbor Park Drive
Port Washington, NY 11050
Toll-free 800-775-0703
Customerservice@kraususa.com

If you are a plumbing contractor or trade professional please contact a Kraus Pro Representative at:

Kraus USA, Inc.
12 Harbor Park Drive
Port Washington, NY 11050
516-801-8955
Proservice@kraususa.com

If you are an Authorized Partner please contact a Partner Support Representative at:

Kraus USA, Inc.
12 Harbor Park Drive
Port Washington, NY 11050
516-801-8954
Partnersupport@kraususa.com

In requesting warranty service, please be ready to provide:

1. Proof of purchase.
2. A description of the problem.

Download the Kraus Care & Maintenance Guide at:

<http://www.kraususa.com/maintenance>

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