Kräus®

INSTALLATION GUIDE

Handmade Stainless Steel Undermount Kitchen Sink

KHU100-30 / KHU100-32 / KHU101-23 / KHU102-33 /
KHU103-33 / KHU104-33 / KHU105-32 / KHU121-23 /
KHU122-23 / KHU123-32

Congratulations on the purchase of your new Kraus plumbing fixture!

Please keep teh 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.

Prior to Installation:

- Make sure that you have all necessary parts by checking the parts list. If any part is missing or damaged, please contact Kraus Customer Service at 800-775-0703 for a replacement
- Inspect the sink prior to installation to make sure that it has not been damaged or during shipping
- Use the cut-out template provided by Kraus
- Observe all plumbing and building codes according to your state requirements
- Not recommended to be installed with laminate countertop

For technical assistance or replacement parts, please contact Kraus Customer Service and one of our representatives will be happy to help:

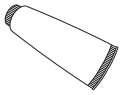
Toll-Free: 800-775-0703 or Customerservice@kraususa.com

The step-by-step guidelines in the installation instructions are a general reference for installing a Kraus Sink. Should there be any discrepancies, Kraus cannot be held liable. It is recommended to install all Kraus products by hiring a licensed professional.

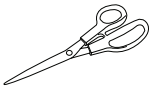
Tools you will need:

Safety Goggles

Drill

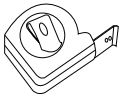

Silicone Adhesive

Jig Saw

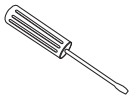

Scissors

Phillips Screwdriver

Putty Knife


Tape Measure

Pencil

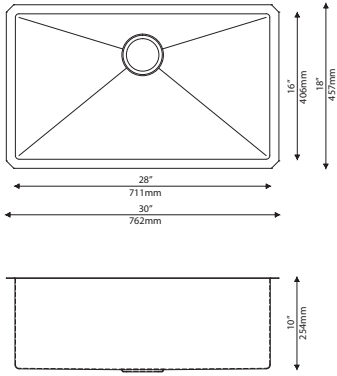

Screwdriver

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

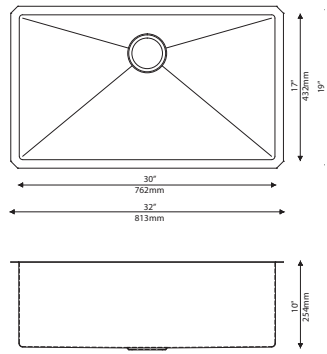
Parts List

- Cut-Out Template
- Mounting Hardware
- Bottom Grids
- Drain

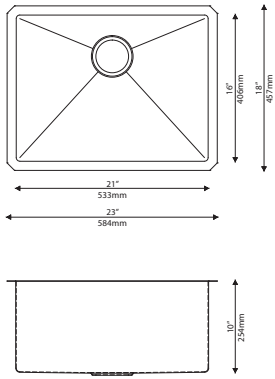
Dimensions



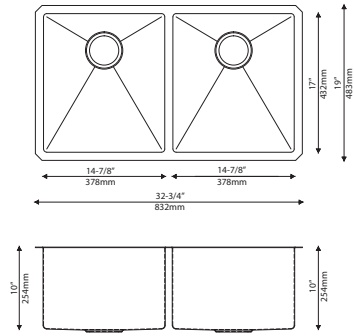
KHU100-30
30" x 18" x 10"
Min Cabinet Size: 33"
Matching Grid: KBG-100-30
Drain Model #: BST-1



KHU100-32
32" x 19" x 10"
Min Cabinet Size: 36"
Matching Grid: KBG-100-32
Drain Model #: BST-1

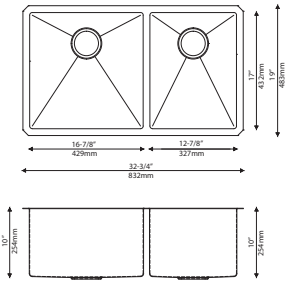


KHU101-23
23" x 18" x 10"
Min Cabinet Size: 27"
Matching Grid: KBG-101-23
Drain Model #: BST-1

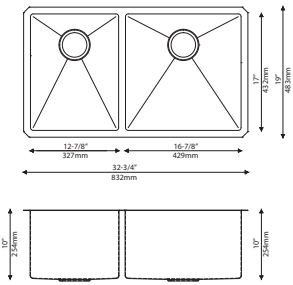


KHU102-33
32 3/4" x 19" x 10"
Min Cabinet Size: 36"
Matching Grid: KBG-102-33-1
and KBG-102-33-2
Drain Model #: BST-1 & ST-1

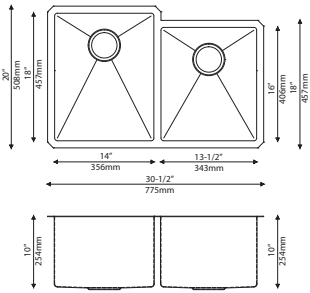
Dimensions



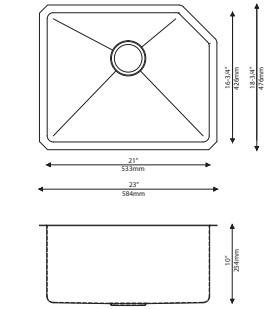
KHU103-33
32 3/4″ x 19″ x 10″
Min Cabinet Size: 36″
Matching Grid: KBG-103-33-1 and KBG-103-33-2
Drain Model #: BST-1 & ST-1



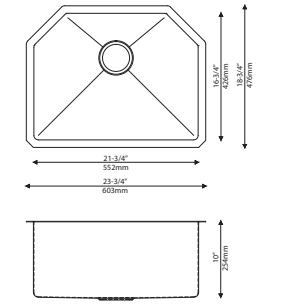
KHU104-33
32 3/4″ x 19″ x 10″
Min Cabinet Size: 36″
Matching Grid: KBG-104-33-1 and KBG-104-33-2
Drain Model #: BST-1 & ST-1



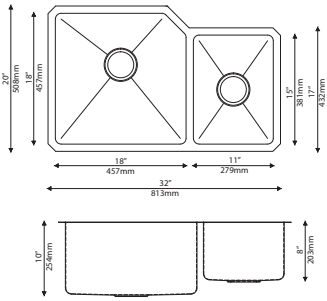
KHU105-32
30 1/2″ x 20″ x 10″
Min Cabinet Size: 36″
Matching Grid: KBG-105-32-1 and KBG-105-32-2
Drain Model #: BST-1 & ST-1



KHU121-23
23″ x 18 3/4″ x 10″
Min Cabinet Size: 27″
Matching Grid: KBG-121-23
Drain Model #: BST-1



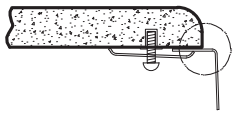
KHU122-23
23 3/4″ x 18 3/4″ x 10″
Min Cabinet Size: 27″
Matching Grid: KBG-122-23
Drain Model #: BST-1



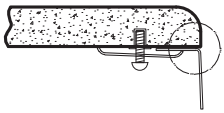
KHU123-32
32″ x 20″ x 10″
Min Cabinet Size: 36″
Matching Grid: KBG-123-32-1 and KBG-123-32-2
Drain Model #: BST-1 & ST-1

1. Determine Reveal Type

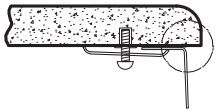
Use scissors to cut along the line of the paper template for your desired reveal type (Negative, Positive, or Flushed Reveal)



3/8“ Positive Reveal

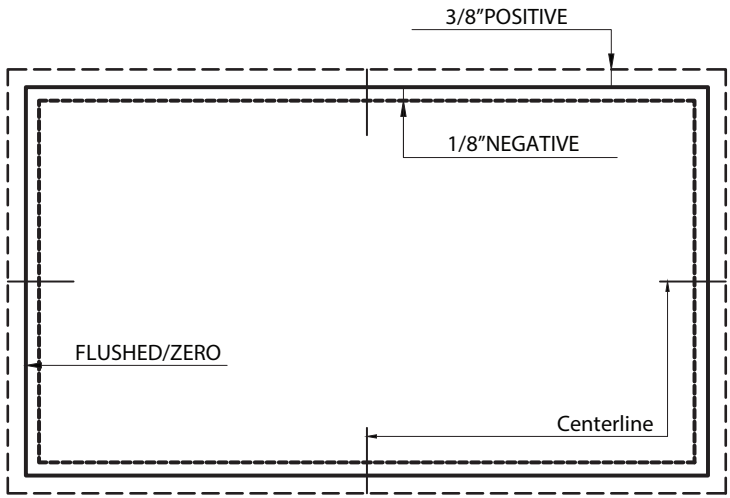


Flushed/Zero Reveal



1/8“ Negative Reveal

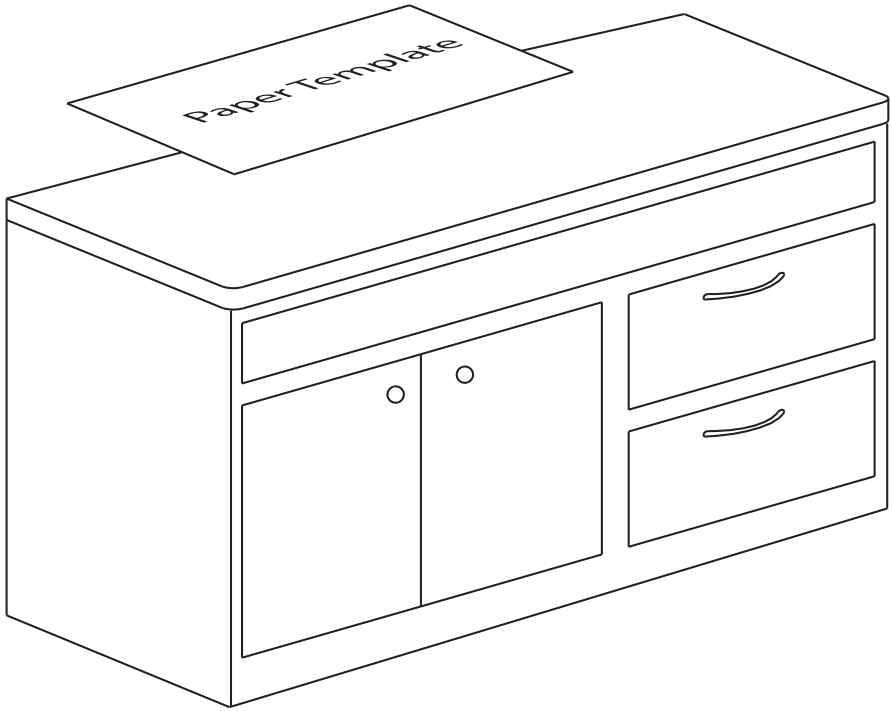
KRAUS Recommended Installation Type



2. Position Template

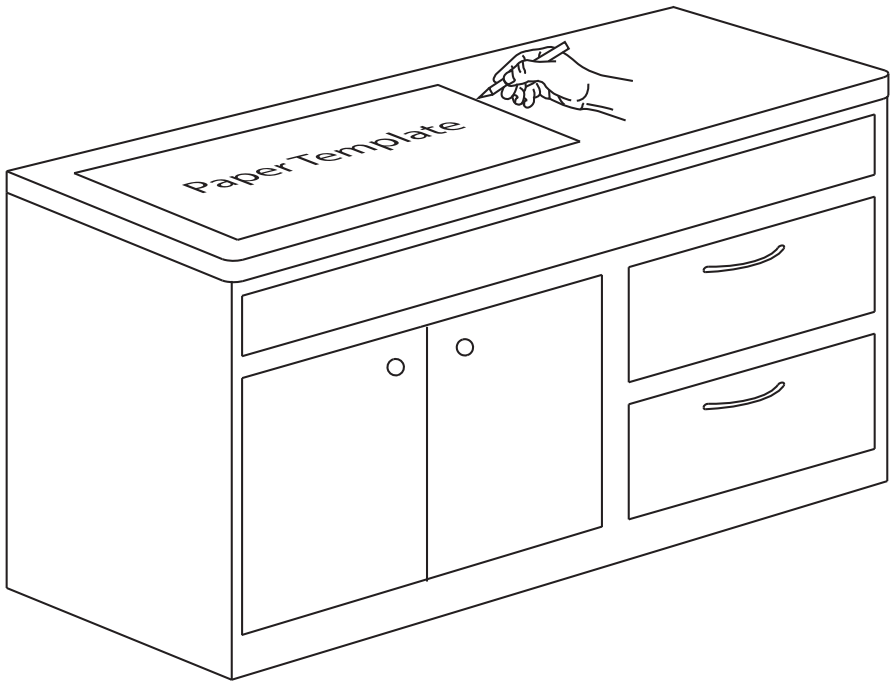
- Check the cut-out template against the actual sink to ensure a proper sized cut-out
- Place the cut-out template in the desired location on the countertop

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



3. Trace Template

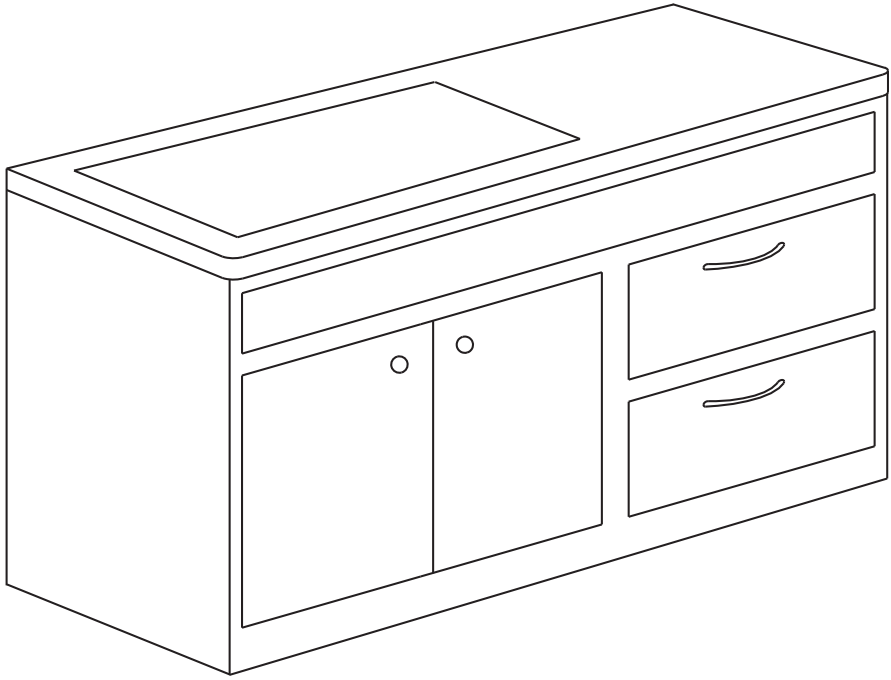
- Trace template on countertop with a pencil

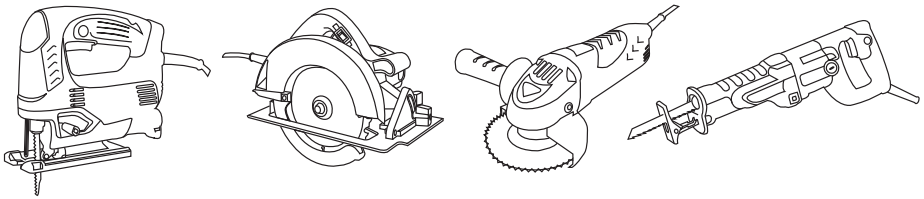


4. Cut Countertop

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

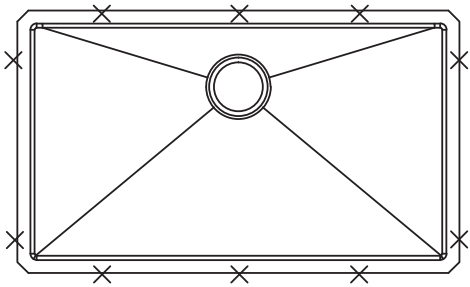
NOTE: Please use the appropriate saw that best fits your countertop material

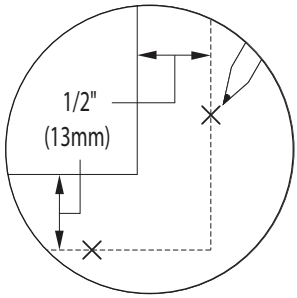




5. Set up Mounting Brackets

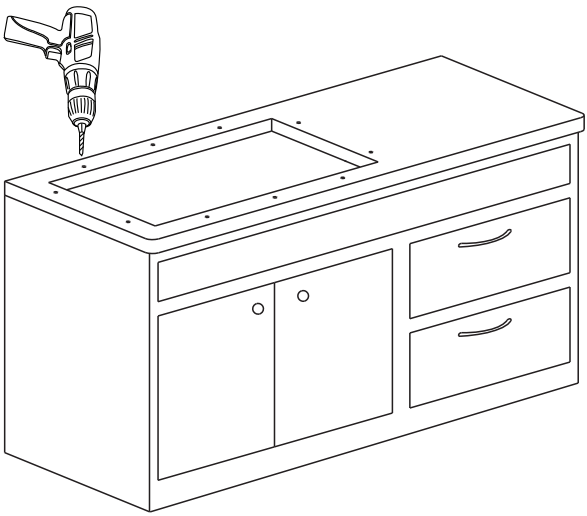
- Turn countertop over and align sink with countertop. Decide location for mounting brackets
- Mounting holes should be ½" from edge of sink

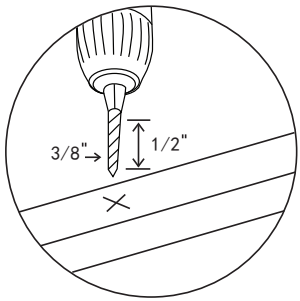




6. Drill Hole in Countertop

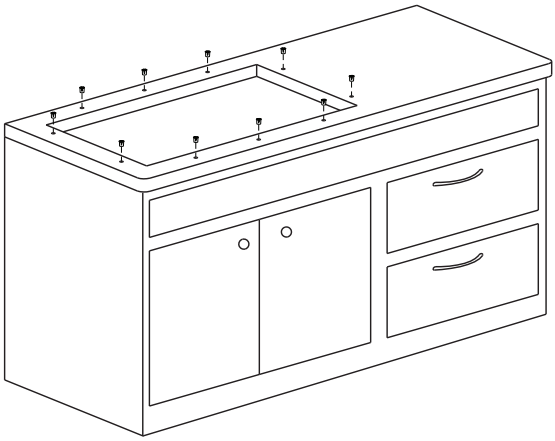
- Drill 3/8" diameter x 1/2" deep hole in the countertop

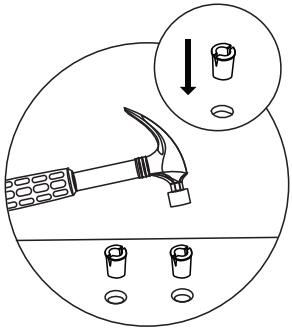




7. Install Anchors

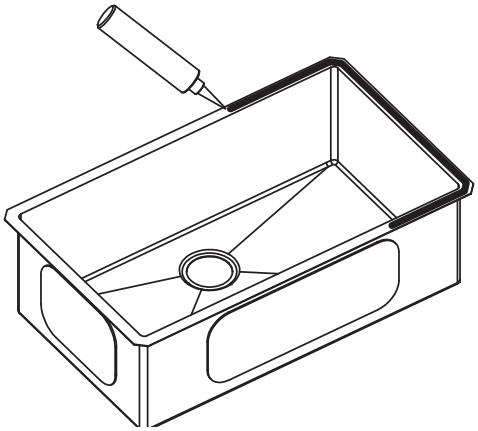
- Insert anchors into drilled holes and lightly tap with a hammer until flush





8. Secure Sink to Countertop

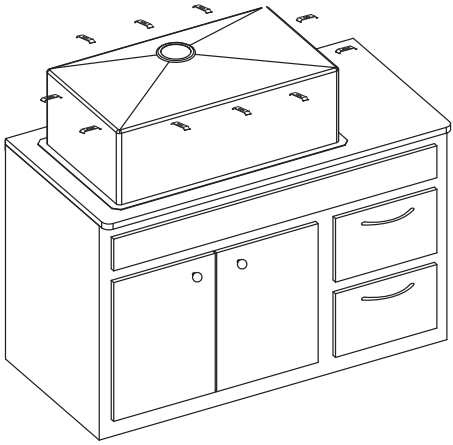
- Use a bead of silicone (or preferred adhesive) around the rim of the sink. Check the alignment of the sink to the cutout in the countertop. Place sink over cutout hole and press firmly

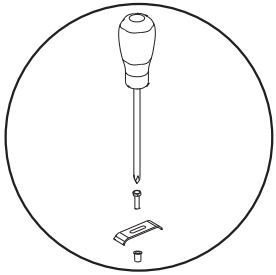


9. Attach Mounting Hardware

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

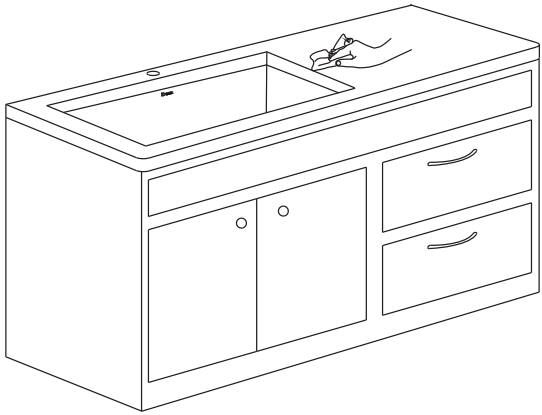
NOTE: Use acetone or rubbing alcohol to remove any excess sealant





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



Codes / Standards Applicable:

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.

Due to the nature of drain usage, there is no finish warranty on any drain product (including pop-up drains, lavatory drains, and kitchen drains)

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.

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.

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

IMPORTANT

Register Your Kraus Product

Activate Your Warranty

Access Premium Customer Support

Get Product Information

REGISTER TODAY

http://www.kraususa.com/registration

Kräus®

www.kraususa.com

Kräus®

INSTALLATION GUIDE

Single Lever Pull-Out Kitchen Faucet

KPF-1621

Congratulations on the purchase of your new Kraus plumbing fixture!

Please keep teh 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:

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1-800-775-0703 / customerservice@kraususa.com

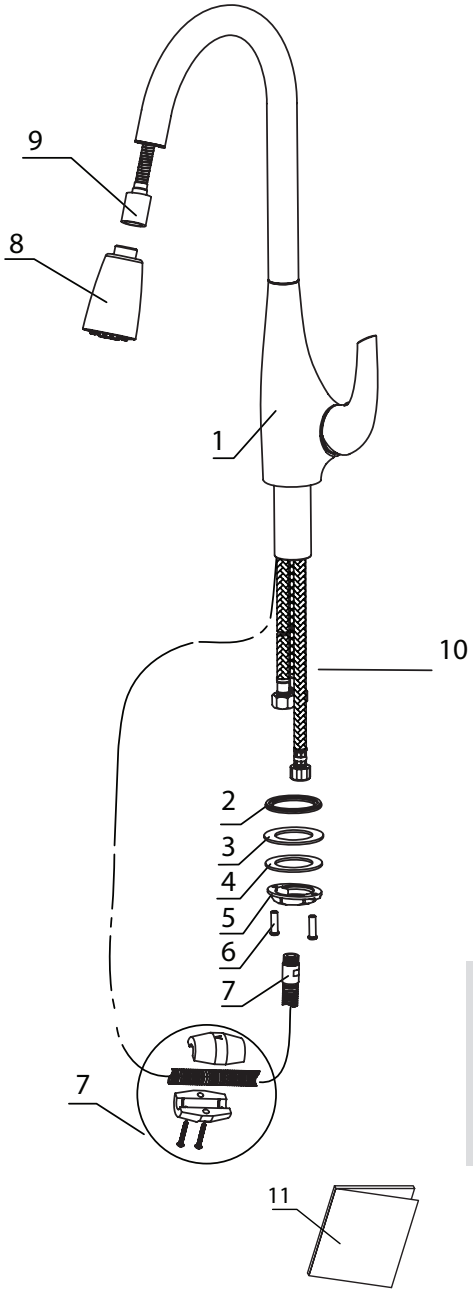
Have the model number available, and retain a copy of your receipt with purchase date for reference.

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.

Prior to Installation

- Make sure that cold and hot water lines are turned off
- Wrap all threaded connections with Teflon tape. Always wrap in a clockwise direction
- Cover your drain to avoid losing parts
- Do not disassemble the main faucet body, as it has been installed & commissioned correctly & precisely before delivery from the factory
- To keep the faucet from jamming, flush the water pipe before installation
- Using condition: Working pressure at 0.05-1.0MPa (including cold & hot water pressure) with applicable water temperature: 4ºC-90ºC
- After installation, make sure every joint is safely sealed and that there is no leaking
- Make sure to correct the hot/cold inlet pipe correctly: if facing faucet, hot water pipe connects on the left and cold water pipe connects on the right

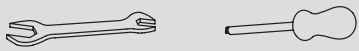
KPF-1621 Diagram and Parts List



Included Parts:

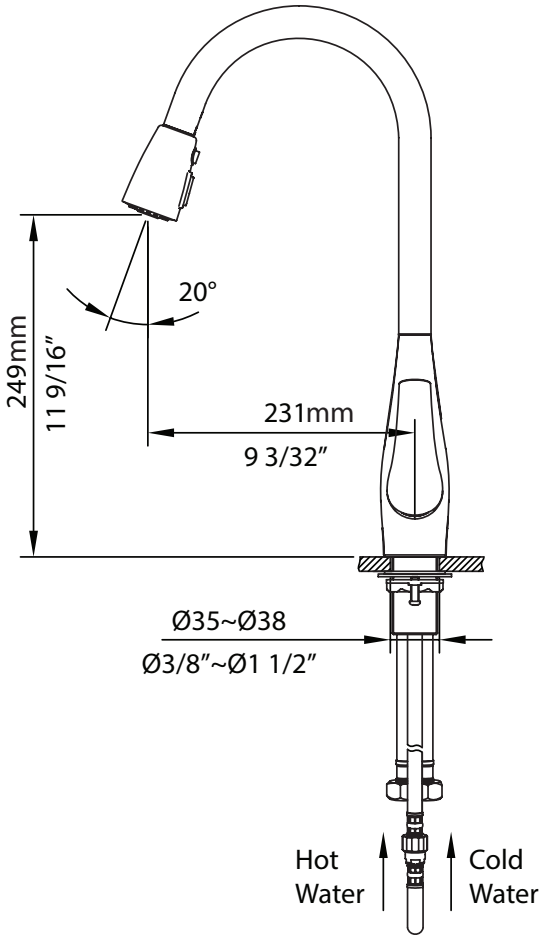
1. Faucet Body
2. Base O-Ring
3. Rubber Washer
4. Metal Washer
5. Mounting Nut
6. Mounting Screws (2)
7. Weight
8. Spray Head
9. Spray Hose
10. Hot and Cold Waterlines (2)
11. Manual

Tools you will need:



Wrench **Phillips Screwdriver**

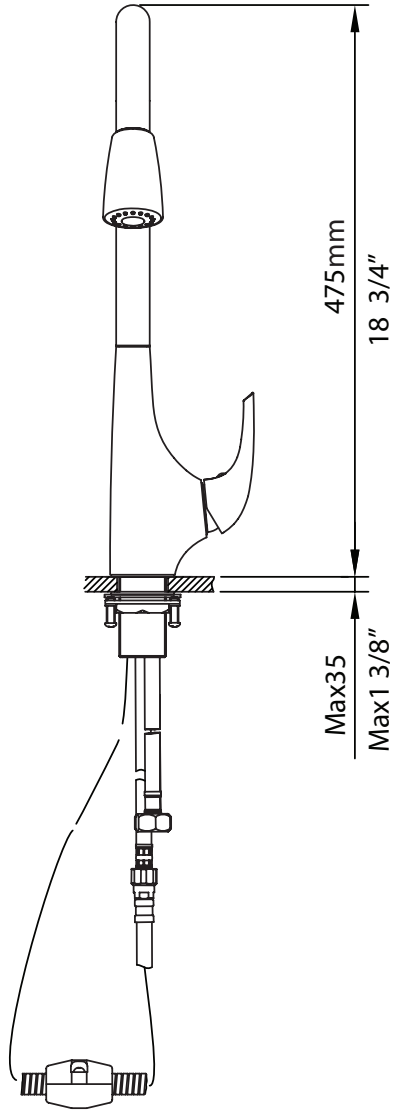
Dimension Drawings



Safety Tips

- If soldering the water connections when installing the faucet, remove the O-rings, cartridges, and washers before applying any heat
- Protect your eyes with safety glasses when cutting or soldering

Dimension Drawings

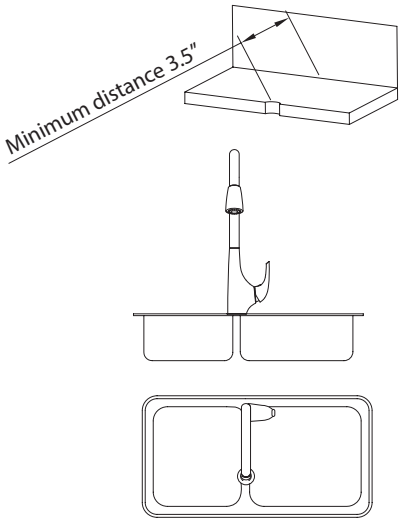


Safety Tips

- Do not overtighten fixing screws/nuts. Tighten finger-tight, then use a wrench/screwdriver to tighten the fixing screw/nut until snug

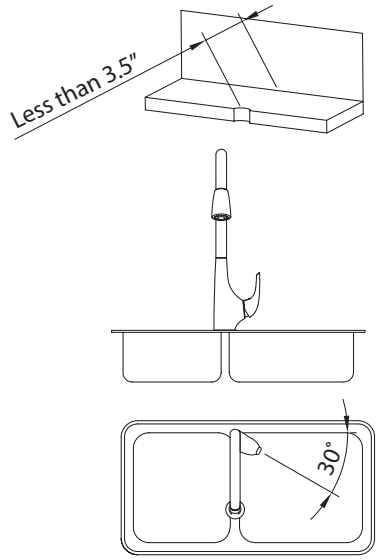
Faucet Installation Methods

Installation Method 1



The minimum distance between the faucet hole and the wall should be 3.5"

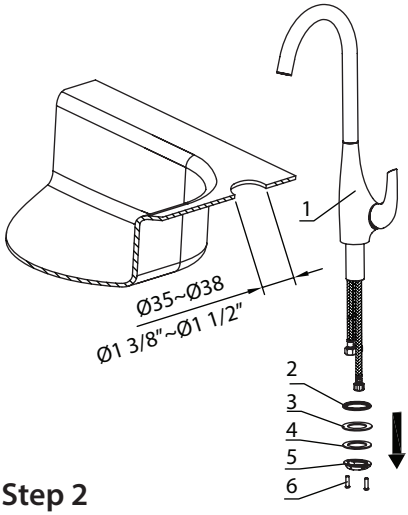
Installation Method 2



If the distance between the faucet hole and the wall is less than 3.5", position the faucet lever 30 degrees to 90 degrees off of the wall to allow for full operation

Faucet Installation Steps

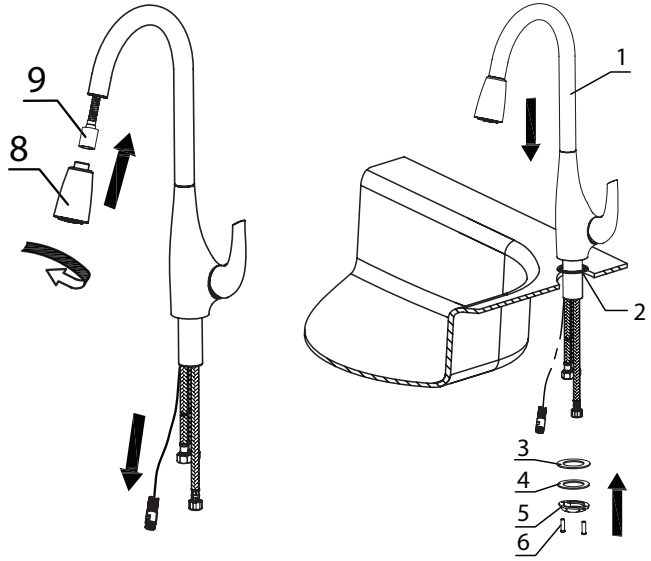
Step 1



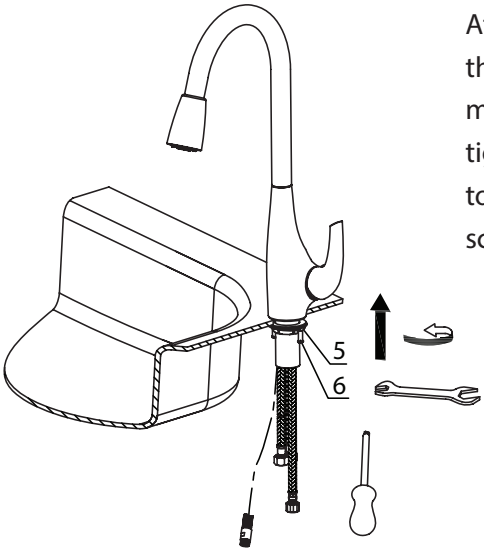
Remove mounting screws (6), mounting nut (5), metal washer (4), and rubber washer (3) from the faucet body (1)

Step 2

Connect spray head (8) to spray hose (9) and tighten firmly. Insert the faucet body (1) into the hole on the deck with the base o-ring (2), and then install the rubber washer (3), metal washer (4), mounting nut (5) and mounting screws (6) from underneath the sink

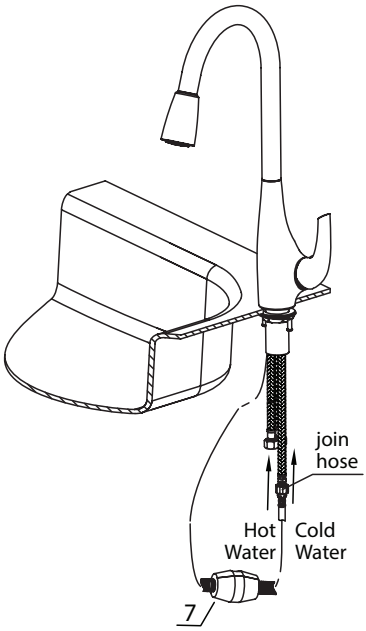


Step 3



After adjusting the direction of the faucet body(1), tighten the mounting nut (5) until snug and tighten the mounting screws (6) to the nut with a Philips head screwdriver

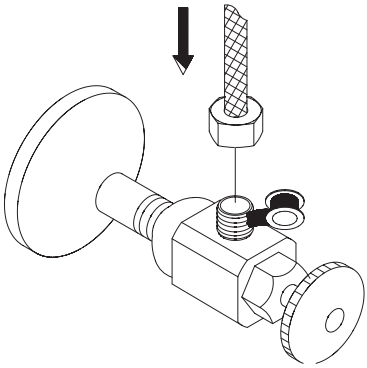
Step 4

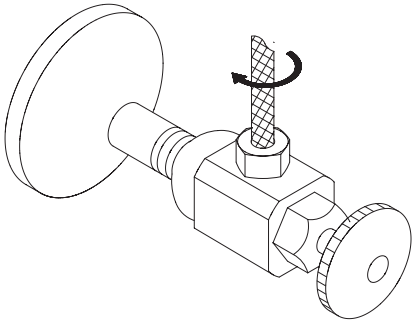


Connect the spray hose (9) to the supply line and tighten with a wrench until snug, then install the weight (7) at the lowest point (horizontally) on the spray hose (9)

Step 5

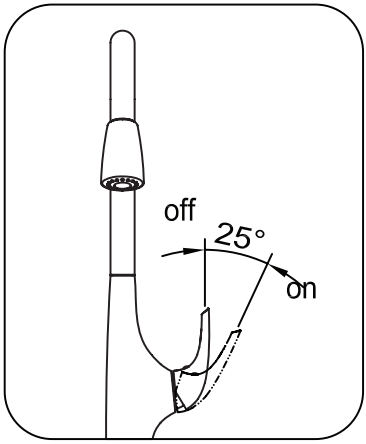
Connect hot and cold waterlines (10) to the angle stops and tighten with a wrench until snug, then unscrew spray head (8), hold the tip of the spray hose (9) and turn on the faucet to flush any debris





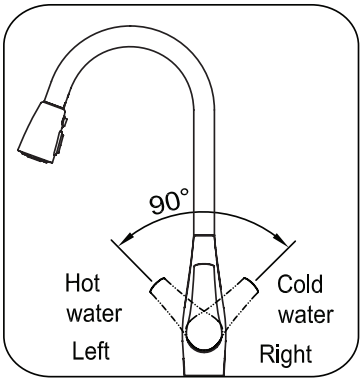
Usage

How to Operate the Handle



1. Pull the lever to the right to turn on the water. Push to the left to turn off

2. Pull the lever forward to increase hot water flow and push the lever back to increase the cold water flow

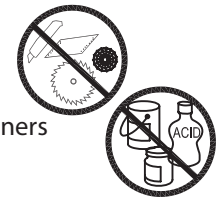


Trouble - Shooting

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 the handle	Locking nut has come loose	Remove the index button at the top of the handle. Loosen set screw with a hex wrench. Remove the handle and unscrew trim cap by hand. Tighten locking nut with an adjustable wrench
Water will not shut off completely	Cartridge may be defective	Remove the index button at the top of the handle. Loosen set screw with a hex wrench. Remove the handle and unscrew trim cap by hand. Unscrew the locking nut with an adjustable wrench. Remove ceramic disc cartridge. Check for cracks
Leaking between spray head and the hose	Spray head may be loose or washer is not seated correctly in the hose connection	Tighten the spray head by hand until snug. Make sure the washer is seated correctly

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.

Codes/Standards Applicable:

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

Meets ASME A112.18.1M/A112.18.1
1.75gpm 6.6L/min maximum

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 component **(sprayhead assembly)** 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.

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 legiswlation 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.

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.

ome 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.

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

IMPORTANT

Register Your Kraus Product

Activate Your Warranty

Access Premium Customer Support

Get Product Information

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