



Kitchen & Bath Installation & Care Guide

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Product Care & Installation

Thank you for choosing Diamond Spas (DSI) to fabricate your custom product. Every product is made by hand for each client and due to the welding process, there may be visible weld seams.

Each product has been water tested to ensure that they are made to our highest standards and are leak tight.

Your Diamond Spas product will have a felt wrapping when it arrives to the project site. Leave felt wrap on the product until ready for installation as construction dirt and debris can etch or discolor the product. Do not re-wrap the product in just the plastic wrap as this will stain the vessel. Felt should always be the first barrier on the product.

Diamond Spas takes great care to fabricate as accurately as possible. However, a certain level of dimensional variation is inherent in the welding processes. Tolerances for these dimensional variations are fractional $\pm 1/4"$.

Every product is finished with a rotary buffed finish. The finish is a soft, circular pattern. Since all products are created by hand no two products will look exactly alike.

Use non water based silicone for all DSI tub, shower and sink installations.

All Diamond Spas products should be installed by a licensed contractor, plumber or electrician. Check with local building codes and regulations for up to date requirements.

Diamond Spas is not required to know the building code for each installation site. This is up to the purchaser to check these requirements.

Before fully installing your soaking tub, shower or sink, be sure that the product is leak tested and draining properly before final installation is completed (tile, drywall, etc.).



Shower Pans

Installation:

Check the levelness of the floor prior to the installation of the metal pan, using a carpenter's level. This will help you know how much mortar/thinset you should use when spreading it onto the floor.

Dry-fit the shower pan into place and mark the outline of the pan onto the floor, using a pencil. Remove the pan and set it aside. Connect the gasket and drain fitting to the pan per the manufacturer's instructions. Leave the drain cover off so you can access the pipes later.

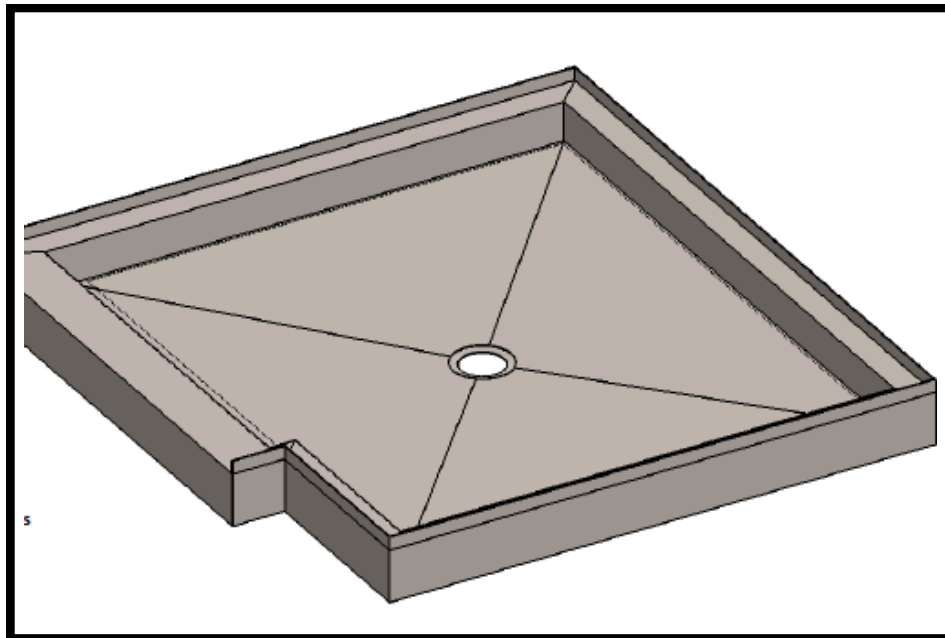
Mix thinset mortar with a drill and paddle. Mix a solution of mortar/thinset until it has a thick, peanut-butter consistency. If you are mixing the whole bag, refer to the manufacturer's instructions for how much water is required.

Apply thinset mortar to the floor within your pencil lines. Comb the thinset in multiple directions with the notched side of the trowel, finally combing everything in a single direction to ensure an even, flat coat. Add more thinset to one side to level the floor, if necessary. Check the floor to ensure it is level, using the carpenter's level.

Set the metal shower pan in place on top of the mortar. Apply pressure at various points across the surface to press it into the mortar. Use the level to help guide you in your application of pressure, but ensure the entire base is set level into the mortar.

Screw the flanges of the shower pan into the wall studs, using at least 1 1/2-inch wood screws. Drill pilot holes into the flange that are slightly smaller than the size of the screws, if necessary. Allow the thinset to dry for 24 hours.

Connect the shower base gasket attachment to the shower drain. Place the drain cover on top of the drain. Install the wall coverings and floor material to lock the metal shower pan in place.



Shower Pans

Care & Maintenance:

Use warm water, a mild detergent and a soft cloth to wipe the surfaces clean and then rinse thoroughly.

NEVER USE ABRASIVE OR CITRUS CLEANERS.

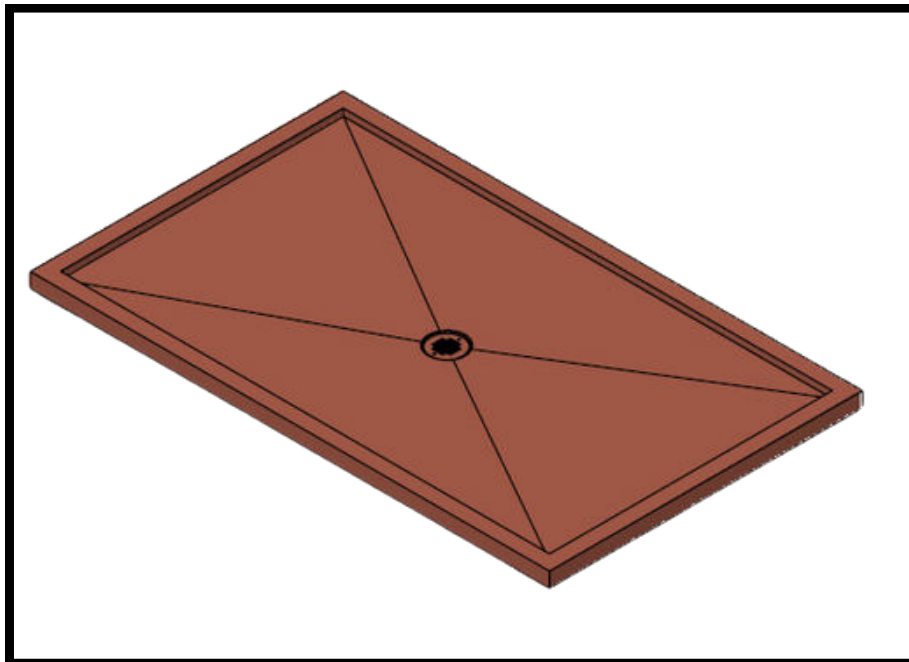
Soap residue and mineral deposits can leave hard water spotting. By cleaning your shower pan at regular intervals and using the proper cleaning agents you can help retain the finish on your metal shower pan.

Avoid any metal objects to sit on the metal such as shaving cream cans or razor blades as these will cause rust spots.

Stainless Steel: If rust spots occur because of metal objects or scratches occur in the metal, take a scotch brite pad and with a medium pressure rub in a circular pattern until the rust or scratch is no longer detectible.

DO NOT USE SCOTCH BRITE PAD ON COPPER PRODUCTS AS THIS WILL TAKE OFF THE PATINA.

Use non water based silicone for all DSI tub, shower and sink installations





Bath Tubs

Installation:

We recommend using a licensed professional if you are unfamiliar with installing bathroom fixtures and plumbing. All plumbing connections should be easily accessible for any future maintenance that may be necessary. There must be access to whirlpool pumps, air jet pumps, and blowers.

Unwrap the tub and inspect the tub for any damage. If there is any damage to the tub please call Diamond Spas at (800) 951-7727. Do not place plastic wrap directly on metal. To protect the tub during installation rewrap the tub with felt making sure all metal is covered.

Make sure the floor is flat and level where the tub will be sitting. Install the drain to the bath according to the manufacture's instructions. Do not connect the trap.

Move the tub into place.

Make sure there is adequate space around access panels or drain areas for a licensed professional to come in and service.

Insert the drain tailpiece into the trap.

Connect the trap to the drain per the faucet manufacturer's instructions.

Install the faucet valves per the faucet manufacturer's instructions.

Open the hot and cold water supplies and fill to overflow checking all connections for leaks.

Fully skirted or self-standing baths do not need to be secured to the floor in most instances, however, if you are going to secure the tub DSI suggests using plumbers strap on the underside of the bath on the skirted wall.

Drain hookup must be from the underside of all baths. If the bath is on a concrete pad or in an installation site without access from underneath, the client needs to re-evaluate hook up during the design phase prior to approvals. An access panel can be cut in a full skirted bath to aid in hook up.

Bath Tubs

Care & Maintenance:

Use warm water, a mild detergent and a soft cloth to wipe the surfaces clean and then rinse thoroughly.

NEVER USE ABRASIVE OR CITRUS CLEANERS.

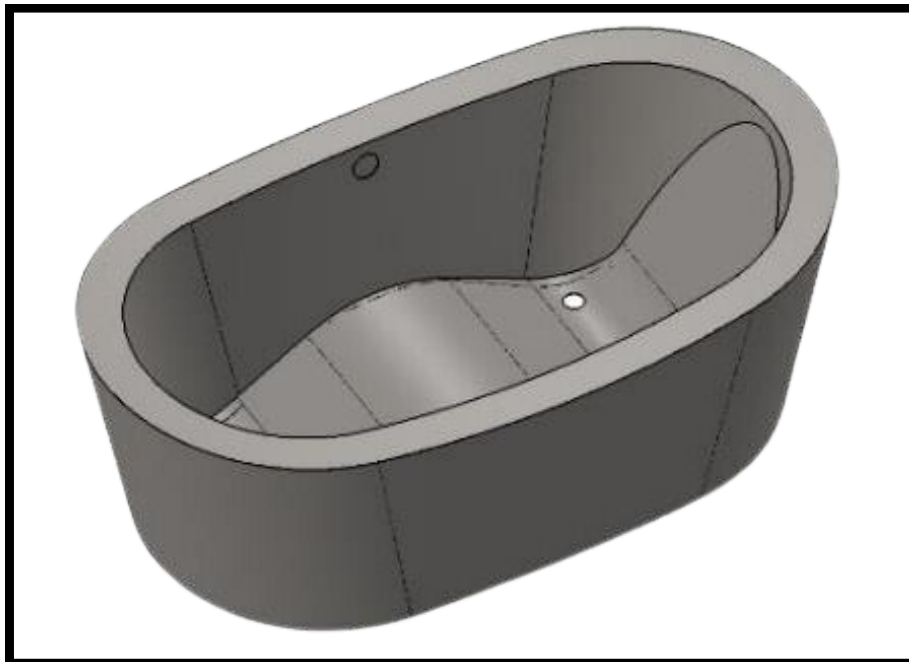
Soap residue and mineral deposits can leave hard water spotting. By cleaning at regular intervals and using the proper cleaning agents you can help retain the finish on your metal soaking tub.

Avoid any metal objects to sit on the metal such as shaving cream cans or razor blades as these will cause rust spots

Stainless Steel: If rust spots occur because of metal objects or scratches in the metal, take a scotch-brite pad and with a medium pressure rub in a circular pattern until the rust or scratch is no longer detectible.

DO NOT USE SCOTCH BRITE PAD ON COPPER PRODUCTS AS THIS WILL TAKE OFF THE PATINA.

Use non water based silicone for all DSI tub, shower and sink installations..



Sinks

Installation:

Drop In & Self Rimming Sinks

Use the basin as your template. Place it upside down and mark the countertop by tracing the edge of the basin. Be sure to allow clearance for faucet and other accessories or fixtures.

Measure inside edge of lip and mark countertop accordingly inside of the first tracing made.

Cut countertop midway in between the two lines.

Temporarily place basin in cut out to verify proper fit.

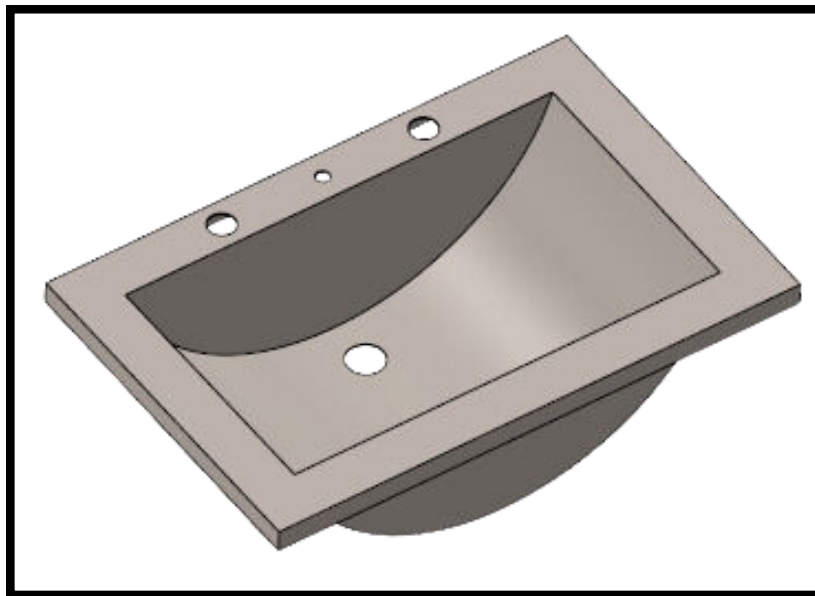
Apply silicone around cut out in countertop and place basin in cut out.

For self rimming profile sinks: Use wood screws from underneath the countertop and screw into wood blocks to adhere/ secure to countertop. Make sure the screws align with the wood blocks. If the screws are not placed properly damage to the sinks may occur.

Use a level to ensure that the basin is sitting level in all directions front to back and side to side while pressing down to seal.

Carefully remove any excess silicone.

Install the drain per the manufacturer's instructions.



Sinks

Installation:

Vessel Sinks

Measure outside perimeter of drain opening and mark countertop.

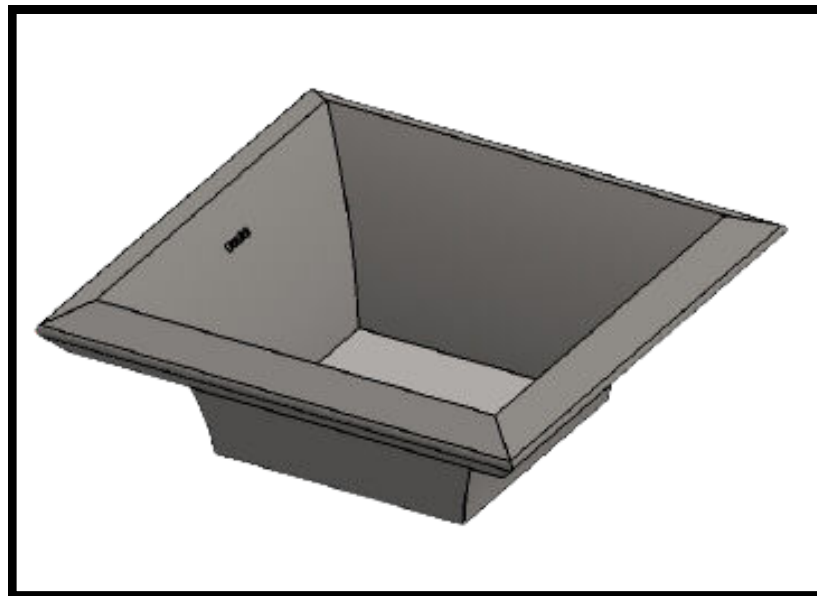
Cut countertop for drain opening.

Place basin on top of countertop and verify that the drain flange sits down inside of countertop so bottom of vessel is flush with countertop.

Use a level to make sure that the basin is sitting level in all directions front to back and side to side. Install the drain per the drain manufacture's installation instructions.

The hold down nut of the drain pipe will secure the basin to the countertop. Depending on the size of the hole in the countertop, a larger washer may also be necessary.

A bead of clear silicone may be used to seal the vessel to the countertop.



Sinks

Installation:

Undermount Sinks

Use the basin as your template. Place it upside down and mark countertop and mark countertop by tracing edge of basin. Be sure to allow clearance for faucet and other accessories or fixtures.

Measure inside edge of lip and mark countertop accordingly inside of the first line.
Cut countertop on inside line.

Temporarily place basin in cut out to verify proper fit.

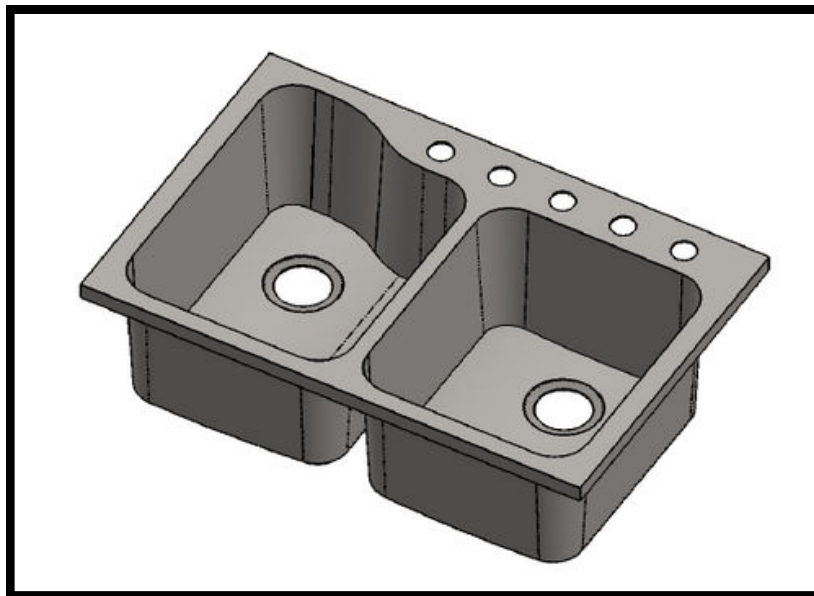
Apply silicone around hole in underside of countertop and position basin.

Use a level to ensure that the basin is sitting level in all directions front to back and side to side while pressing down to seal.

Mounting clip fasteners may be used to secure basin under countertop if desired or rail systems.

Carefully remove any excess silicone.

Install the drain per the drain manufacture's installation instructions.



Sinks

Installation:

Apron Sinks

Make a template and cutout. For built up mount, cut countertop along the outside line of the basin profile.

After centering the basin and allowing for faucets, handles and backsplashes, use a pencil to outline the basin as you guide for the cutout allowing any reveal before the actual cutting.

Depending on the installation type, make proper cutout in the countertop.

Create a custom support using 2" x 4" 's that will adequately hold the weight of the sink from underneath.

Place the sink on top of a cabinet or into the cabinet front cutout.

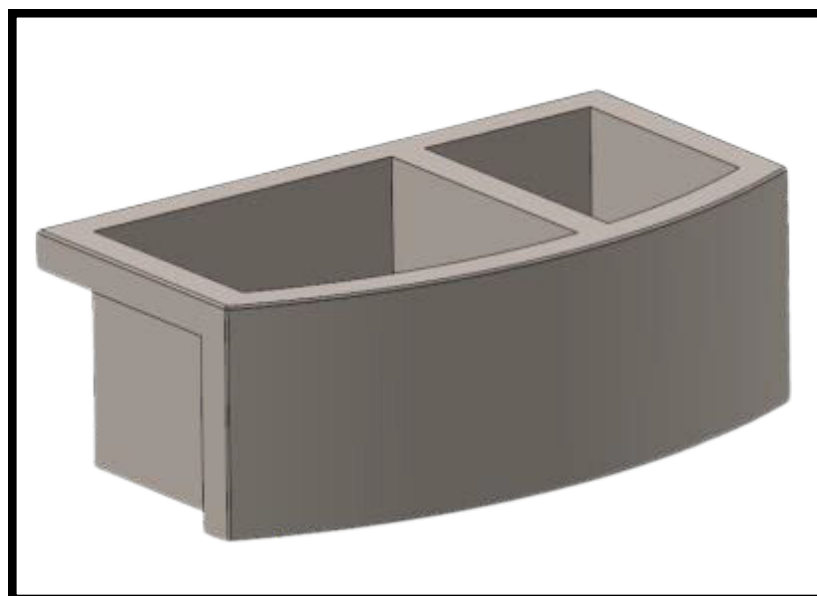
Apply silicone as a gasket between sinks and cabinet.

Apply a bead of silicone around top edge of sink.

Place countertop on the sink, making sure that it is centered properly.

Remove any excess silicone from the lip of the surfaces.

Install the drain per the drain's installation instructions.



Care and Maintenance

Copper Fixtures:

Your Diamond Spas copper sink, bath or shower pan can supply you with a lifetime of beauty and enjoyment. Regular maintenance is necessary to assure the desirable appearance of the metal surface.

Copper is a "living metal" and its appearance will continually change over time as it reacts to its environment. A natural patina process will develop leaving a wide range of colors (browns, pinks, and sometimes blues, greens, etc.). Copper will not change evenly. Copper will spot and streak in some instances. For many clients this is exactly what they desire. They like the unpredictable nature of copper and admire its character. Diamond Spas is unable to advise the exact color your product will change to – it simply depends on the environment the product is exposed to.

Perform the following cleaning and maintenance tasks regularly:

For basic cleaning, Diamond Spas recommends using a mild detergent and damp, clean cloth. Make sure the detergents do not contain acidic, chlorine based, bleach based or abrasive cleaners. These detergents may strip the natural patina from copper and distort your finish. Do not add detergent to pool or spa water or it may cause foaming. Thoroughly rinse the area with a clean damp cloth and dry with a soft dry clean cloth. Areas such as the water line and the Hydrosipa ledge are where contaminants are likely to collect. Cleaning these areas regularly is necessary to maintain the finish of the Hydrosipa. Never use products that are acidic, chlorine-based or abrasive cleaners. Never use products such as Windex or any ammonia-based product.

Care and Maintenance

Stainless Steel Fixtures:

Your Diamond Spa stainless steel Hydrospace can supply you with a lifetime of beauty and enjoyment. However, stainless steel does require maintenance. These steps are easy to carry out, and if performed regularly as scheduled, problems will be minimal. It is important that the following procedures be read through and carried out on a regular basis for the best, long-term, overall performance of your Hydrospace.

Stainless steel corrosion resistance lies within a thin, transparent, tightly adhering chromium oxide film that forms on the metal's surface. When this film is damaged, it will re-form with time as long as oxygen is present. If the surface becomes contaminated with dirt or grease which prevents the oxygen from contacting the metal, corrosion (rusting) may occur. Therefore, it is necessary to keep the surface clean.

For basic cleaning, Diamond Spas recommends using a non-ammonia glass cleaner. Ammonia will damage the finish of the metal. Isopropyl alcohol may also be used. Use extra care when cleaning with any product such as Isopropyl alcohol; these volatile compounds produce fumes that can be irritating to eyes and skin and are also highly flammable. Read and follow all precautionary instructions when using these products for cleaning.

For routine cleaning, use a clean, soft cloth. For tough spots, clean area with a 3M Scotch Brite maroon-color pad #7447 and water. **Do not use the green Scotch Brite product.** Using the Scotch Brite pad, work in a circular motion progressing from light to medium pressure. Thoroughly rinse the area with clean water or clean with a non-ammonia glass cleaner and dry with a soft, clean cloth.

Geberit Installation

150.165
150.156
150.157
150.158

Geberit Bath Waste and Overflow Installation Instructions Instrucciones para la instalación de cañería de desagüe y rebosadero para baño Geberit Directives d'Installation pour eaux usées et trop-plein de bain de Geberit

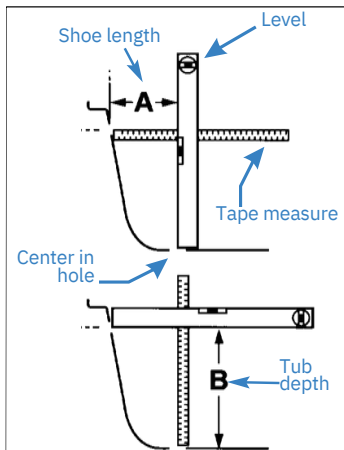
■ GEBERIT

NOTE: Do not detach cable

ATENCION: No separe el cable

NOTE: Ne détachez pas le cable

1



A = Measure distance from center of drain hole to center of overflow hole.

B = Measure height from center of drain hole to center of overflow hole.

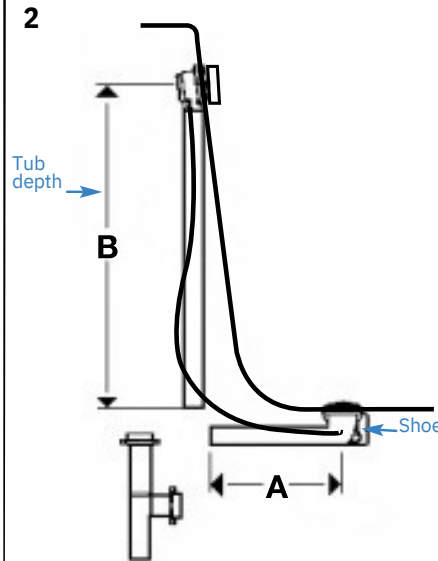
A = de la medida del centro del agujero de dren al centro del desbordamiento.

B = de la medida del centro del agujero de dren al centro del agujero del desbordamiento.

A = Mesurez la distance du centre du trou de drain au centre du trou de trop-plein.

B = Mesurez la hauteur du centre du trou de drain au centre du trou de trop-plein.

2



Check dimensions A & B by dry mounting to tub prior to installation.

If required, cut polypropylene tubing to length.

Controle las dimensiones A y B por el montaje seco a la tina antes de la instalación.
Contrôlez les dimensions A et B avec le support de la poignée avant l'installation.

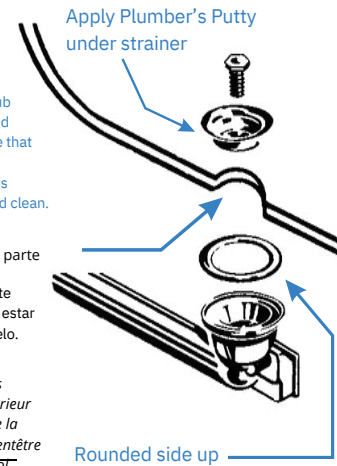
3

Ensure strainer is level & flush with tub surface

NOTE: Top of tub MUST be ground parallel. Ensure that sealing surface on tub bottom is smooth, flat and clean.

ATENCION: La parte laminada de la tubería y la parte interior DEBEN estar paralelas al suelo.

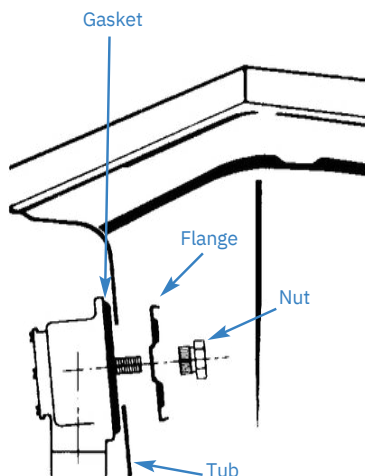
NOTE: Les côtés laminés à l'intérieur et l'extérieur de la baignoire doivent être parallèles au sol.



Mount Drain to tub with supplied drain screw.

Monte el Desaguadero a la tina con el tornillo suministrado del desaguadero.
Monter l'Egout au baquet avec la vis d'égout fournie.

4

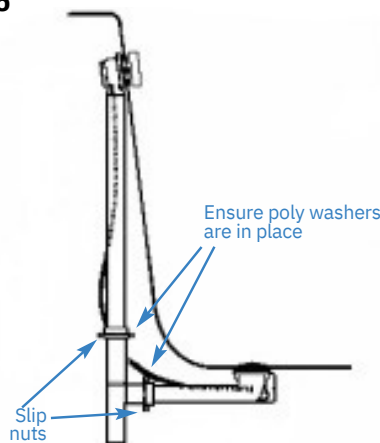


NOTE: Hand tighten until all connections are made.

Mount overflow to tub.

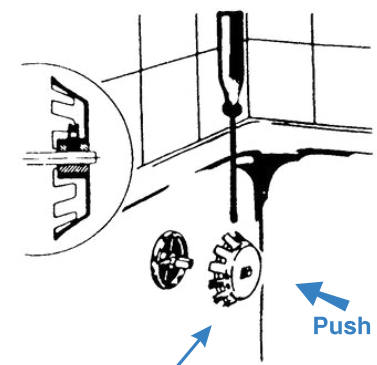
Monte el rebosadero en la tubería.
Montez le trop-plein à la baignoire.

5



Connect with tee and hand tighten slip-nuts. Align shoe & overflow and tighten firmly. Conecte con la te y la mano aprieta nueces de tropiezo. Alinee zapato & la capacidad excesiva y apriete firmemente. Connecte avec tee et main resserre erreur-noix. Aligner le soulier & le surplus et resserre fermement.

6 **Molded handles only**



NOTE: Make sure adaptor fingers face tub wall

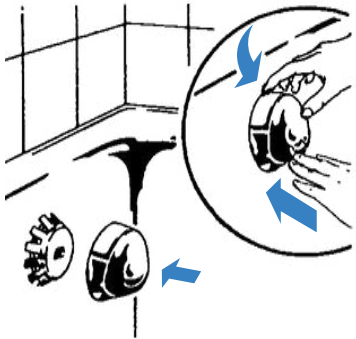
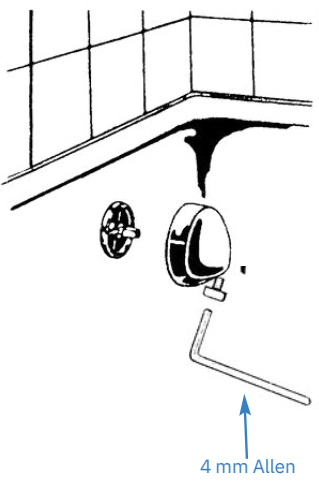
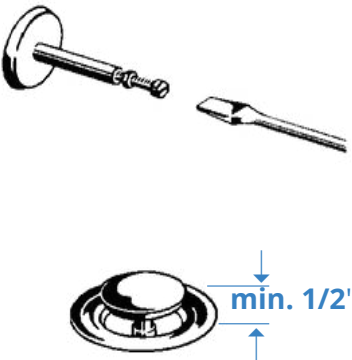
ATENCION: Se cerciora de la pared de la tina de la cara de los dedos del adaptor

NOTE: S'assurent le mur de baquet de visage de doigts d'adaptateur

Mount handle adaptor.

Monte el adaptador de la manija.
Montez l'adaptateur de poignée.

Geberit Installation

6a Molded handles only  Snap turn handle onto handle adaptor. El asidero repentino de la vuelta en adaptador de asidero. <i>Claquer la poignée de virage sur l'adaptateur de poignée.</i>	7 Solid Brass Handles  Tighten screw via the access hole in handle. Apriete el tornillo vía el hoyo de acceso en el asidero. <i>Resserrer la vis via le trou d'accès dans la poignée.</i>	8 NOTE: Hex nut to be flush against flat spot on shaft.  Set plunger to recommended min. 1/2" opening, adjust as necessary. Ajuste el tapon hasta una abertura min 1/2". <i>Ajustez le pop-up à un minimum d'ouverture de 1/2 pouce.</i>
To operate drain, simply turn handle 1/8 turn (clockwise opens, counter-clockwise closes).		

LIMITED LIFETIME WARRANTY

Limited Lifetime Warranty. Geberit warrants that the mechanism and drain assembly on its bath waste and overflow shall be free from defective material and workmanship for the life of the product. Geberit will either replace or repair the defective equipment or refund the purchase price, at its option, if an inspection by Geberit or its authorized representative discloses any manufacturing defects in material or workmanship during this period. Geberit will not be liable for any labor or other expenses not specifically stated above, and disclaims any responsibility for incidental or consequential damages. Warranties implied by law, including that of merchantability, are expressly limited to the period of this warranty. This limitation and exclusion does not apply in those states that do not allow limitations on the duration of implied warranties or the exclusion or limitation of incidental or consequential damage. Therefore, this limitation and exclusion may not apply to you. This warranty gives you specific legal rights and you may have other rights which vary from state to state.



Geberit Installation

Geberit 1 1/2" Tubular Bath Waste and Overflow Replacement Parts.

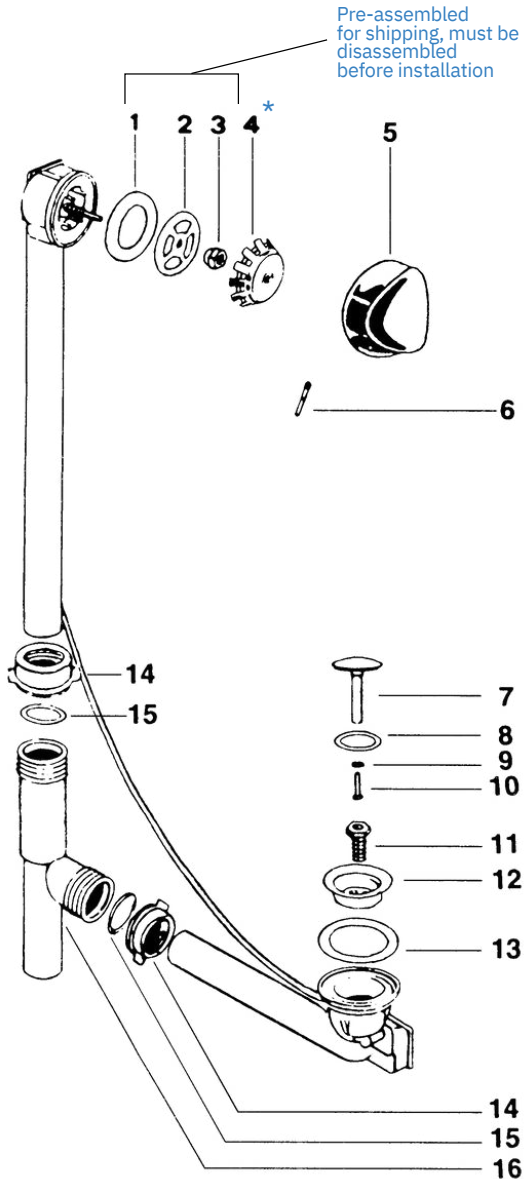
Piezas de repuesto para la cañería de desagüe y rebosadero para baño.

Geberit/Trop-Plein Geberit Pour Bains, Pièces détachées.

Parts for 1 1/2" Tubular BWO Series

Piezas de tubería de la serie BWO

Pièces pour Trop-Plein tubulaire 1



NOTE: * Part not required with Brass Handle No. 240.702

Atencion: * Pieza no necesaria con la manija de bronce No. 240.702

Note: * Piece non nécessaire pour Nr. 240.702

Number Numéro	Part Number Pieza Numero No de pièce	Description/Descripción
1	893.601.00.0	Gasket/ Junta / Joint
2	886.189.00.0	Flange/ Reborde / Bride de tamis
3	886.401.00.0	Nut/ Tuerca / Écrou
4	860.366.00.0	Handle Adapter Adaptador de manija Adaptateur de poignée Turn Handle, Molded Manija giraatoria, Moldeó Poignée, Moulé
5	886.005.YY.0 240.702.XX.1	Turn Handle, Solid Brass Manija giraatoria, El latón sólido Poignée, Cuivre solide Set Screw, Molded Handle Tornillo de presión, Manija moldeada
6	860.354.00.0 860.111.00.0	Vis de réglage, poignée moulée Set Screw, Solid Brass Handle Tornillo de presión, manija de cobre amarillo sólida Vis de réglage, poignée en laiton pleine
7	240.703.YY.1 888.466.XX.0	Plunger, Molded El émbolo, Moldeó Plunger, Moulé Plunger, Solid Brass El émbolo, El latón sólido Plunger, Cuivre solide
8	905.448.00.	O-Ring/ Aro / Joint
9	0	Hex Nut/ Tuerca Hex / Écrou
10	905.039.00.	Screw/ Tornillo / Vis
11	0 905.550.00. 0	Drain Screw Tornillo delsumadero Vis de drain
1	886.011.22.0 888.128.XX.0	Strainer/ Filtro / Panier
2	893.601.00.0	Gasket/ Junta / Joint
1	860.009.11.0	Slip Nut
3		Tuerca del resbalón Écrou de glissade
1		Poly Washer/ Arancela / Rondelle
4	860.008.93.0	Polypropylene Tee
5	860.007.11.0	Tubería en forma de T "T" en PVC
1		
6		

Geberit Installation

Troubleshooting

Drain leaks around plunger	— Check plunger O-ring for cuts or nicks. — Check that strainer flange is level. — Check plunger screw adjustment. — Check tub surfaces. Ensure that they are smooth, flat, and clean.
Leaks around strainer flange	— Check that strainer flange is level & flush with tub surface. — Check that plumber's putty is applied evenly.
Water closes plunger when draining	— Wrong size drain. — Cable too long. — Secure cable to overflow neck. Recommend using cable tie (not provided).

Localización de averías

Drene los escapes alrededor del émbolo.	— Controle el anillo o alrededor del émbolo. — Controle que el borde del tamiz es nivel. — Controle el ajuste del tornillo. — Superficie de la tina del cheque - debe ser liso.
Escapes alrededor del borde del tamiz.	— Controle que el borde del tamiz es nivel y rubor con la superficie de la tina. — Controle que la masilla de la masilla o del fontanero está aplicada uniformemente.
El agua cierra el émbolo al drenar.	— Dren incorrecto de la talla. — Cable demasiado de largo. — Cable de la paréntesis al cuello de desbordamiento. Recomiende el usar de la atadura de cables (no proporcionada)

Dépannage

Videz les fuites autour du bouchon.	— Contrôlez la bague autour du bouchon. — Vérifiez que la bride de tamis est au niveau. — Contrôlez le réglage de la vis. — Vérifiez la surface du bain — doit être lisse.
Fuites autour de la bride de tamis.	— Vérifiez que la bride de tamis est au niveau et au même niveau que le bain. — Vérifiez que le mastic de Geberit ou du plombier est appliqué également.
L'eau ferme le plongeur en se vidant.	— Erreur dans la dimension du drain. — Le câble est trop long. — Attachez le câble au trop-plein avec un serre-câble. Recommandez d'aide du serre-câble (non fourni).

Geberit Manufacturing, Inc. 1100 Boone Dr., Michigan City, IN 46360
 U.S.: Phone 219.879.4466 • Toll-Free 800.225.7217 • Fax 219.872.8003
 Canada: Inquiries in Quebec: Toll-Free 866.748.4646 • Fax 514.648.8509
 Inquiries in English: Toll-Free 800.225.7217 • Fax 219.872.8003
www.us.geberit.com

 **GEBERIT**[®]
 Advanced plumbing technology

Umbrella Spec Information

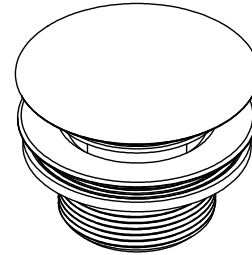


Tub Drain Trim

9239 Umbrella Toe-activated Tub Drain

Features

- Over 30 finishes including 11 PVD finishes
- Brass construction strainer & cap
- Toe activated open/close operation
- Surface is foot friendly
- Removeable components for easy cleaning
- Large openings in strainer for quicker draining
- Gasket to seal between tub & waste shoe
- Fits standard 1 1/2" course threaded waste shoe



Codes/Standards Applicable

Specified model meets or exceeds the following:
•ASME A112.18.2-2005/CSA B125.2-05

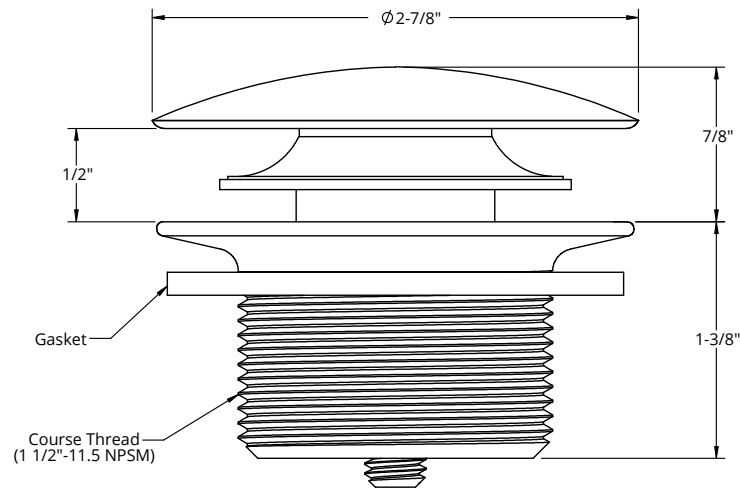
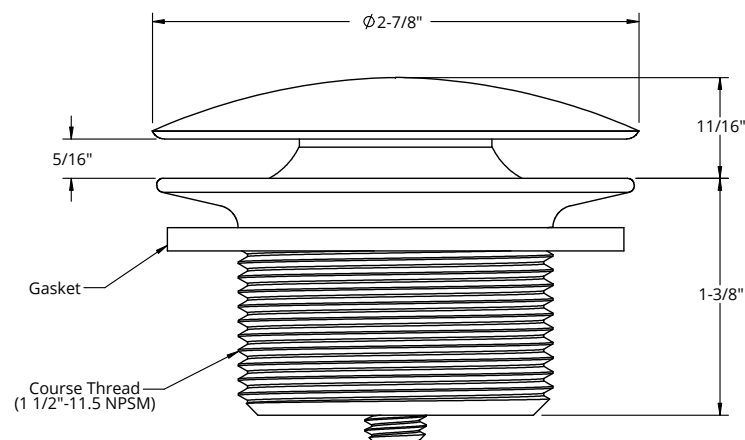


Figure 1. Drain in **OPEN** position

Figure 2. Drain in **CLOSED** position

Dimensions Shown to Nearest 1/16"





Rough In Kit for Umbrella Drains

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Buy it for looks. Buy it for life.®

Order by Part Number

Illustrated Parts

M•PACT® Rough-In Kit

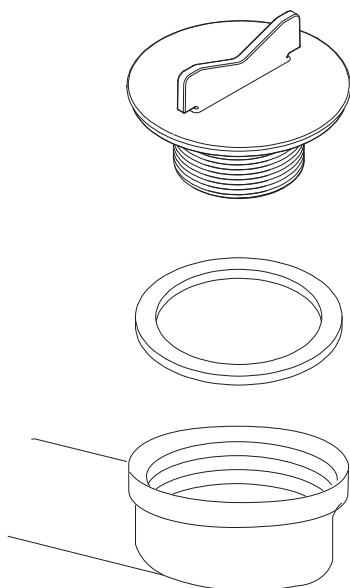
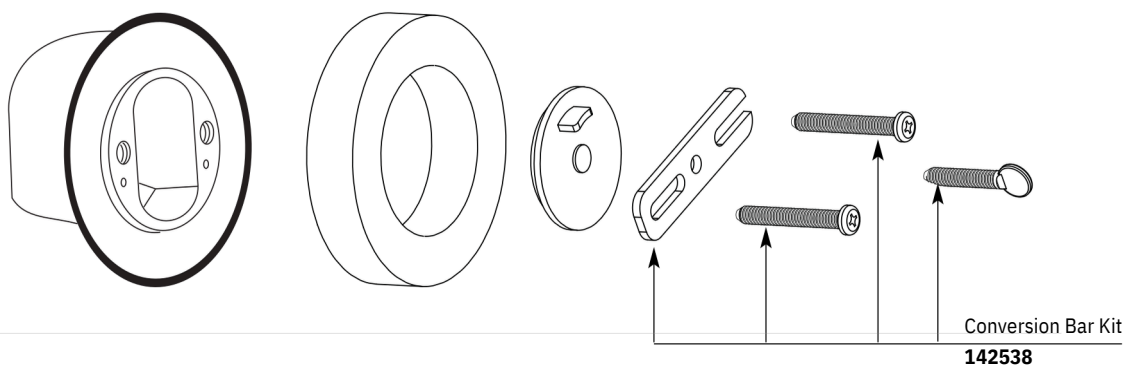
MODEL

140680

Schedule 40 ABS

140690

Schedule 40PVC



TO ORDER PARTS CALL: 1-800-BUY-MOEN
www.moen.com