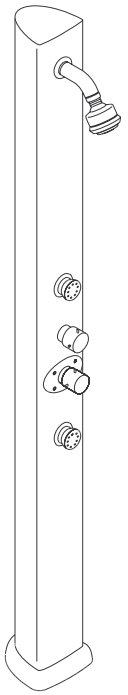
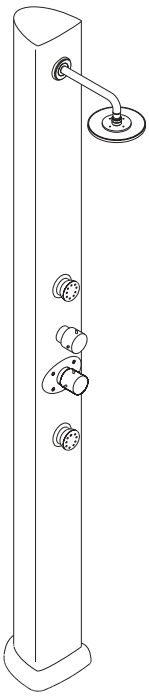
Installation instructions

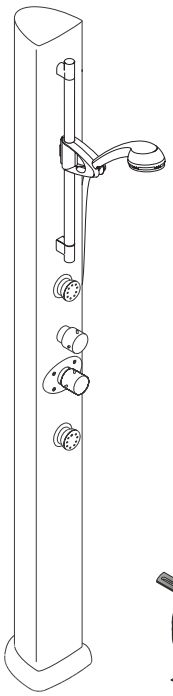
Shower Column



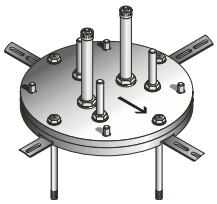
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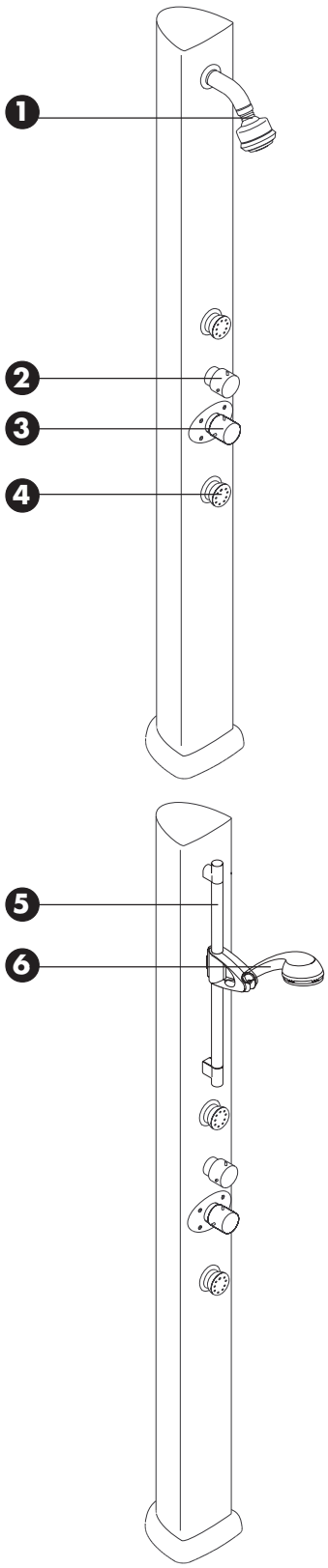
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29805181

PHÂRO®

hansgrohe



Deutsch

1. Kopfbrause
2. Umstellung mit Absperrventil
3. Thermostatgriff
4. Seitenbrause rubit®
5. Brausestange
6. Handbrause

English

1. Overhead shower
2. Diverter with on/off cntrol
3. Thermostat handle
4. Body shower rubit®
5. Shower bar
6. Hand shower

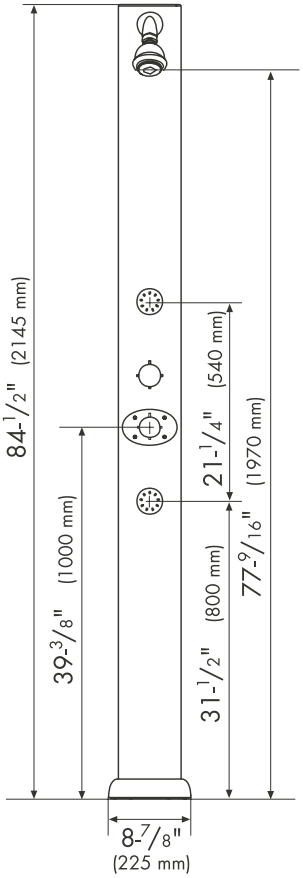
Français

1. Douche de tête
2. Inverseur avec robinet d'arrêt
3. Poignée thermostatique
4. Douche laterale rubit®
5. Barre de douche
6. Douche à main

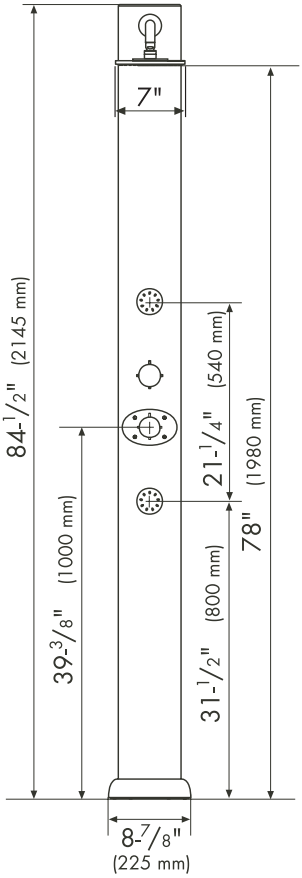
Español

1. Ducha fija
2. Conmutación con válvula de cierre
3. Mando termostático
4. Ducha lateral rubit®
5. Barra de ducha
6. Teleducha

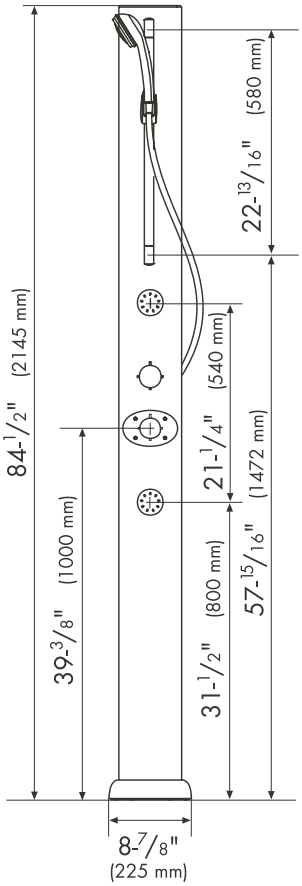
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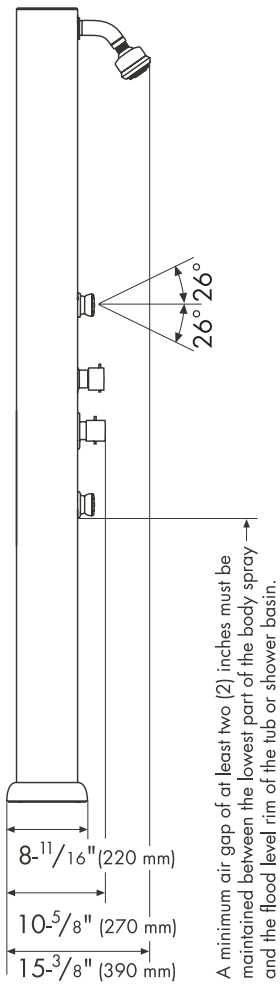


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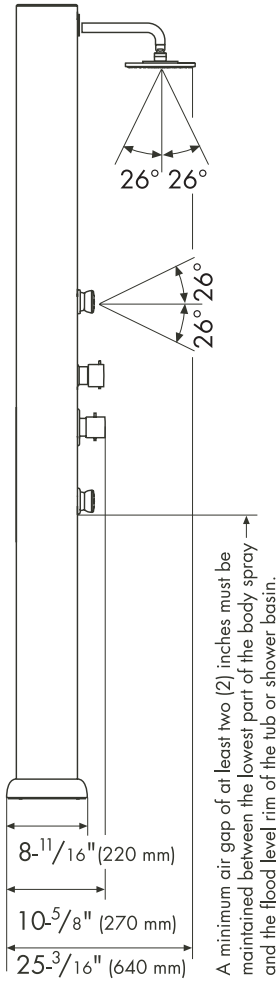


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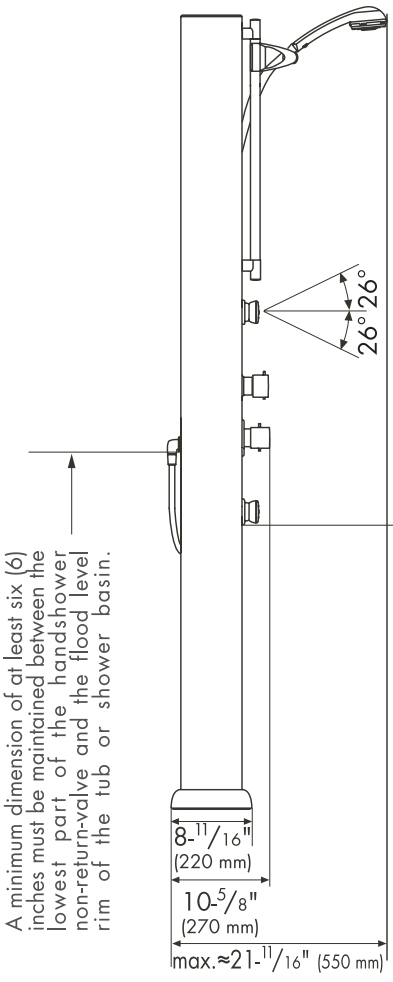


A minimum air gap of at least two (2) inches must be maintained between the lowest part of the body spray and the flood level rim of the tub or shower basin.



A minimum air gap of at least two (2) inches must be maintained between the lowest part of the body spray and the flood level rim of the tub or shower basin.

A minimum dimension of at least six (6) inches must be maintained between the lowest part of the handshower non-return-valve and the flood level rim of the tub or shower basin.



A minimum air gap of at least two (2) inches must be maintained between the lowest part of the body spray and the flood level rim of the tub or shower basin.

Deutsch

Technische Daten

Mindestfließdruck:	44 PSI	3 bar
Betriebsdruck:	max. 145 PSI*	max. 10 bar*
Empfohlener Betriebsdruck:	44 – 72 PSI	3 - 5 bar
Prüfdruck:	145 PSI	10 bar
Heißwassertemperatur:	max. 140 °F*	max. 60 °C*
Empfohlene Heißwassertemperatur:	140 °F*	60 °C*
Temperaturskala:	68 – 140 °F*	20 – 60 °C*
Sicherheitssperre:	100 °F	38 °C

English

Specifications

Minimum working pressure:	44 PSI	3 bar
Working pressure:	max. 145 PSI*	max. 10 bar*
Recommended working pressure:	44 – 72 PSI	3 - 5 bar
Test pressure:	145 PSI	10 bar
Hot water temperature:	max. 140 °F*	max. 60 °C*
Recommended hot water temperature:	140 °F*	60 °C*
Temperature Scale	68 – 140 °F*	20 – 60 °C*
Safety Stop	100 °F	38 °C

Français

Données techniques

Pression minimum nécessaire :	44 PSI	3 bar
Pression de service autorisée :	max. 145 PSI*	max. 10 bar*
Pression de service conseillée :	44 – 72 PSI	3 - 5 bar
Pression testée :	145 PSI	10 bar
Température eau chaude :	max. 140 °F*	max. 60 °C*
Température recommandée :	140 °F*	60 °C*
Plage de température :	68 – 140 °F*	20 – 60 °C*
Butée de sécurité :	100 °F	38 °C

Español

Datos técnicos

Presión minima en servicio:	44 PSI	3 bar
Presión en servicio:	máx. 145 PSI*	máx. 10 bar*
Presión recomendada en servicio:	44 – 72 PSI	3 - 5 bar
Presión de prueba:	145 PSI	10 bar
Temperatura de agua caliente:	máx. 140 °F*	máx. 60 °C*
Temperatura recomendada del agua caliente:	140 °F*	60 °C*
Escala de temperatura (26345)	68 – 140 °F*	20 – 60 °C*
Tope de seguridad (26345)	100 °F	38 °C

*** Check applicable codes**

The flow rates are limited to 2.5 gpm (9.4 l/min). These are the maximum flow rates permitted by the Energy Act of 1992.

Deutsch

Durchlauferhitzer:
Die Duschsäule kann in Verbindung mit hydraulisch, elektronisch und thermisch gesteuerten Durchlauferhitzern (min. 24 kW) eingesetzt werden, wenn der Fließdruck mindestens 21,75 PSI (1,5 bar) beträgt.
Aufgrund der geringeren Warmwasserleistung des Durchlauferhitzers kann jeweils nur ein Verbraucher verwendet werden.
Die Warmwassertemperatur am Versorgungsanschluß muß min. **4 °F (2 °C)** höher als die gewünschte Mischwassertemperatur sein.

Druckunterschiede
Die Drücke zwischen den Kalt- und Warmwasseranschlüssen müssen ausgeglichen werden.

English

Combi-boilers:
The shower column can be used on hydraulically, electronically or thermostatically driven combi-boilers (min. 24 kW) providing there is at least 21.75 PSI (1.5 bar) pressure.
Due to the flow rate produced by a continuous flow water heater, only one shower can be used at a time. The hot water temperature at source must be at least **4 °F (2 °C)** higher than the desired mixed temperature.

Pressure fluctuations
The pressure between hot and cold water must be balanced. Pressure differences between hot and cold water can cause the thermostatic mixer to operate erractically.

Français

Chauffe-eau instantanés
Le Duschpaneel peut-être utilisé avec un chauffe eau instantané, mais il doit avoir au minimum une puissance de 24 kW. La pression min. doit être de 1,5 bars avant le Duschpaneel.
Attention, si vous avez pour la production d'eau un chauffe- eau instantané, vous ne pouvez utiliser simultanément deux jets différent à la fois. La température au point de puisage doit être au minimum de **4 °F (2 °C)** supérieure à la température d'eau mitigée désirée.

Différence de pression:
Les pressions entre les branchements d'eau chaude et d'eau froide doivent être équilibrées. Indications techniques chauffe-eau instanté, consigne de sécurité.

Español

Calentadores instantáneos:
Los Duschpaneel pueden utilizarse con calentadores instantáneos (min. 24 kW) mandados hidráulicamente, electrónicamente y térmicamente, cuando la presión dinámica no es menor de 21,75 PSI (1,5 bar).
Por el caudal reducido de agua caliente de los calentadores instantáneos solamente puede usarse una ducha a la vez.
La temperatura del agua caliente en la conexión de salida debe superar en la menos **4 °F (2 °C)** la temperatura de la mezcla de agua deseada.

Diferencias de presión
Es necesario compensar las presiones entre las conexiones de agua fría y de agua caliente.

Assembling Column Rough-in

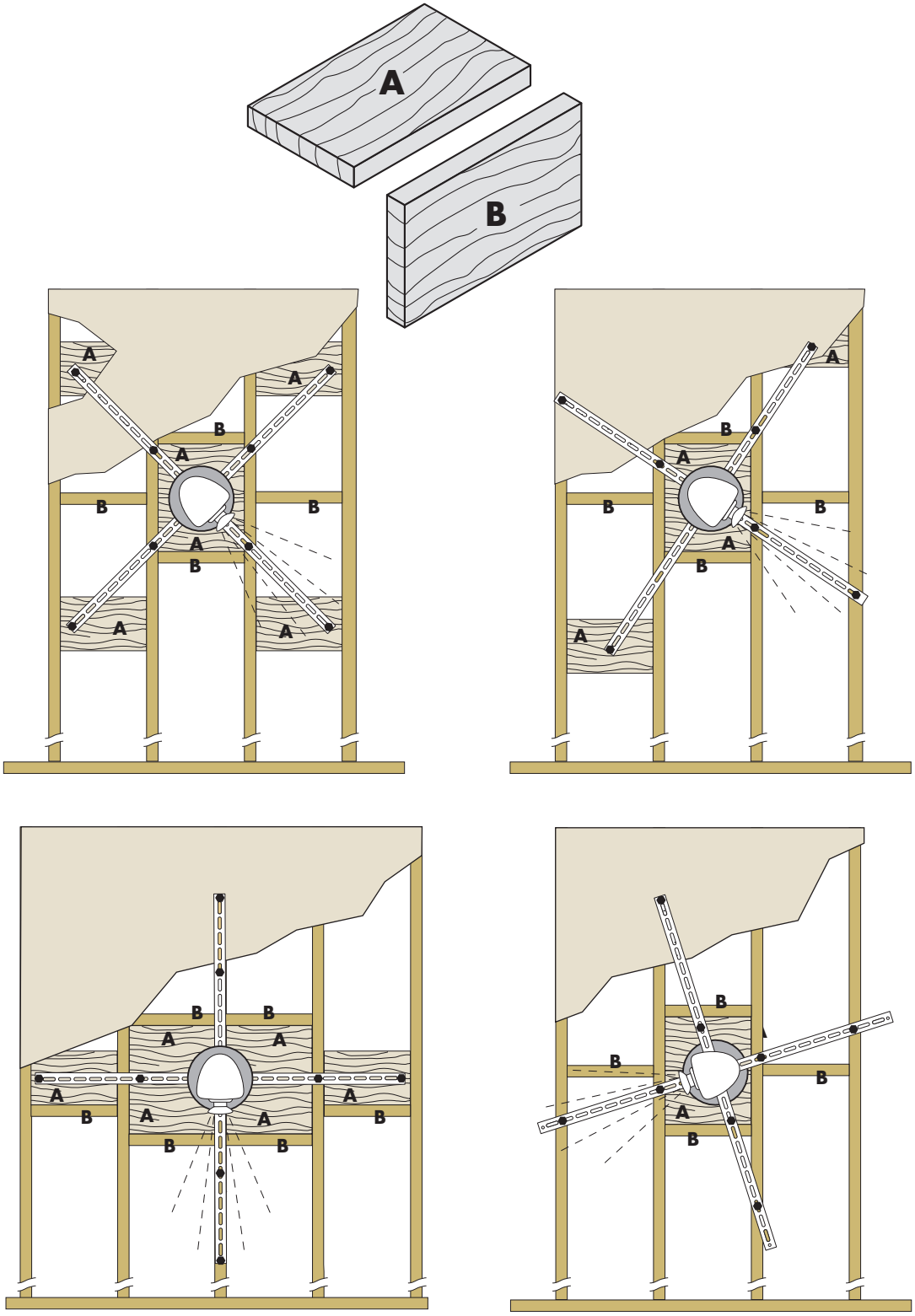
Shown beside are several examples illustrating possible methods for re-enforcing a typical wood flooring system to properly support the Pharo™ shower column. Special considerations may be necessary for column installation on flooring systems that utilize fabricated plywood and composite 'I-beam' construction. In either case, blocking is required to support all flooring members vertically and laterally to enable the flooring system to withstand torsional forces exerted on them should someone lean or push against the shower column.

Notes:

1. Blocking pieces marked with the letter 'A' denote wood blocking placed horizontally between the floor joists with the blocking flush with the TOP of the vertical floor joists and solidly secured to the floor joists. The plywood sub-flooring should be installed directly on the top surface of the horizontal wood blocking and be secured to the blocking.

2. Blocking marked 'B' denotes vertical wood blocking of the same dimensions as the floor joists. Install blocking for lag screw locations for each of the slotted support arms as per illustration.

3. All sub flooring should be securely fastened to the flooring joists in such a manner as to provide a solid foundation for the Pharo™ column mounting assembly.

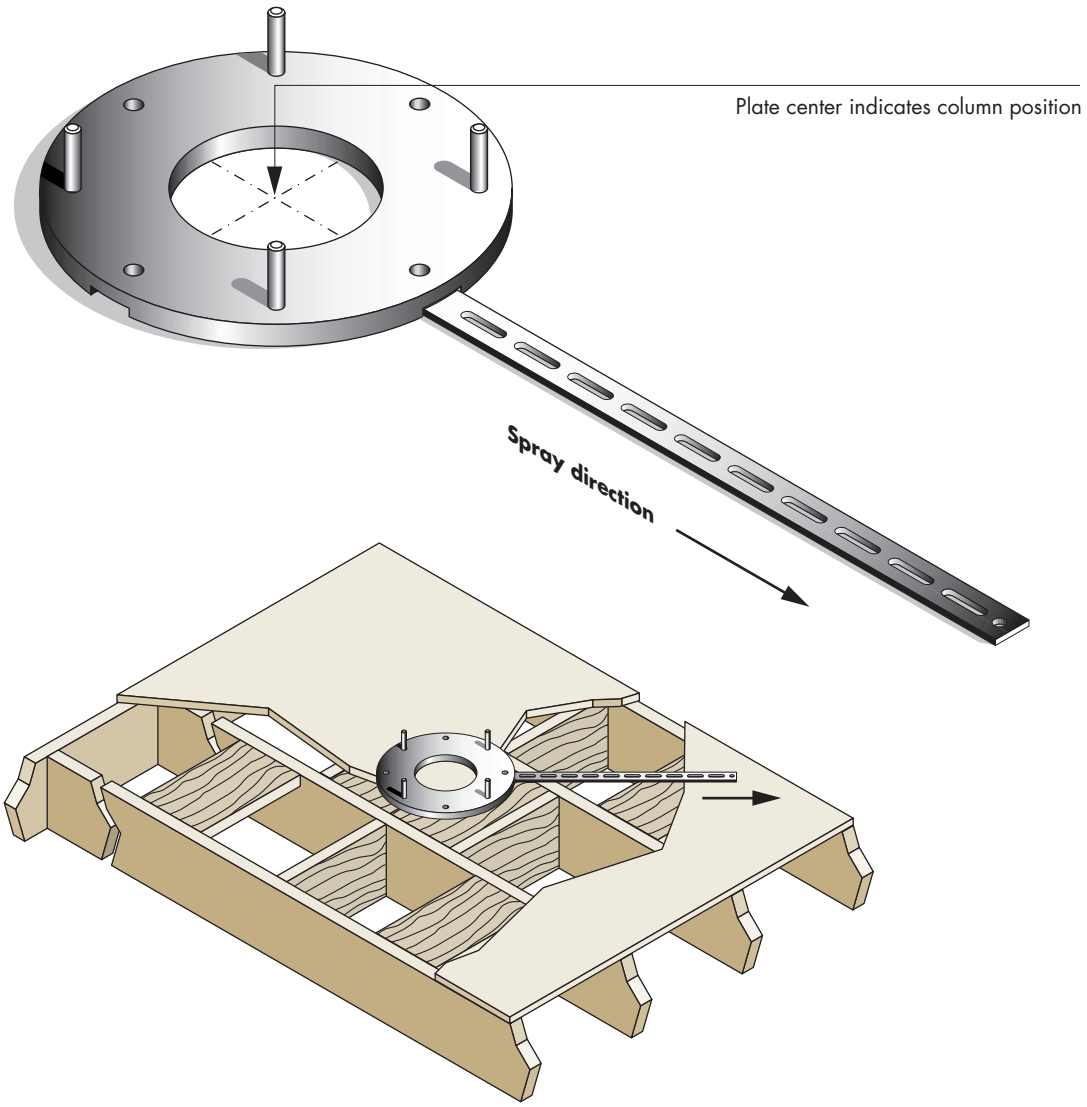


1. Important! Determine the desired spray direction PRIOR to fastening the base plate and support arms to floor. The spray direction will be along the axis of one of the four slotted support arms.

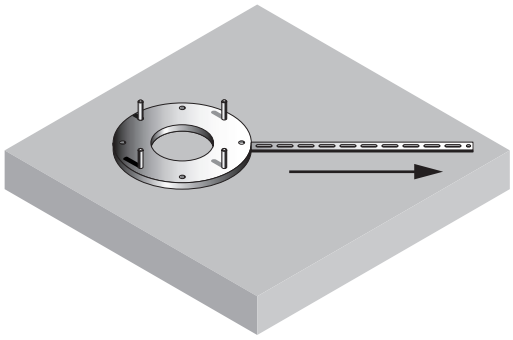
2. Temporarily assemble one of the support arms to the base plate to use as a guide for determining the base plate mounting location.

3. With the arm aimed exactly in the desired spray direction and the base plate centered over the desired column installation location.

4. Ensure that blocking is positioned below all hardware mounting points (see illustrations on page 6).



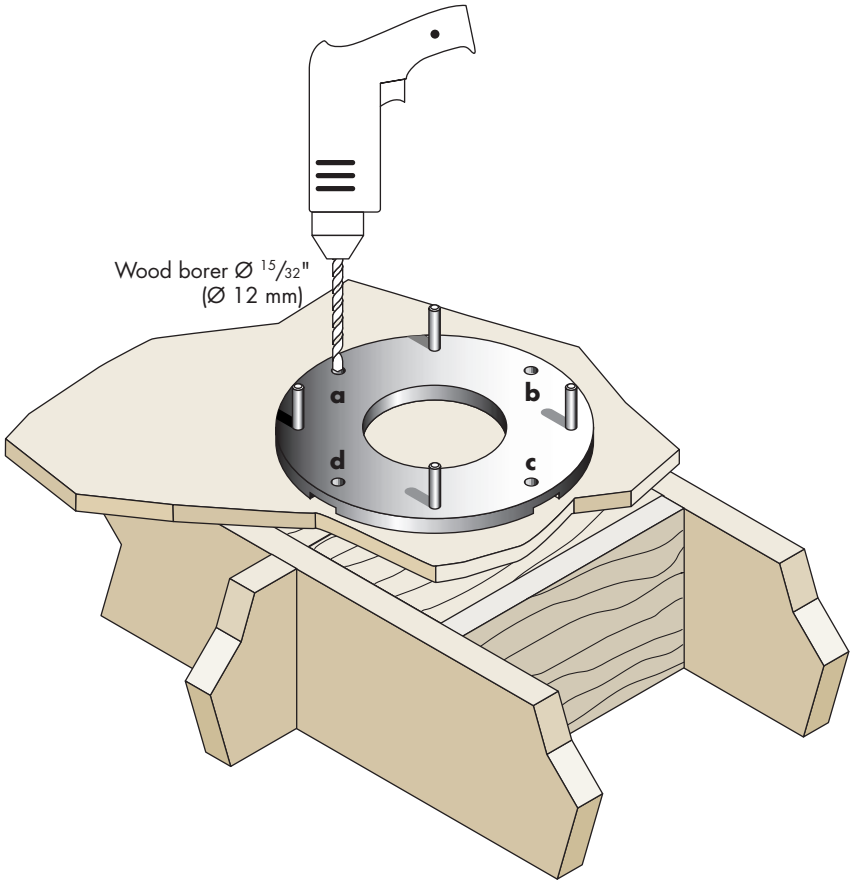
Concrete floor mounting



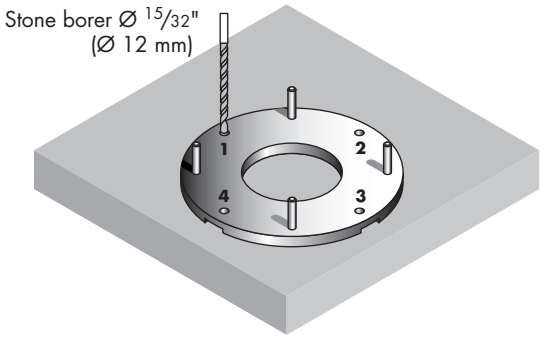
Assembling Column Rough-in

Remove the support arm and drill four $^{15}/_{32}$" (12 mm) holes through sub flooring and horizontal backing pieces.

Using the base plate as a template.



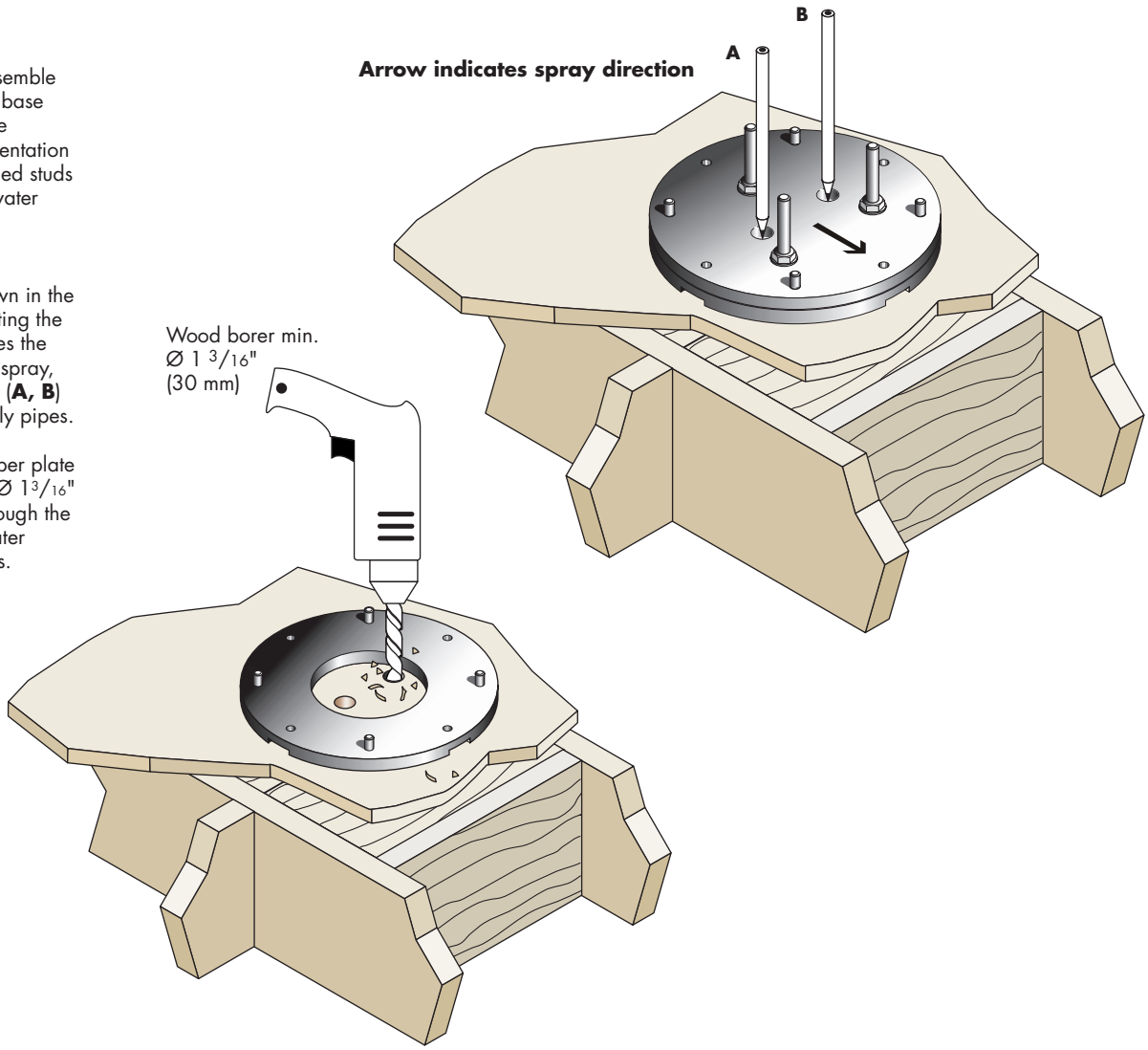
Concrete floor mounting



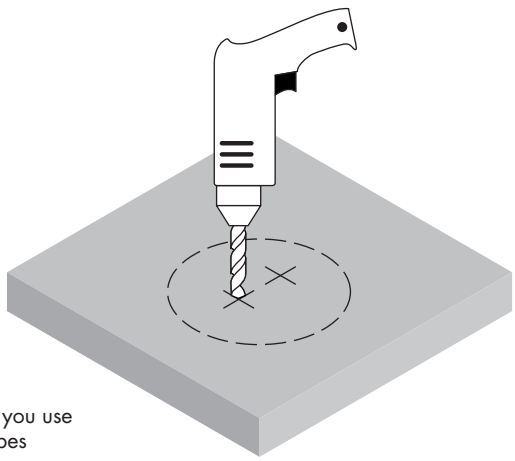
1. Temporarily assemble upper plate to the base plate, paying close attention to the orientation of the three threaded studs in relation to the water supply openings.

2. With the plate positioned as shown in the illustration and noting the arrow that indicates the direction of water spray, mark the locations (**A, B**) for the water supply pipes.

3. Remove the upper plate and drill two min Ø 1 3/16" (30 mm) holes through the flooring for the water supply connections.



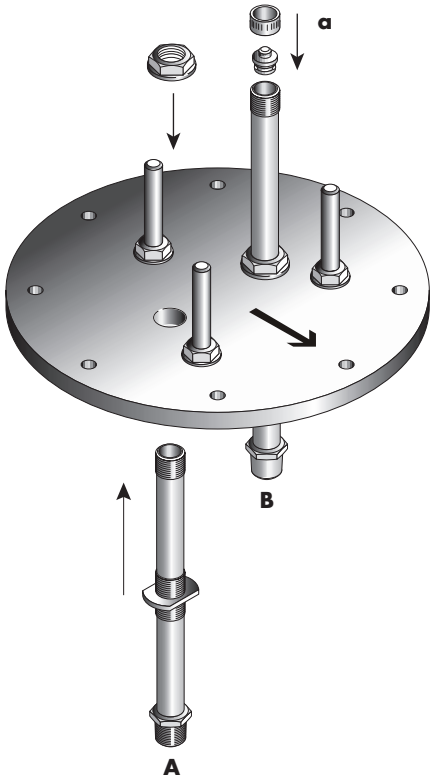
Concrete floor mounting



Ø 1 3/16" – 1 3/4"
(30 – 45 mm)

Ø 1 3/4" (45 mm) if you use added insulating tubes

Assembling Column Rough-in

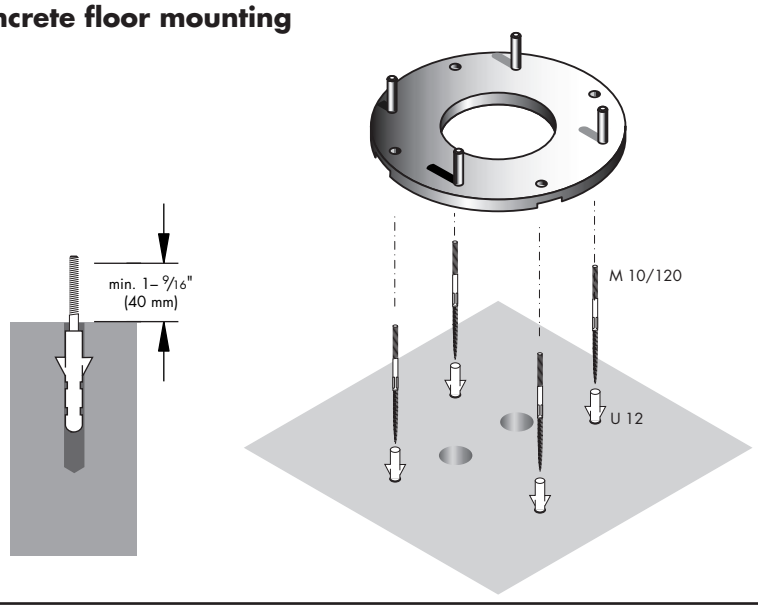


1. Remove hardware from water supply nipples (A, B), apply a small amount of the supplied lubricant to the o-ring seals on the water supply nipples and, assemble them to the upper plate (Take care not to damage the o-ring seals when re-assembling them to the upper plate).

2. Tighten nuts on top of plate.

3. Re-install the nipple plugs **a**

Concrete floor mounting

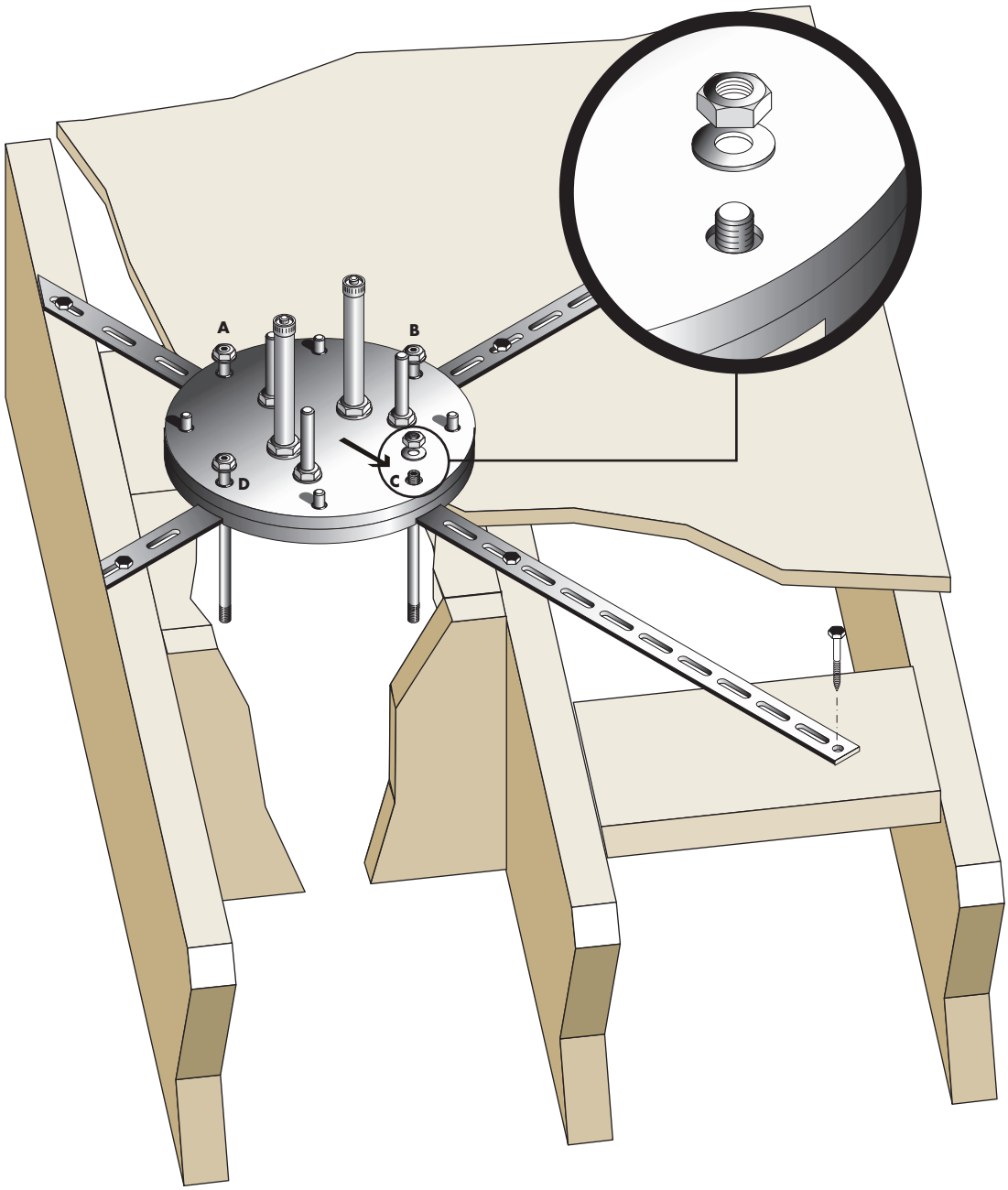


1. Assemble the four slotted support arms into their respective grooves in the base plate.

2. Thread a nut onto each of the four threaded rods and place a flat washer over each.

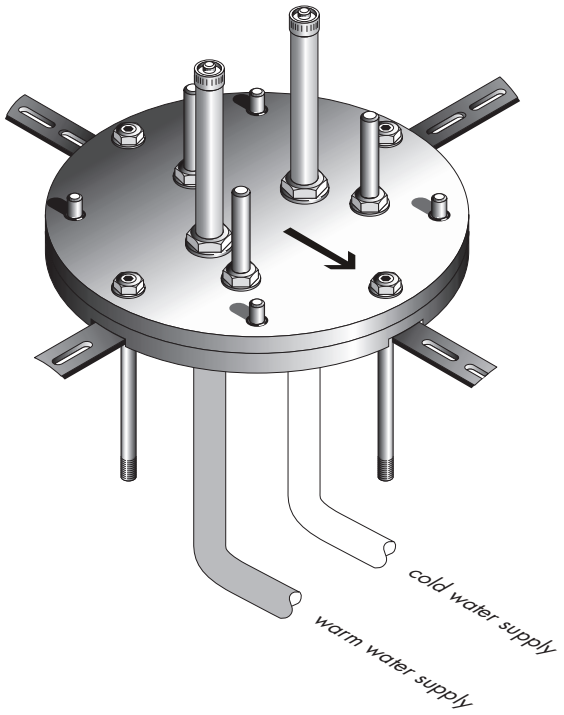
3. Insert the threaded rods from below the floor through the wood blocking and the corresponding holes in the base plate.

4. Bolt the support arms to the floor using the supplied lag screws. There must be at least two lag screws per sup-port arm fastened into wood blocking or directly into a floor joist to properly support the Pharo™ shower column.

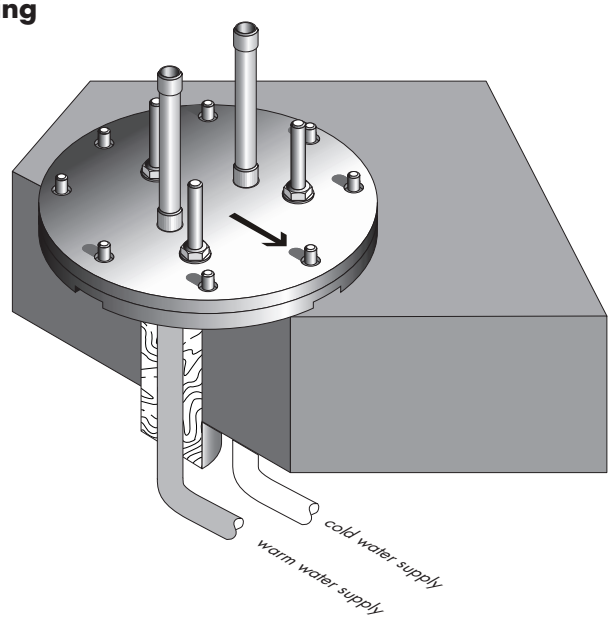


Assembling Column Rough-in

Connect hot and cold water lines to the two water supply nipples and pres-sure test the connections.



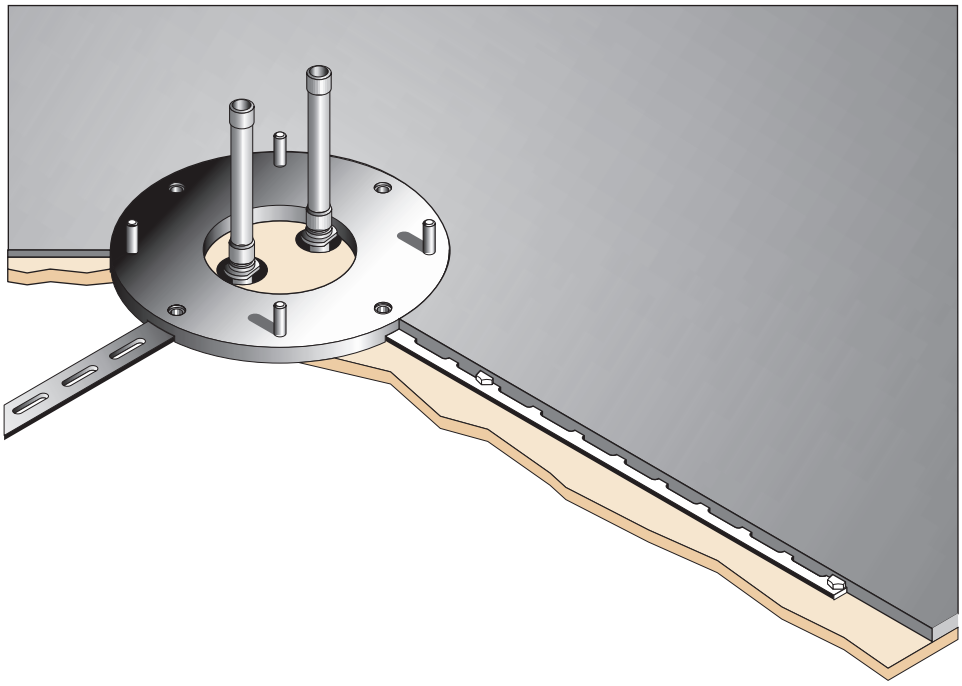
Concrete floor mounting



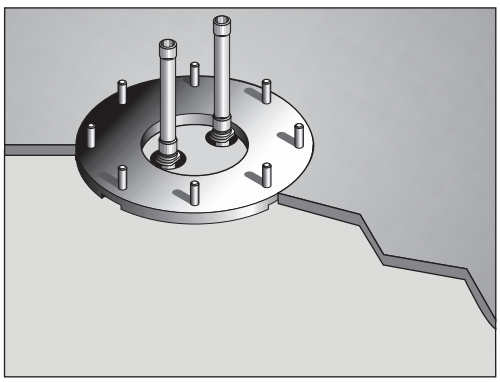
1. Remove hardware from water supply nipples.

2. Take upper plate away

3. Build up floor level with tile mud to top of base plate and slope floor to shower drain location. Take care not to allow tile mud to cure on top of base plate (covering plate with tape will help). Allow tile mud to cure overnight.



Concrete floor mounting



Preparing CPE-Pan

1. If tape was used to protect the base plate, remove it now.

2. Thoroughly clean the top of the base plate and apply a bead of silicone adhesive (make sure the silicone sealant does not contain ethanoic acid) on outer perimeter of the base plate.

3. Place code approved shower pan liner material over base plate assembly.

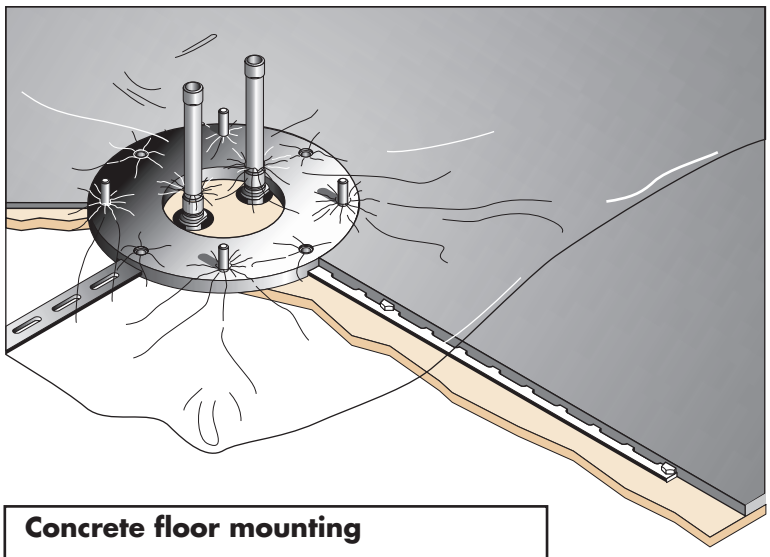
4. Position liner material in shower stall area and, carefully cut holes in the liner material to allow it to slip over the threaded rods/bolts.

5. Mark and cut holes in pan material for the water supply openings.

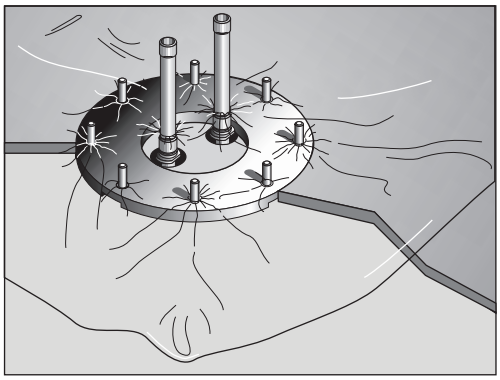
6. Assemble the upper plate to the lower plate, applying a bead of silicone adhesive (make sure the silicone sealant does not contain ethanoic acid) on outer perimeter of the bottom side of the upper plate.

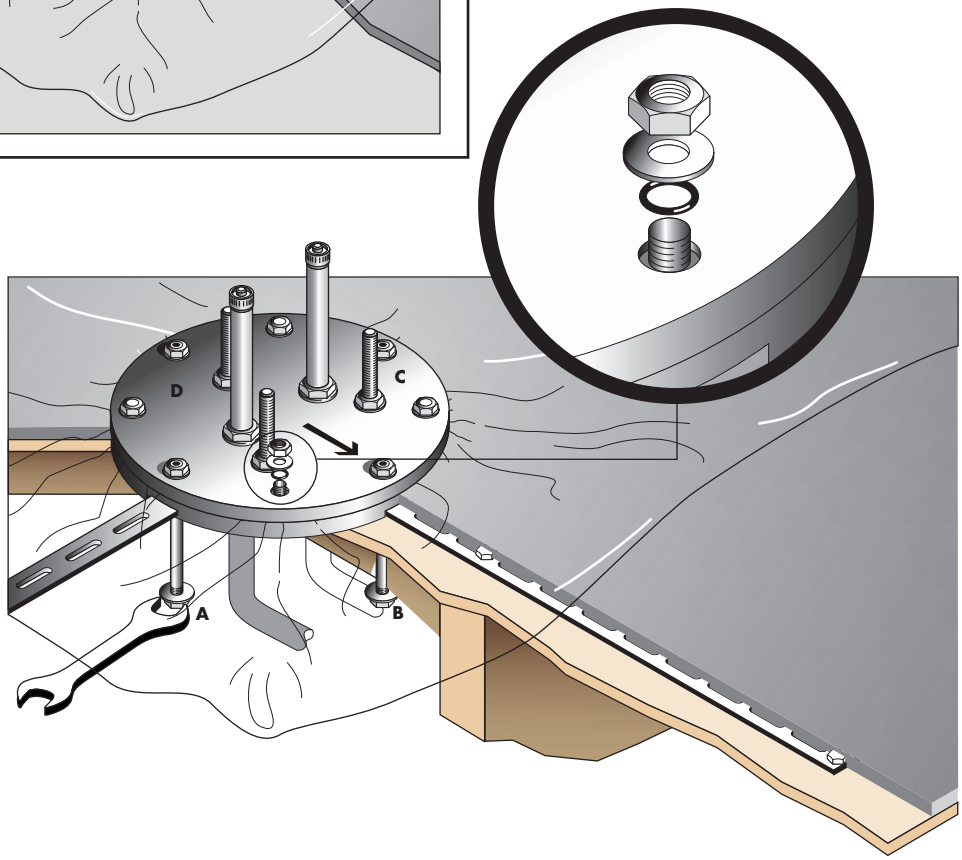
7. Fasten liner material to drain assembly (not supplied) following manufacturers' installation instructions.

8. Complete shower liner installation according to local code requirements



Concrete floor mounting



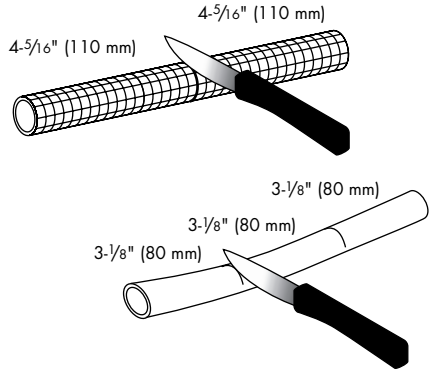


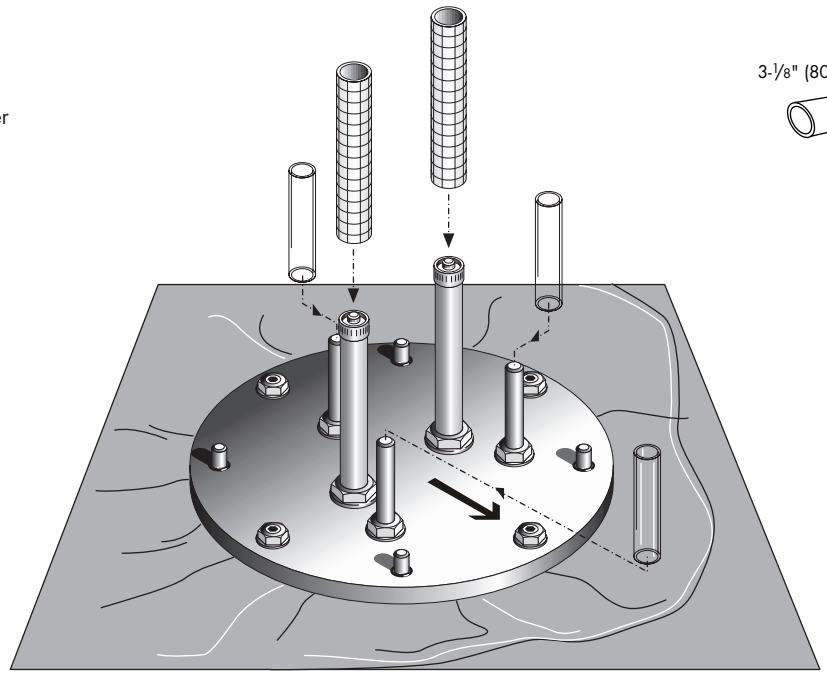
1. Place an o-ring and flat washer over each threaded rod/bolt and hand tighten a nut onto each.

2. Tighten one nut, then tighten the opposite nut on the other side of the plate. Follow this procedure until all nuts habe been tightened securely and evenly.

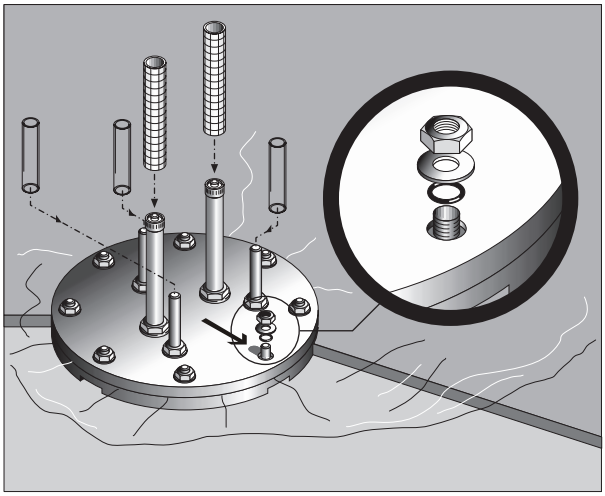
1. Cut the supplied insulating tubes and slip over the three threaded rods and two water supply nipples.

2. Fill the shower stall with at least four inches of water and check for leaks. It is recommended the water test be left on overnight (check local codes).





Concrete floor mounting



Assembling Column Rough-in

1. After finished flooring has been installed, cut off insulation tubing at floor level.

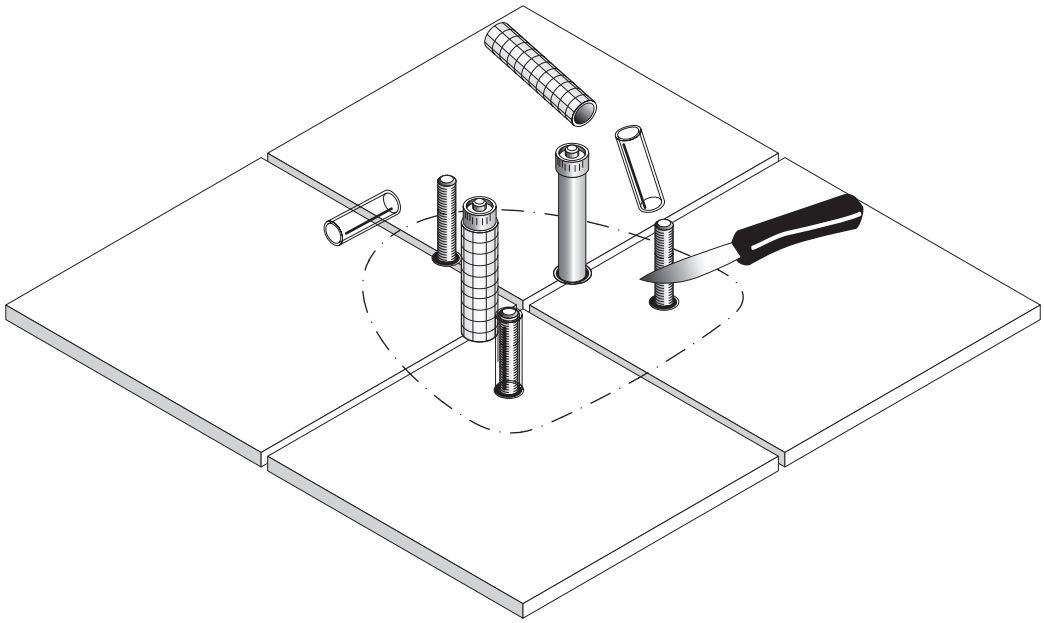
2. Apply silicone sealant around rods and water supply nipples.

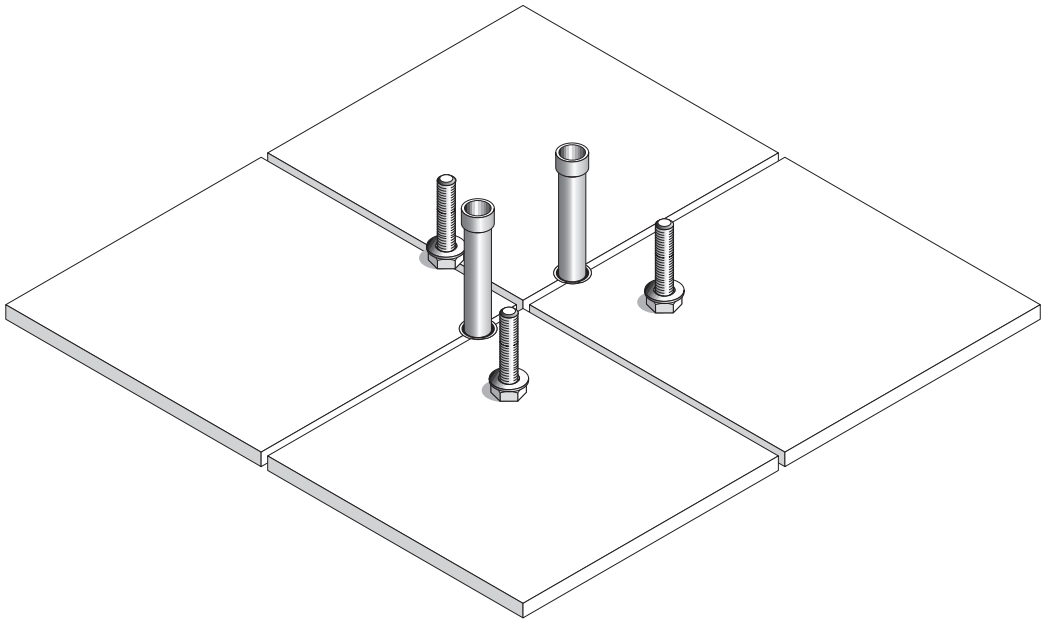
3. Tread a nut over each threaded rod and run it lightly down to the floor level.

4. Place a flat washer over each nut.

5. Turn off water supply to building. Drain down the plumbing system.

6. Remove the nipple plugs from the water supply nipples.





1. Lubricate the inside of each grommet (**A, B**) on the column attachment plate with the supplied lubricant or soapy water.

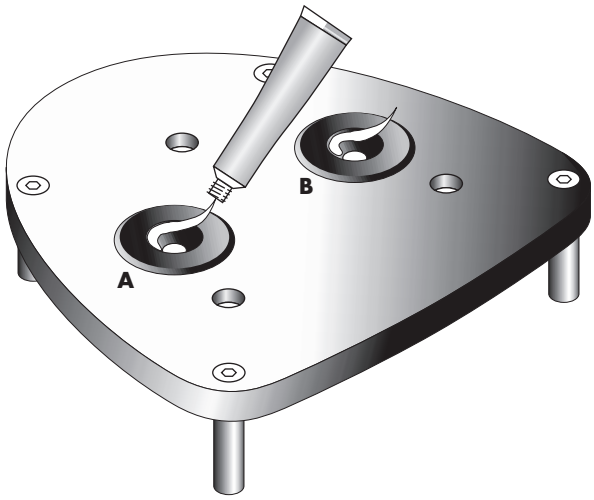
2. Gently work the column attachment plate with rubber sealing grommets down over the two water supply tubes.

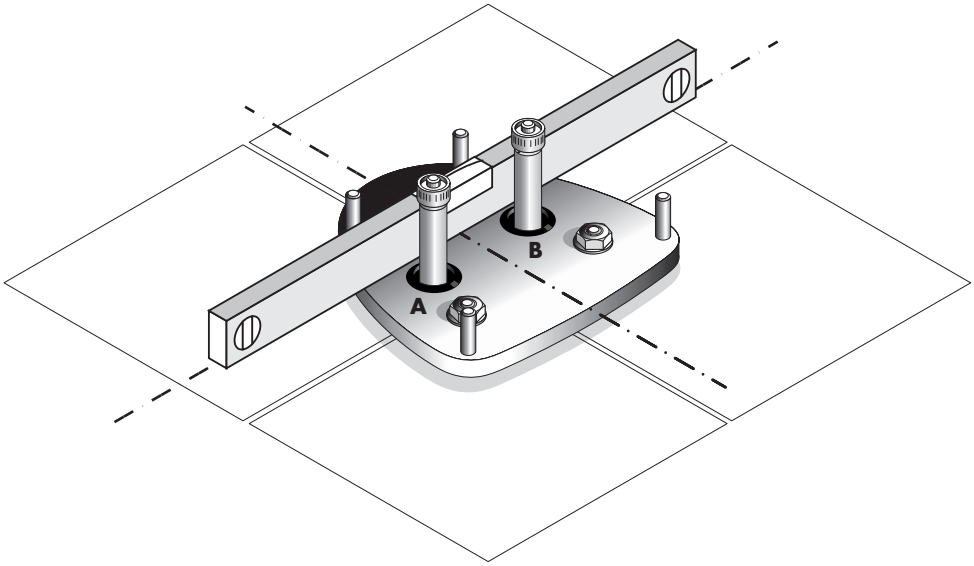
3. Place a flat washer over each threaded bolt and loosely thread a nut onto the bolt.

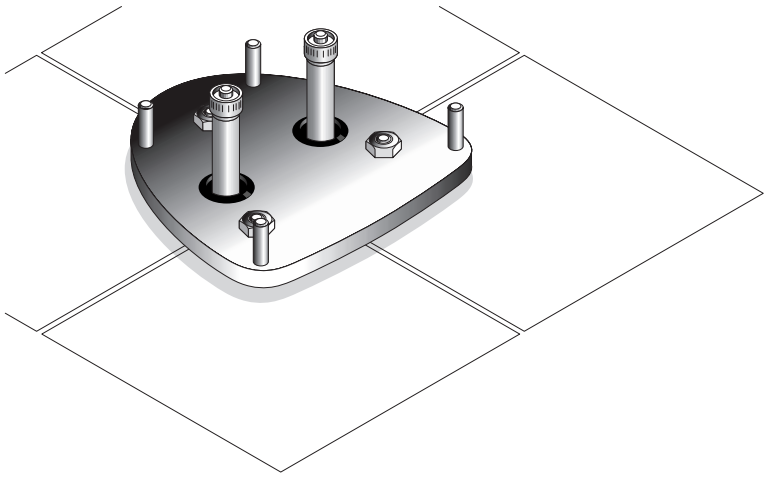
4. Using the lower nuts, precisely level the column attachment plate in all planes.

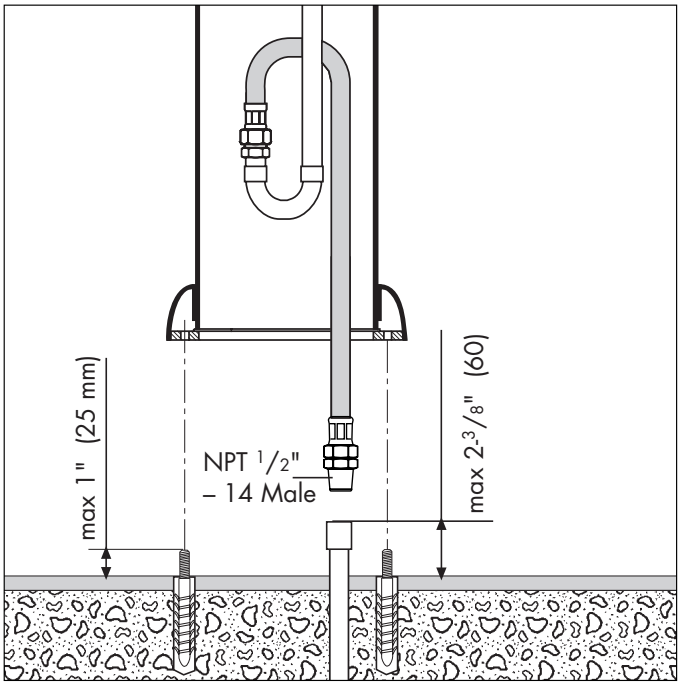
5. Tighten all nuts securely and check again that the plate is level in all planes.

6. The shower column can now be installed on the attachment plate after flushing the hot and cold water lines and securely attaching the flexible water connectors to the hot and cold supply nipples.









Deutsch

Montage Duschsäule ohne Grundset

Achtung:
Die Bohrungen für die Stockschrauben und die Anschlußrohre sind abzudichten. Die Duschsäule darf nur auf einem massiven Fußboden (Beton) ohne Grundset montiert werden. Bei mehrschichtigem Fußbodenaufbau (Estrich/ Isolierung) muß das Grundset verwendet werden, da ansonsten die Standfestigkeit der Säule bei Belastung nicht gewährleistet ist. Bei Nichtbeachtung haftet Hansgrohe für aufkommenden Schäden nicht.

English

Mounting of shower column without rough in (installation set)

Attention:
Seal the holes of the bolts and the pipework with suitable bathroom filler against the floor. Mount the shower column only on solid floors (concrete) without base set. If the floor has several layers (isolation / flooring) the base set must be used, otherwise the stability of the shower column can't guaranteed. Damages by disregard above points is not covered by Hansgrohe.

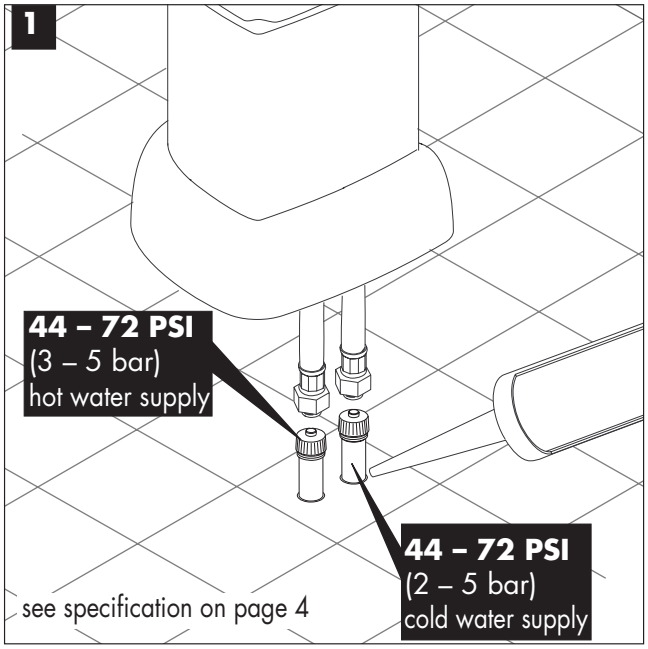
Français

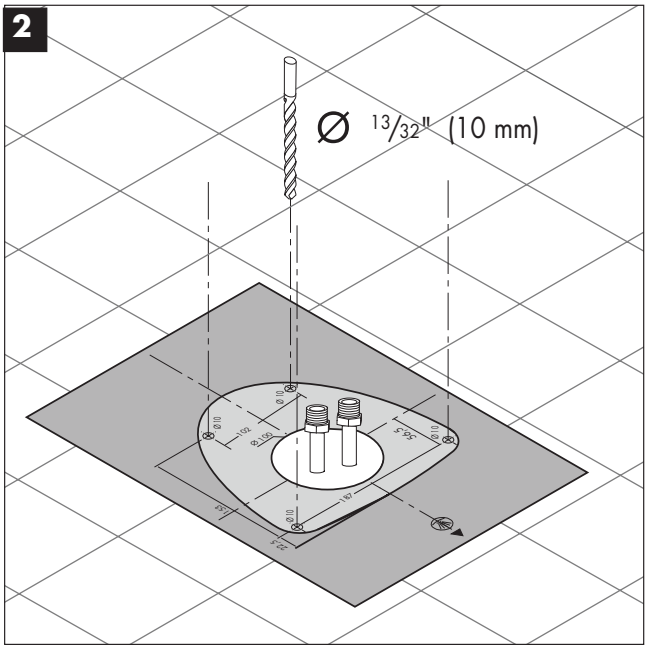
Montage de la colonne douche sans kit de base

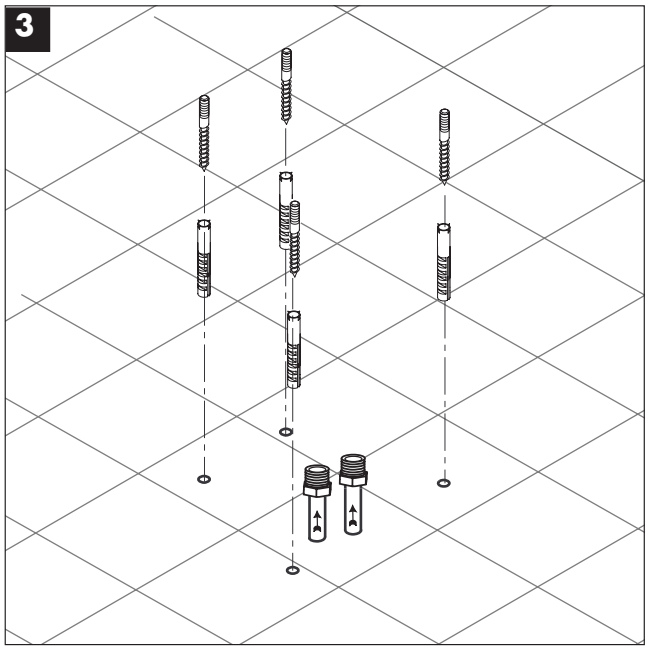
Español

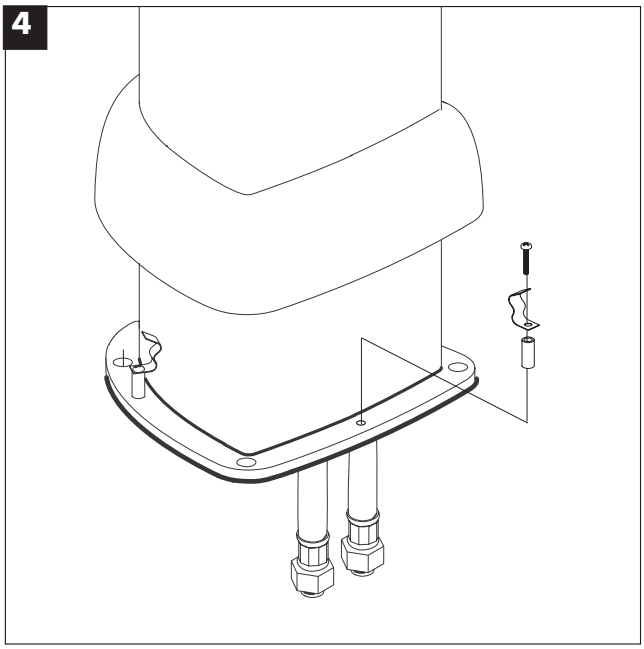
Montaje columna de ducha con sin básico

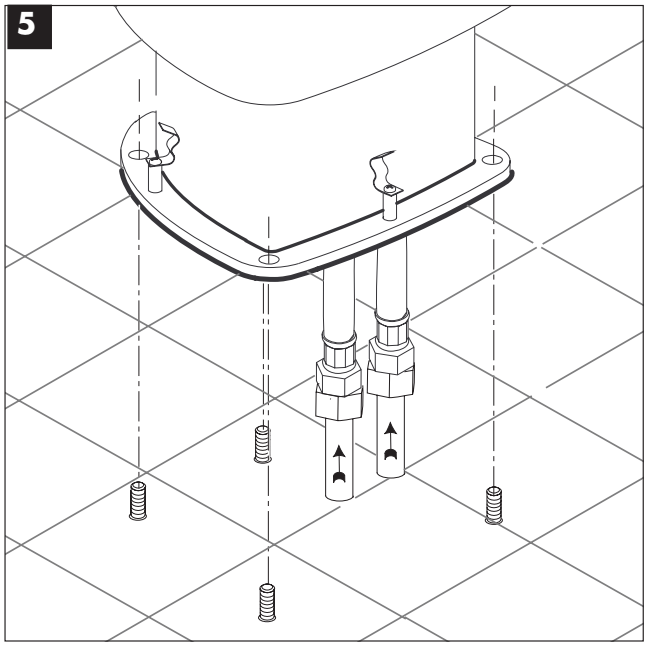
Outdoor installation:
This product is sensitive to frost.
You must evacuate this product during frosted periods.

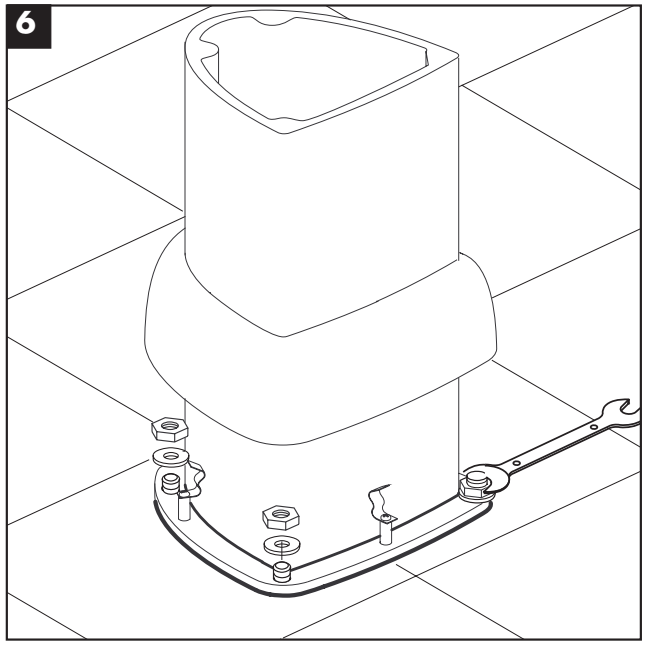

1
44 – 72 PSI
(3 – 5 bar)
hot water supply
44 – 72 PSI
(2 – 5 bar)
cold water supply
see specification on page 4


2
Ø 13/32" (10 mm)


3


4


5


6

Cleaning Recommendation for Hansgrohe Products

Modern sanitary tapware, kitchen mixers and showers consist of very different materials to comply with the needs of the market with regard to design and functionality.

To avoid damage and reclamations, it is necessary to consider certain criteria when cleaning.

Cleaning Materials for Mixers and Showers

Acids are necessary ingredients of cleaning materials for removing lime, however please pay attention to the following points when cleaning mixers and showers:

- Only use cleaning material which is explicitly provided for this type of application, such as Hansgrohe's Decalcifying Agent, which is available through the specialist sanitary trade.
- Never use cleaning materials, which contain hydrochloric, formic or acetic acid, as they cause considerable damage.
- Phosphoric acid is also restricted as it can cause damage.
- Never mix any cleaning material with another.
- Never use cleaning materials or appliances with an abrasive effect, such as unsuitable cleaning powders, sponge pads or micro fibre cloths.

Cleaning Instructions for Mixers and Showers

Please follow the cleaning material manufacturer's instructions. In addition pay attention to the following points:

- Clean the mixers and showers as and when required
- The cleaning dosage and time the cleaner needs to take effect should be adjusted according to the product and the cleaner should not be left longer than necessary.
- Regular cleaning can prevent calcification.
- When using spray cleaner, spray first into a cloth or sponge never directly onto the sanitary tapware, as drops could enter openings and gaps and cause damage.
- After cleaning rinse thoroughly with clean water to remove any cleaner residue.

Important

Residues of liquid soaps, shampoos and shower foams can also cause damage, so rinse with clean water after using. If the surface is already damaged, the effect of cleaning materials will cause further damage.

Damage caused by improper treatment will not be covered by our guarantee.

Limited Lifetime Consumer Warranty

This product has been manufactured and tested to the highest quality standards by Hansgrohe, Inc. („Hansgrohe"). This warranty is limited to Hansgrohe products which are purchased by a consumer in the United States after March 1, 1996, and installed in either the United States or Canada.

WHO IS COVERED BY THE WARRANTY

This warranty extends to the original consumer purchaser only.

WHAT IS COVERED BY THE WARRANTY

This warranty covers only your Hansgrohe manufactured product. Hansgrohe warrants this product against defects in material or workmanship as follows: Hansgrohe will repair at no charge for parts only or, at its option, replace any product or part of the product which proves defective because of improper workmanship and/or material, under normal installation, use, service and maintenance. If Hansgrohe is unable to provide a replacement and repair is not practical or cannot be timely made, Hansgrohe may elect to refund the purchase price in exchange for the return of the product.

LENGTH OF WARRANTY

Replacement or repaired parts of products will be covered for the term of this warranty as stated in the following two sentences. If you are a consumer who purchased the product for use primarily for personal, family, or household purposes, this warranty extends for as long as you own the product and the home in which the product is installed. If you purchased the product for use primarily for any other purpose, including, without limitation, a commercial purpose, this warranty extends only (i) for 1 year, with respect to Interaktiv and Retroaktiv products, and (ii) for 5 years, with respect to AXOR, ShowerPower and Pharo products.

THIS WARRANTY DOES NOT COVER, AND HANSGROHE WILL NOT PAY FOR:

A. Conditions, malfunctions or damage not resulting from defects in material or workmanship.

B. Conditions, malfunctions or damage resulting from (1) improper installation, improper maintenance, misuse, abuse, negligence, accident or alteration, or (2) the use of abrasive or caustic cleaning agents or „no rinse" cleaning products, or the use of the product in any manner contrary to the product instructions.

C. Labor or other expenses for the disconnection or return of the product for warranty service, or for installation or reinstallation of the product.

D. Accessories or related products not manufactured by Hansgrohe.

TO OBTAIN WARRANTY SERVICE

Contact your Hansgrohe retailer, or write to Technical Service at:

Hansgrohe Inc.
1492 Bluegrass Lakes Parkway
Alpharetta GA 30004

Or, call Hansgrohe toll-free at (800) 334-0455.

In requesting warranty service, you will need to provide

1. The sales receipt or other evidence of the date and place of purchase.
2. A description of the problem.
3. Delivery of the product or the defective part, postage prepaid and carefully packed and insured, to Hansgrohe Inc. 1492 Bluegrass Lakes Parkway, Alpharetta, Georgia 30004, Attention: Technical Service, if required by Hansgrohe.

When warranty service is completed, any repaired or replacement product or part will be returned to you postage prepaid.

EXCLUSIONS AND LIMITATIONS

REPAIR OR REPLACEMENT (OR, IN LIMITED CIRCUMSTANCES, REFUND OF THE PURCHASE PRICE) AS PROVIDED UNDER THIS WARRANTY IS THE EXCLUSIVE REMEDY OF THE PURCHASER. HANSGROHE NEITHER ASSUMES NOR AUTHORIZES ANY PERSON TO CREATE FOR IT ANY OBLIGATION OR LIABILITY IN CONNECTION WITH THIS PRODUCT.

HANSGROHE SHALL NOT BE LIABLE TO PURCHASER OR ANY PERSON FOR ANY INCIDENTAL, SPECIAL, OR CONSEQUENTIAL DAMAGES, ARISING OUT OF BREACH OF THIS WARRANTY OR ANY IMPLIED WARRANTY (INCLUDING MERCHANTABILITY).

Some States do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or 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.

You may be required by law to give us a reasonable opportunity to correct or cure any failure to comply before you can bring any action in court against us under the Magnuson-Moss Warranty Act.

PRODUCT INSTRUCTIONS AND QUESTIONS

Upon purchase or prior to installation, please carefully inspect your Hansgrohe product for any damage or visible defect. Prior to installing, always carefully study the enclosed instructions on the proper installation and the care and maintenance of the product. If you have questions at any time about the use, installation, or performance of your Hansgrohe product, or this warranty, please call or write to us at the toll-free number and address printed above.

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