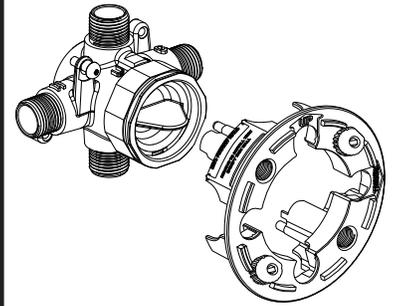


# INSTALLATION INSTRUCTIONS

## Flash™ Shower Valve Rough

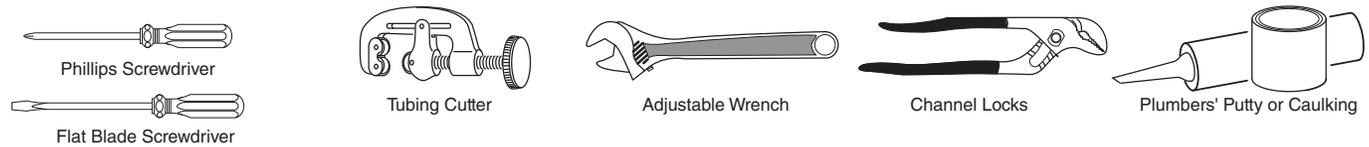
**RU101, RU102  
RU107, RU108  
RU109, RU107E  
RU108E**



Thank you for selecting American-Standard...  
the benchmark of fine quality for over 140 years.

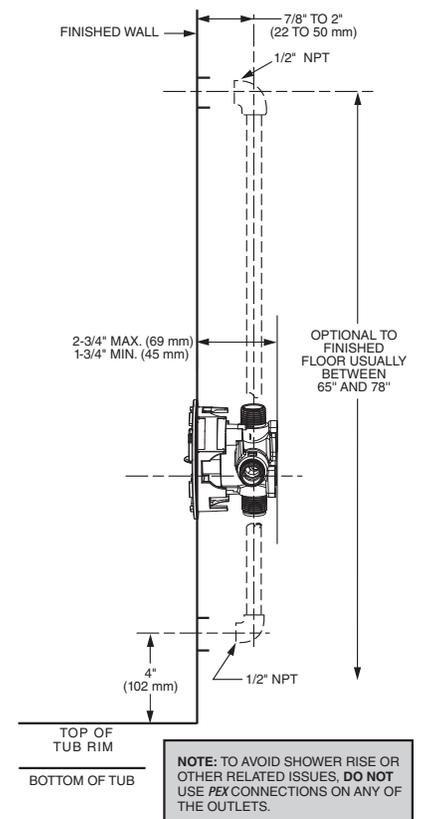
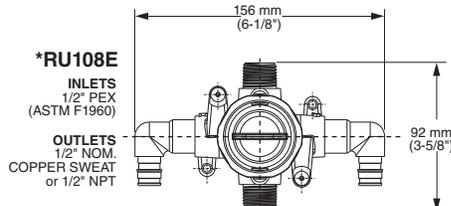
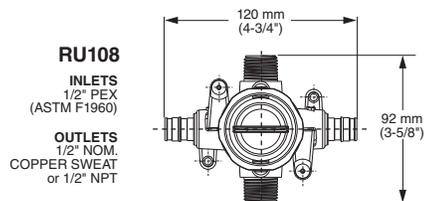
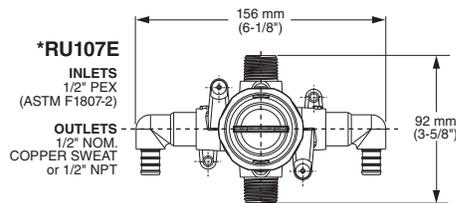
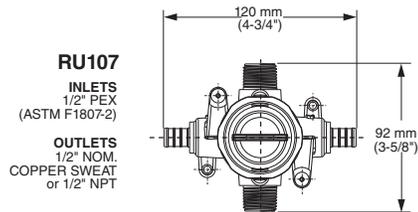
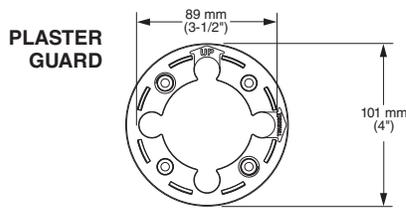
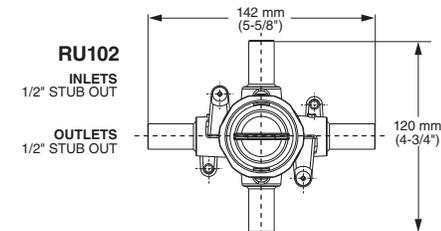
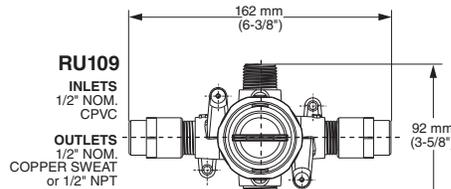
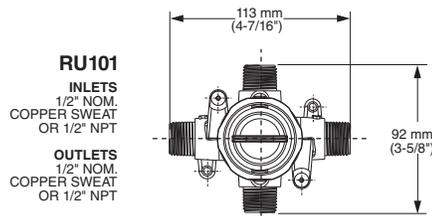
To ensure that your installation proceeds smoothly-please read these instructions carefully before you begin.

### RECOMMENDED TOOLS



### ROUGHING-IN DIMENSIONS

■ To assure proper positioning in relation to wall, note roughing-in dimensions.



**NOTE:** TO AVOID SHOWER RISE OR OTHER RELATED ISSUES, **DO NOT** USE PEX CONNECTIONS ON ANY OF THE OUTLETS.

**\* NOTE:** Inlet elbows on RU107E and RU108E allows for 180 degree rotation.

# 1 STANDARD WALL INSTALLATION

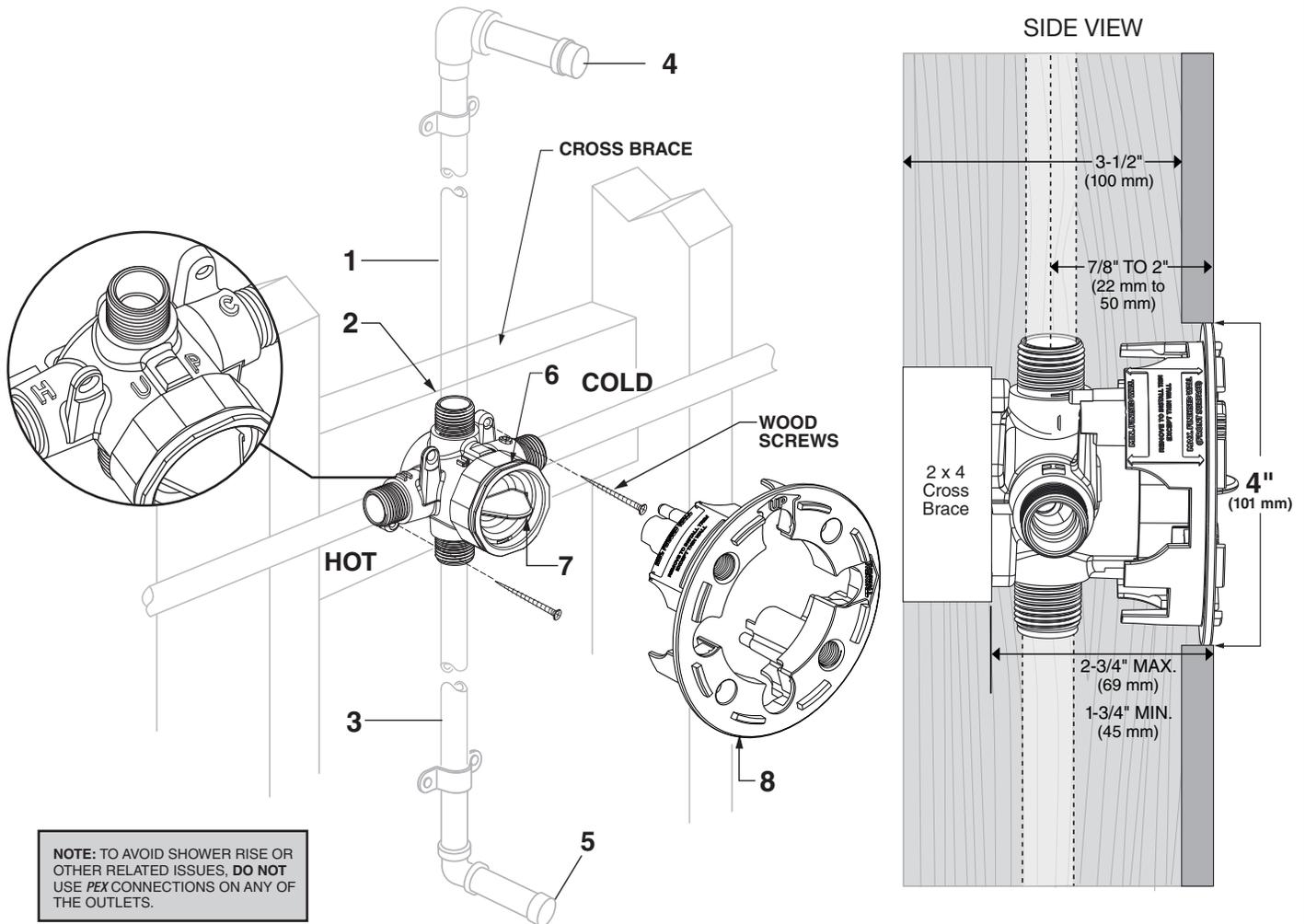
**CAUTION** Turn off hot and cold water supplies before beginning.

- See Roughing-in diagram before starting.
- Remove the PLASTER GUARD (8) for proper installation.
- Mount VALVE BODY to cross brace (2" X 4") with-in wall. Use wood screws to secure VALVE BODY to brace.
- Connect HOT and COLD water supplies per connection method of selected valve.
- Connect RISER PIPE (1) to VALVE BODY (2) top outlet marked "UP".
- Connect TUB FILLER PIPE (3) to bottom outlet.
- Cap off shower pipe (4) and tub filler pipe (5).
- With TEST CAP (7) in place and BONNET NUT (6) installed securely, turn on water supplies and check for leaks.
- Remove cap 4 to flush the water through shower pipe.
- Remove cap 5 to flush the water through tub filler pipe.
- Install PLASTER GUARD (8) back onto the valve. Only remove PLASTER GUARD (8) when ready to install trim Kit.
- Finished wall should allow for a 4" diameter opening (Use PLASTER GUARD for guidance)

**NOTE:** Cross flow can occur, if hot and cold pressures are not equal during testing. For this situation purchase FLUSH PLUG (M954334) separately. See section 3 for test procedures.

**CAUTION:** After valve installation, inspect the VALVE BODY for any debris. It can damage Pressure Balance Valve cartridge.

**NOTE:** For back to back installation, follow steps mentioned above. Reversal of Hot/Cold water supplies is accomplished by rotating cartridge (supplied with trim) 180° during installation.



## 2 THIN WALL INSTALL

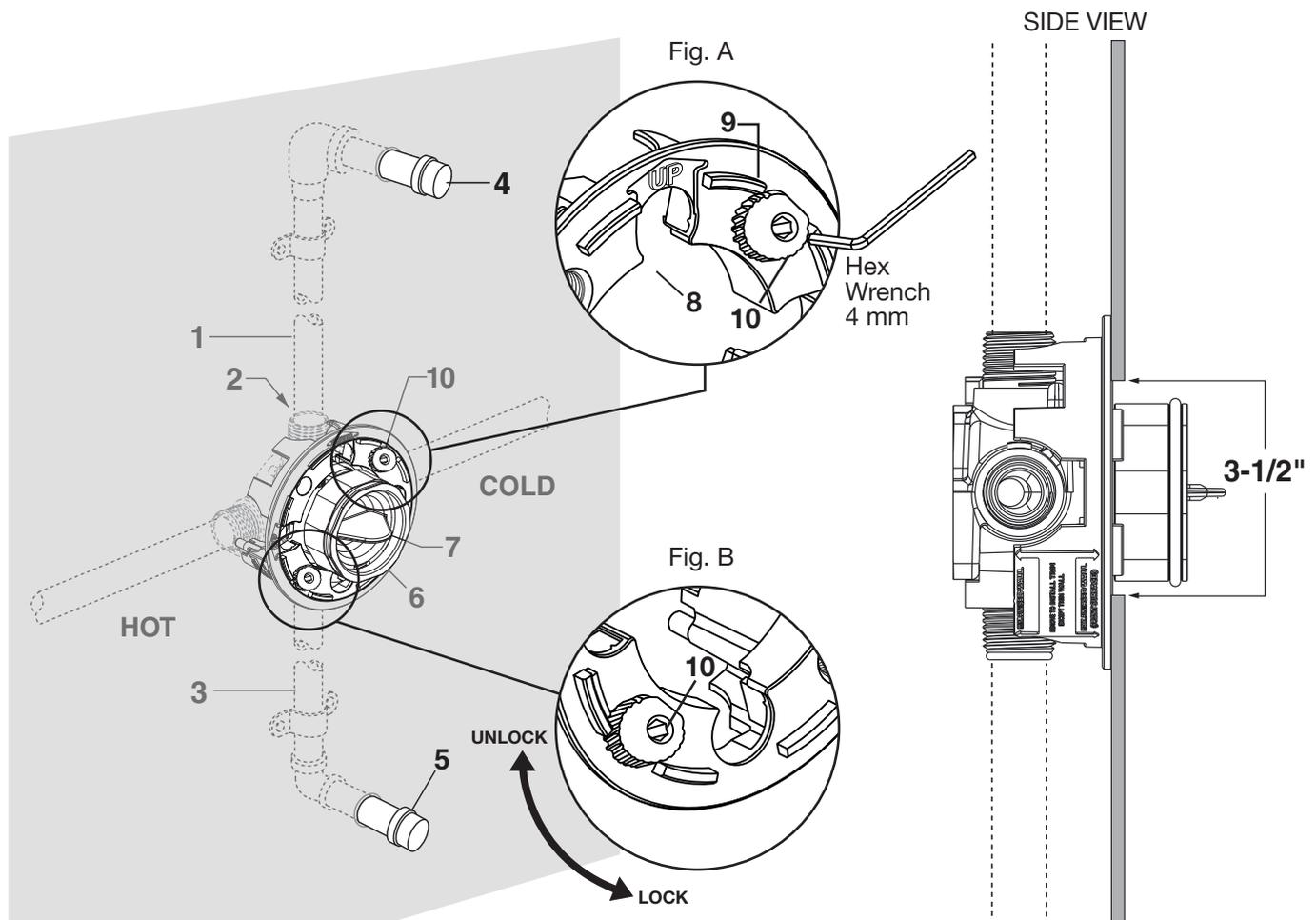
**CAUTION** Turn off hot and cold water supplies before beginning.

- See Roughing-in diagram before starting.
- Finished wall should allow for a 3-1/2" diameter opening (Use PLASTER GUARD for guidance).
- Remove PLASTER GUARD (8), rotate 90° counter clockwise and install the two screws. (Thin wall text should be on top)
- Use SELF-CENTERING HOLE GUIDES (9) as a guide for thin wall install.
- LOCKING SCREW (10) keeps valve in place when installing. Completely Thread LOCKING SCREW (10) onto PLASTER GUARD (8).
- During the installation, make sure to position the Locking feature screw as shown in **Figure A** below. Once the valve is positioned on the Thin Wall, turn counterclockwise as shown in **Figure B** to secure VALVE BODY (2) in place.
- Connect HOT and COLD water supplies per connection method of selected valve.
- Connect RISER PIPE (1) to VALVE BODY (2) top outlet marked "UP".
- Connect TUB FILLER PIPE (3) to bottom outlet.
- Cap off shower pipe (4) and tub filler pipe (5).
- With TEST CAP (7) in place and BONNET NUT (6) installed securely, turn on water supplies and check for leaks.
- Remove cap 4 to flush the water through shower pipe.
- Remove cap 5 to flush the water through tub filler pipe.

**NOTE: Cross flow can occur, if hot and cold pressures are not equal. For this situation purchase FLUSH PLUG (M954334) separately. See section 3 for test procedures.**

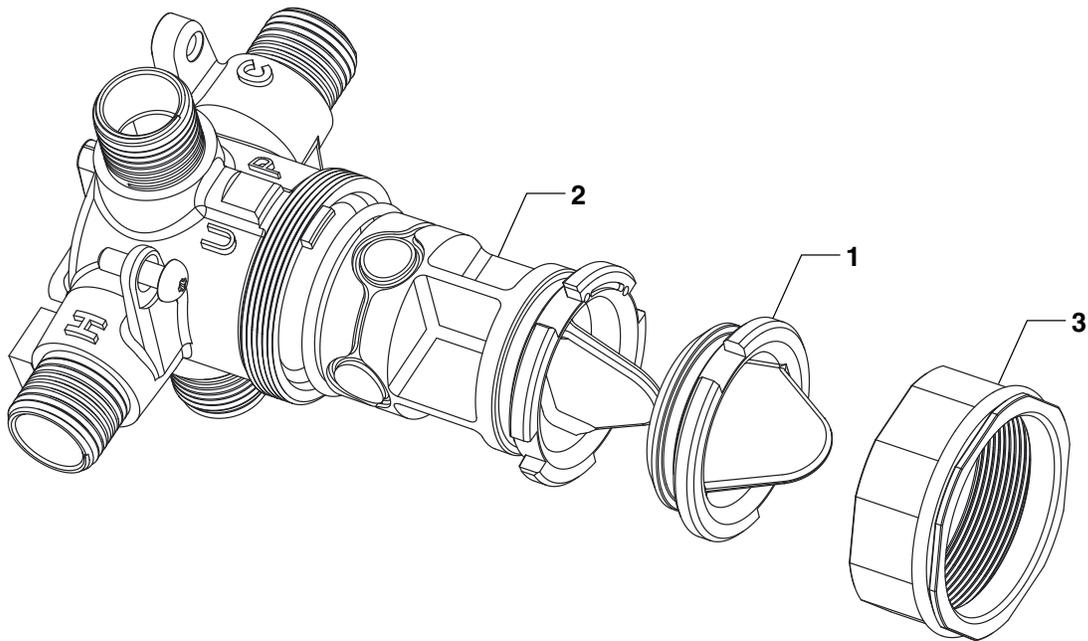
**CAUTION: After valve installation, inspect the VALVE BODY for any debris. It can damage Pressure Balance Valve cartridge.**

**NOTE: For back to back installation, follow steps mentioned above. Reversal of Hot/Cold water supplies is accomplished by rotating cartridge (supplied with trim) 180° during installation.**



### 3 TEST PROCEDURES FOR FLUSH PLUG (SOLD SEPARATELY)

- Unthread BONNET NUT (3).
- Remove TEST CAP (1) and install FLUSH PLUG (2).
- Rotate FLUSH PLUG (2) so opening for inlet (HOT or COLD) directs water flow to selected outlet (SHOWER or TUB).
- Secure FLUSH PLUG (2) by tightening BONNET NUT (3).
- Check for leaks and flush lines.
- Repeat steps above to Test/Flush alternate flow paths.
- Upon completion, unthread BONNET NUT (3). Remove FLUSH PLUG (2), replace with TEST CAP (1), and tighten BONNET NUT (3).

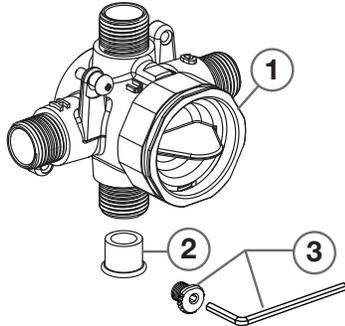


## Flash™ Shower Valve Rough

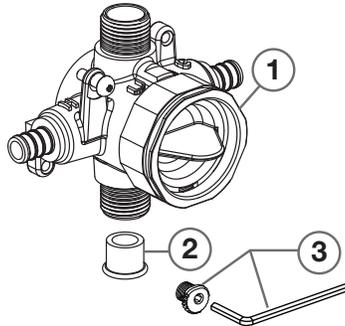
MODEL NUMBERS

**RU101, RU102  
RU107, RU108  
RU109, RU107E  
RU108E**

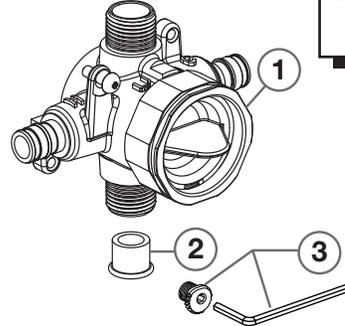
**RU101**



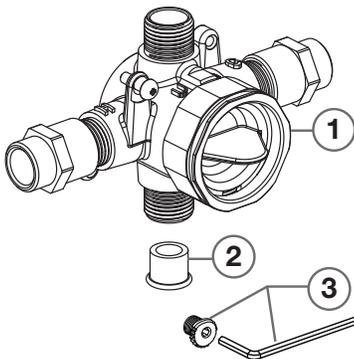
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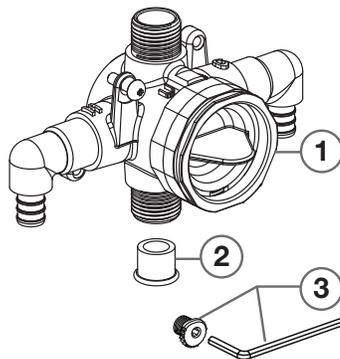
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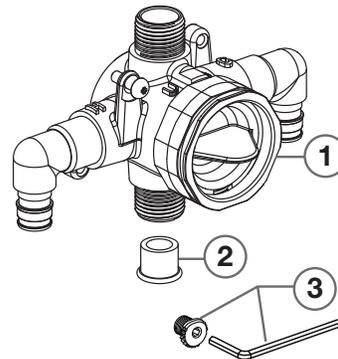
**RU109**



**RU107E**

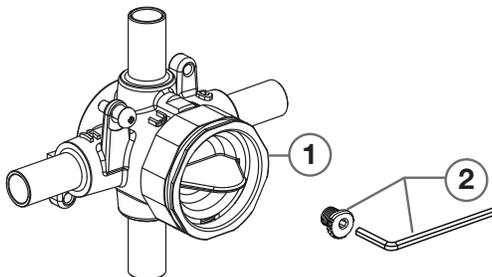


**RU108E**



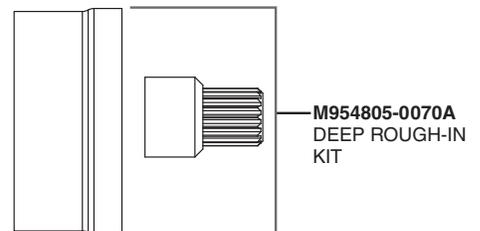
- ① M970452-0070A  
FIXATION RING KIT
- ② 050145-0070A  
1/2" SWEAT PLUG
- ③ M970453-0070A  
LOCKING CAM  
SCREW KIT

**RU102**

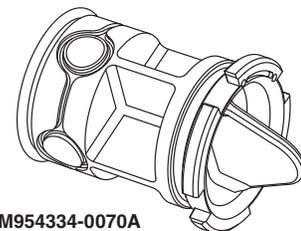


- ① M970452-0070A  
FIXATION RING KIT
- ② M970453-0070A  
LOCKING CAM  
SCREW KIT

### PURCHASED SEPARATELY



M954805-0070A  
DEEP ROUGH-IN  
KIT



M954334-0070A  
FLUSH PLUG

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