



Manuals.plus /

› TML /

› TML Tap Cartridge BS5412 XZ 20 Instruction Manual

## TML BS5412 XZ 20

# TML Tap Cartridge BS5412 XZ 20 Instruction Manual

**Model:** BS5412 XZ 20

**Brand:** TML

## 1. PRODUCT OVERVIEW

---

This instruction manual provides guidance for the installation, operation, and maintenance of the TML BS5412 XZ 20 Tap Cartridge. This ceramic disc quarter-turn valve is designed to repair and replace leaking cartridges in compatible kitchen mixer taps, ensuring a long life cycle and reliable performance.



*Image showing the TML BS5412 XZ 20 tap cartridge, featuring its ceramic disc mechanism and threaded collar.*

### **Key Features:**

- Compatible with specific Wickes, B&Q, and Cooke & Lewis taps that use the BS5412 XZ 20 cartridge.
- Features a threaded collar and a 32-spline handle adaptor (often blue).
- Cartridge adaptor has 32 teeth on the outside with a diameter of 10mm.
- Constructed with premium quality ceramic disc inserts for durability.
- Includes a solid brass M4 screw for secure fitting.
- Designed for quarter-turn operation.

## **2. INSTALLATION GUIDE**

Before beginning installation, ensure you have the correct cartridge for your tap model. The cartridge should have "BS5412 XZ 20" marked on it, and feature a threaded collar with a 32-spline handle adaptor (10mm diameter, 32 teeth).

### **Required Tools (Not Included):**

- Adjustable wrench or spanner
- Screwdriver (flathead or Phillips, depending on tap handle)
- Cloth or towel

## Installation Steps:

1. **Turn Off Water Supply:** Locate the main water shut-off valve for your home or the isolation valves under the sink and turn them off. Turn on the tap to drain any remaining water and relieve pressure.
2. **Remove Tap Handle:** Carefully remove the decorative cap (if present) on the tap handle. Use a screwdriver to loosen and remove the screw holding the handle in place. Lift the handle off.
3. **Remove Shroud/Cover:** Unscrew or lift off any decorative shroud or cover that conceals the cartridge. This may require an adjustable wrench if it's tightly secured.
4. **Remove Old Cartridge:** Using an adjustable wrench, carefully unscrew the old tap cartridge. Turn counter-clockwise. Be prepared for a small amount of residual water.
5. **Clean Cartridge Housing:** Wipe the cartridge housing clean with a cloth to remove any debris or mineral deposits.
6. **Insert New Cartridge:** Place the new TML BS5412 XZ 20 cartridge into the housing. Ensure it is seated correctly and the locating pins (if present) align with the slots in the tap body.
7. **Secure New Cartridge:** Hand-tighten the cartridge into place, then use an adjustable wrench to gently tighten it until snug. Do not overtighten, as this can damage the cartridge or tap body.
8. **Reassemble Tap:** Replace the shroud/cover, then reattach the tap handle, securing it with the M4 screw provided. Replace the decorative cap.
9. **Restore Water Supply:** Slowly turn the main water supply or isolation valves back on. Check for any leaks around the tap base and cartridge area.
10. **Test Operation:** Turn the tap on and off several times to ensure smooth operation and proper water flow.

## 3. OPERATION

---

Once correctly installed, the TML BS5412 XZ 20 ceramic disc cartridge provides reliable quarter-turn control for your tap. Turning the handle a quarter of a turn will fully open or close the water flow. For mixer taps, the cartridge facilitates the mixing of hot and cold water to achieve the desired temperature.

## 4. MAINTENANCE

---

The TML BS5412 XZ 20 tap cartridge is designed for a long life cycle with minimal maintenance. To ensure optimal performance and longevity:

- **Regular Cleaning:** Periodically clean the exterior of your tap with a soft cloth and mild soap. Avoid abrasive cleaners or harsh chemicals, as these can damage the tap finish and potentially affect internal components.
- **Check for Leaks:** Routinely inspect the base of your tap and under the sink for any signs of water leaks. Early detection can prevent further damage.
- **Water Quality:** In areas with hard water, mineral deposits can accumulate over time. While ceramic discs are resistant, extreme build-up might affect performance. Consider water softening solutions if this is a persistent issue.

## 5. TROUBLESHOOTING

---

If you encounter issues with your tap after installing the TML BS5412 XZ 20 cartridge, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Tap is leaking from the spout or handle base.	Cartridge not seated correctly, damaged O-rings, or overtightened cartridge.	Turn off water supply. Re-check cartridge seating. Ensure O-rings are intact and properly positioned. Avoid overtightening.
Tap handle is stiff or difficult to turn.	Cartridge overtightened, mineral deposits, or incorrect handle alignment.	Loosen cartridge slightly (if overtightened). Clean around the cartridge and handle mechanism. Realign handle.
No water flow or reduced flow.	Water supply not fully restored, aerator clogged, or cartridge not fully open.	Ensure water supply valves are fully open. Clean or replace the tap aerator. Check if the cartridge is correctly installed and allows full flow.
Cartridge does not fit my tap.	Incorrect cartridge model for your specific tap.	Verify your tap requires a BS5412 XZ 20 cartridge with a threaded collar and 32-spline adaptor. Contact the seller for compatibility assistance before purchase.

For further technical advice and support, please contact Tap Magician, the manufacturer.

## 6. SPECIFICATIONS

<b>Model Number</b>	BS5412 XZ 20
<b>Brand</b>	TML
<b>Manufacturer</b>	Tap Magician
<b>Cartridge Type</b>	Ceramic Disc Quarter Turn Valve
<b>Spline Teeth Count</b>	32 teeth
<b>Spline Diameter</b>	10mm
<b>Compatibility</b>	Taps requiring BS5412 XZ 20, threaded collar, 32-spline adaptor (e.g., some Wickes, B&Q, Cooke & Lewis models)
<b>Screw Type</b>	Solid Brass M4
<b>Batteries Required</b>	No
<b>First Available Date</b>	Oct. 12 2021

## 7. WARRANTY AND SUPPORT

This product is manufactured by Tap Magician. For any technical assistance, compatibility questions, or support regarding the TML BS5412 XZ 20 Tap Cartridge, please contact the manufacturer directly.

**Return Policy:** This product is eligible for returns within 30 days of receipt, in accordance with the seller's return policy.

For contact information, please refer to the seller's details on the purchase platform or the manufacturer's official website.

