

M10 Brass Swivel Joint

90 Degree Corner Adapter | 270 Degree Adjustable

Model: JH-576 • M10 x 1.0mm Fine Thread • 10 Pcs per Pack

USER MANUAL

Male (outer) thread + female (inner) thread • 4.8mm through hole for cable up to 4.5mm
Polished oil-sealed brass • for wall lamps, sconces, pendant lamps and DIY lamp parts

Non-electrical mechanical part - mechanical mounting only. Please read this manual
before installation and keep it for future reference.

1. PRODUCT OVERVIEW

The JH-576 is a solid brass M10 swivel joint / corner adapter for lamp fittings. It bends a lamp arm through 90 degrees and its swivel head rotates through 270 degrees, so a wall lamp, sconce, pendant or DIY fixture can be aimed exactly where it is needed.

One end carries an M10 male (outer) thread, the other an M10 female (inner) thread, both M10 x 1.0mm fine pitch, so the adapter screws straight onto standard M10 lamp tubes, lamp arms and lamp heads. A 4.8mm through hole lets a supply cable of up to 4.5mm pass through the joint, and the polished, oil-sealed brass finish keeps its golden colour and resists tarnish.

This is a MECHANICAL part only - it makes no electrical connection. All wiring is done in the lamp holder at the end of the arm.

Intended users: lamp makers, lighting wholesalers, repair shops, electricians and DIY users. Installation should be done with the power switched off.

2. TECHNICAL SPECIFICATIONS

Model	JH-576
Product type	M10 brass swivel joint / 90 degree corner adapter
Material	Brass (copper alloy)
Finish	Polished + oil-sealed (anti-oxidation)
Thread	M10 x 1.0mm fine pitch - one male (outer) end + one female (inner) end
Adjustment	90 degree elbow bend + 270 degree rotating head
Through hole	4.8mm inner bore - accepts cable up to 4.5mm
Total length	approx. 54mm
Body diameter	approx. 12.5mm
Female thread depth	approx. 8mm
Electrical rating	NOT APPLICABLE (non-electrical part, no wiring)
Mounting	Screw-on threaded connection (both ends)
Working temperature	-20 C to +80 C
Pack	10 pcs per pack

3. PACKAGE CONTENTS

- 10 x M10 Brass 90 Degree Swivel Joint (JH-576)
- 1 x User Manual

Note: lamp tube, lamp head, cable and screws are NOT included.

4. INSTALLATION INSTRUCTIONS

Step 1 - Check the threads

Identify the male (outer) thread end and the female (inner) thread end. Both are M10 x 1.0mm fine pitch. Check that the lamp tube / lamp arm you want to join also has an M10 x 1.0mm thread - a coarse 1.5mm pitch thread will not fit.

Step 2 - Plan the angle

Decide how the fixture should sit: the adapter gives a 90 degree bend and the swivel head can then be turned through 270 degrees. Dry-fit the parts first, without the cable, to find the angle you need.

Step 3 - Pass the cable first

Switch off the power. Feed the lamp cable through the 4.8mm hole of the joint BEFORE screwing the parts together - the hole accepts cable up to 4.5mm diameter only.

Step 4 - Screw the adapter on

Screw the female end onto the male M10 thread of the lamp tube / arm. Turn it by hand until fully seated; use a soft cloth or padded jaws if you need a tool. Do not over-tighten - brass threads can be damaged.

Step 5 - Fit the lamp head

Screw the lamp head or the remaining lamp arm onto the male end of the adapter, or fit the shade holder as your fixture requires. Check that the lamp head is straight and firmly seated.

Step 6 - Set the angle and test

Turn the swivel head to the required direction (270 degree range) and tighten it gently so it holds the position. Support the lamp while adjusting, switch the power back on and check that the fixture is stable and aimed correctly.

5. WIRING DIAGRAM

NOT APPLICABLE - the JH-576 is a non-electrical mechanical part. No wires are connected to it. The lamp cable only PASSES THROUGH the 4.8mm hole; all electrical connections are made in the lamp holder at the end of the arm.

6. COLOR STATUS RECOMMENDATIONS

NOT APPLICABLE - the JH-576 is a lamp fitting part, not a status / signal light.

7. MAINTENANCE AND CARE

- Switch off the power before adjusting or checking the joint.
- Wipe the brass with a soft dry cloth. Do not use abrasive pads, acid or alkaline cleaners - they strip the protective oil film and dull the finish.
- Re-oil the surface lightly (neutral machine oil or a brass protective oil) every 6 months to keep the anti-oxidation film and the golden colour.
- Check the threads every 6 months and re-tighten gently if the joint feels loose or the lamp droops.
- Store spare parts in a dry place, in the original bag, at -20 C to +60 C. Damp air causes spots on unsealed brass.

8. SAFETY WARNINGS

- **ALWAYS** switch off the mains / circuit breaker before installing, adjusting or cleaning the lamp.
- Support the weight of the lamp with one hand while unscrewing or tightening the joint - never let the fixture hang on the thread alone.
- Do not hang loads heavier than your lamp fixture is designed for; the joint is a mechanical connector, not a load-bearing structural part.
- Use cable up to 4.5mm diameter only. Forcing a thicker cable through the 4.8mm hole can cut the insulation.
- Do not over-tighten the threads. Damaged brass threads cannot hold the lamp safely and the part must then be replaced.
- Do not cut, hammer or bend the brass body - this cracks the material and voids the warranty.
- Keep small parts out of the reach of children.
- Installation must comply with the local wiring regulations; have the electrical work done by a qualified electrician.

9. TROUBLESHOOTING

Problem	Possible cause	Solution
Adapter will not screw on	Thread pitch mismatch (M10 x 1.5 instead of 1.0mm)	Use an M10 x 1.0mm tube or change the mating part
	Thread dirty or burred	Clean the thread, remove burrs carefully
Screws in but feels loose / wobbles	Threads damaged or cross-threaded	Replace the damaged part
Lamp head will not hold the angle	Swivel head not tightened	Tighten the swivel gently
	Thread stripped by over-tightening	Replace the adapter
Cable will not pass through	Cable thicker than 4.5mm	Use a thinner cable or strip the outer sheath
Brass looks dull or spotted	Protective oil film worn off	Clean and re-oil the surface
Lamp droops after fitting	Overload on the joint / weak thread	Reduce the load or support the lamp arm
Fitting not fully seated	Parts not screwed fully together	Re-seat and tighten gently

10. WARRANTY POLICY

Warranty period: 12 months from the date of delivery.

Covered: manufacturing defects - wrong or incomplete thread, cracked or porous casting, faulty swivel action, damaged finish found on arrival.

Not covered: damage from over-tightening, cross-threading, cutting, hammering or bending, overload, corrosion caused by chemicals or damp storage, normal colour change of brass, unauthorised repair.

Warranty claims: keep the invoice or order number and contact our after-sales service (Section 11) with photos of the faulty item.

11. AFTER-SALES SERVICE

Contact person	Jude
Phone / WhatsApp	+86-15915305795
E-mail	sales01@birtechnology.com
Website	www.cnclight.com

Please quote the model (JH-576) and your order number when contacting us. We reply to all inquiries within 24 hours on working days.