dia32-ST Chrome-Plated Lamp Tube

32 mm Iron Pipe - M30x1.5 Internal Thread - M10x1.0 Connectors

User Manual

Model dia32-ST Series

Tube 50 to 500 mm - M30x1.5 Thread - M10x1.0 Connectors

JIAKMJ Industrial Lighting Parts

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This manual covers the dia32-ST series: the 32 mm chrome-plated iron straight tube, the single connector, the double connector, the M10x1.0 conversion plug and the end cap. Read it before assembling, cutting or installing the tube.

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1. PRODUCT OVERVIEW

The dia32-ST is a rigid 32 mm outside-diameter chrome-plated iron tube with an M30 x 1.5 internal thread at BOTH ends, 15 mm deep. It is the structural pipe used to build lamp stands, pendant-light suspension rods, display racks and machine-light posts.

Two different threads are involved and they must not be mixed: the TUBE is threaded M30 x 1.5 inside, while the SINGLE CONNECTOR, the M10 x 1.0 CONVERSION PLUG and the END CAP all carry an M10 x 1.0 thread for standard lamp holders, ceiling plates and brackets. Tubes join end to end with the DOUBLE connector, so a run can be built to any straight length without welding.

Typical users: lighting factories and assemblers, lamp-shop repair counters, display and exhibition contractors, machine-tool integrators and DIY builders.

2. TECHNICAL SPECIFICATIONS

Model	dia32-ST (32 mm straight tube)
Material	Iron, chrome-plated
Finish	Mirror chrome
Outer diameter	32 mm
Inner diameter	approx. 30 mm
Wall thickness	approx. 1 mm
Tube thread	M30 x 1.5, internal, both ends
Tube thread depth	approx. 15 mm per end
Connector thread	M10 x 1.0, male
Stock lengths	50 / 100 / 120 / 150 / 200 / 250 / 300 / 350 / 400 / 450 / 500 mm
Custom length	cut to order on request
Single connector	dia. 32 mm, height 10 mm, M10 x 1.0 thread
Double connector	dia. 32 mm, height 21 mm, joins two tubes
Conversion plug	body dia. 30.1 mm, M10 x 1.0 thread, 10 mm
End cap	M10 x 1.0 thread, sold separately
Screws	NOT included, sold separately
Operating temperature	-20 to +60 C (indoor use)
Electrical rating	NONE - mechanical part, no wiring
Warranty	1 year

All dimensions are from single-batch manual measurement, for reference only. The actual product governs. Allow plus or minus 1 to 2 mm on diameter and length.

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2.1 LENGTH OPTIONS

Code	Length	Tube thread	Typical use
D32-50	50 mm	M30 x 1.5	short spacer / coupler
D32-100	100 mm	M30 x 1.5	small lamp stand
D32-120	120 mm	M30 x 1.5	table lamp riser
D32-150	150 mm	M30 x 1.5	pendant rod
D32-200	200 mm	M30 x 1.5	pendant rod
D32-250	250 mm	M30 x 1.5	pendant rod / display
D32-300	300 mm	M30 x 1.5	lamp post
D32-350	350 mm	M30 x 1.5	lamp post
D32-400	400 mm	M30 x 1.5	floor lamp riser
D32-450	450 mm	M30 x 1.5	floor lamp riser
D32-500	500 mm	M30 x 1.5	long post / rack

2.2 CONNECTORS AND ACCESSORIES

Part	Code	Function	Thread / size
Single connector	D32-SC	tube end to M10x1.0 outlet	M10 x 1.0, dia. 32, h 10
Double connector	D32-DC	joins two tubes end to end	internal, h 21 mm
Conversion plug	D32-M10	tube bore to M10x1.0 male	M10 x 1.0, body 30.1
End cap	D32-CAP	closes the tube end, M10 thread	M10 x 1.0
Screw pack	D32-SCR	fixing screws for the assembly	optional

The connector, plug, end cap and screw pack are SEPARATE items. They are not in the tube package unless selected on the order.

3. PACKAGE CONTENTS

- 1 x 32 mm chrome-plated iron tube, selected length
- Only what you select: single connector, double connector, M10x1.0 conversion plug, end cap or screw pack

SCREWS ARE NOT INCLUDED and END CAPS ARE NOT INCLUDED. Both are sold separately - select them when ordering.

4. INSTALLATION INSTRUCTIONS

Step 1 - Check the parts: confirm the tube length and that you hold the correct thread parts. The tube is M30 x 1.5 inside; the connector, plug and end cap are M10 x 1.0.

Step 2 - Clean the threads: wipe packing dust and plating residue out of both internal threads with a dry cloth.

Step 3 - Fit the connector: screw the connector or conversion plug into the tube by hand until it seats. The thread is 15 mm deep, so it must run in freely - never force it.

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Step 4 - Assemble the run: for a longer run, join tubes with double connectors and check the assembly is straight before final hand tightening.

Step 5 - Mount the lamp: thread the lamp holder, lamp base or bracket onto the M10 x 1.0 end, then hang or stand the assembly. Confirm it is mechanically tight before releasing it.

Step 6 - Final check: the joint must not wobble. Tighten by hand only, never with pliers, to avoid crushing the chrome and the thread.

5. WIRING

NOT APPLICABLE.

The tube, connectors, plug and end cap are non-electrical mechanical parts. They carry no current and have no terminals. The lamp cable must be routed through the bore or outside the pipe by the installer, and all electrical work must be done with the power isolated.

6. COLOUR STATUS

NOT APPLICABLE.

This part has no light source and no status indicator. Colour is not used as a signal.

7. MAINTENANCE AND CARE

- Wipe with a soft dry cloth; a damp cloth is acceptable on the chrome, then dry it immediately.
- Never use abrasive pads, wire wool, acids or chlorinated cleaners on the chrome finish.
- Keep both threads clean; dust or swarf prevents full engagement and causes wobble.
- Inspect the joint every 6 months in vibrating installations and re-tighten by hand.
- Store dry. Long-term damp storage can cause white rust spots on the plating.
- Keep the thread lightly oiled if the assembly will be taken apart repeatedly.

8. SAFETY WARNINGS

ALWAYS isolate the electrical supply before working on a lamp assembly that uses this tube.

- Two thread systems: tube M30 x 1.5, connectors and end cap M10 x 1.0. Never force one into the other.
- The tube is a mechanical support only. It is not earthed, not rated as a conductor and must never be used as an earth path.
- Do not use the tube as a structural member for loads other than a lamp of the matching size.
- Do not over-tighten: excessive torque deforms the pipe wall and destroys the thread.
- Do not cut or re-thread the tube unless you can re-plate the cut; bare iron will corrode.
- Screws and end caps are not supplied - use fixing screws that match your base and load.
- Keep small connectors and plugs away from children - choking hazard.

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9. TROUBLESHOOTING

Problem	Possible cause	Solution
Connector will not start	Thread dirty or damaged	Clean the thread; inspect the first turn
Jams after 2-3 turns	M10 part used in the tube bore	Tube takes M30 x 1.5 only
End cap jams	Cap is M10 x 1.0	Fit it to an M10 connector, not to the bare tube
Joint wobbles	Connector not fully seated	Screw in by hand to the shoulder
Lamp leans	Tube bent or run not straight	Replace the tube; re-check double joints
Chrome lifting at the end	Pipe cut without re-plating	Use a factory-cut length
Tube too short	Wrong length ordered	Add a double connector and a second tube
Assembly loose on the base	Screws not supplied with the tube	Order the screw pack separately

10. WARRANTY POLICY

1 year warranty from the date of delivery. We repair or replace, at our option, any part with a manufacturing defect: wrong or damaged thread, plating defects, dimensional error against the published tolerance, or a connector that will not engage.

Not covered: damage from over-tightening or tools, cut or drilled tubes, corrosion from outdoor or wet storage, mismatched thread types, normal wear and any modification of the part.

Claims require the model code, the order number and a photo of the defect.

11. AFTER-SALES SERVICE

Contact	Jude
Tel / WhatsApp	+86-15915305795
Email	sales01@birtechnology.com
Website	www.cnclight.com

Please quote model dia32-ST, the tube length and your order number when contacting us. Custom lengths, extra end caps and screw packs can be quoted on request.

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