

PRODUCT DATASHEET

Pole Line Hardware & Line Fittings

Line hardware · 11 kV, 33 kV and transmission line work

Galvanized hardware

Indo East manufactures and galvanizes pole line hardware and line fittings at its Jangalpur works in Howrah — cross arms, stay sets and rods, plates, brackets, yoke plates, clamps and dead-end fittings, for 11 kV and 33 kV distribution and for transmission line work.

Steel to IS 2062, fittings to IS 2486, hot-dip galvanized to IS 2629 and IS 4759 at 75–85 microns in our own 7 metre kettle. Line hardware is the first thing to fail on a distribution line, which is why the coating figure matters more than the price per piece.

This datasheet says which items we make, which our jobbers make to our drawings, and which we buy in. A buyer finds that out eventually. It is better said at enquiry than discovered at inspection.

CERTIFIED · REGISTERED

ISO 9001:2015

ISO 14001:2015

ISO 45001:2018

IEC 0211004090

EEPCC RCMC

RDSO APPROVED

WHAT WE SUPPLY, AND WHERE IT COMES FROM

Named item by item, because a hardware enquiry is priced line by line.

ITEM	WHERE IT GOES	ORIGIN
Cross arms — straight, V and Y	Pole-top support for the conductor, in the three standard configurations	Made at Howrah
Stay sets — HT and LT	The guying assembly that holds a pole against conductor tension	Made at Howrah
Stay rods, stay and anchor plates	The buried leg of the stay assembly, and the bearing plate that takes load into the soil	Made at Howrah
Pole clamps, pole top and D-iron brackets	Fixing the arm, the insulator pin or the fitting to the pole	Made at Howrah
Yoke plates	Spreading the load between strings on twin and quad arrangements	Made at Howrah
Eye bolts, U-bolts, danger boards	General line fixing, and statutory marking	Made at Howrah
Guy grips, preformed dead ends, armour rods	Helically formed conductor terminations and protection	Our drawings, our jobbers, galvanized here
Ball hooks and socket eyes	Insulator string end fittings under IS 2486	Our drawings, our jobbers, galvanized here
Compression joints, PG clamps, vibration dampers	Conductor jointing, parallel-groove connections, aeolian vibration control	Our drawings, our jobbers
Machine, double arming and shackle bolts	Standard line fasteners	<i>Bought in to specification</i>

THE STANDARD

IS 2486 — the standard your specification is written in

IS 2486 is the Indian Standard for metal fittings for insulators on overhead lines above 1000 V — Part 1 general requirements and tests, Part 2 dimensional requirements and interchangeability, Part 3 locking devices, Part 4 tests. It is the language WBSEDCL and most state utility purchase specifications are written in, and we have not found it cited on a competing hardware page in India.

THE COATING FIGURE, THREE WAYS A SPECIFICATION WRITES IT

REQUIREMENT AS WRITTEN	WHAT THAT MEANS	WHAT WE HOLD
610 g/m ²	Zinc mass per square metre — how most Indian utility specifications state it	≈ 85 μm, held and certified
75–85 μm	The same requirement expressed as coating thickness	Read on a calibrated DFT gauge, per batch
ASTM A123	The American route, used on export orders	Quoted against the grade and section thickness you name
“Galvanized as per IS”	Not a requirement — it names no coating mass and no test	We ask which figure applies, not the cheapest reading

TYPICAL APPLICATIONS

- 11 kV and 33 kV distribution lines
- Transmission line fittings
- Rural electrification
- RDSS and state utility contracts
- Substation take-off structures
- Railway traction line hardware

STANDARDS AND COMPLIANCE

Structural steel IS 2062 · **Insulator fittings** IS 2486 Parts 1–4 · **Galvanizing** IS 2629, IS 4759, IS 6745, IS 2633; ASTM A123, ASTM A153, ASTM A385 or EN ISO 1461 where specified · **Fasteners** IS 1367 classes 4.6, 5.6 and 8.8 · **Stay wire** IS 2141 · **Earthing** IS 3043 · **Welding** IS 816, AWS D1.1; inspection IS 822 · **Tolerances** IS 7215. ISO 9001:2015, 14001:2015 and 45001:2018 certified; RDSO approved for railway structures; IEC 0211004090; EEPIC India RCMC/EEPCINDIA/07882/2026-2027, valid to 31 March 2027.



THE LIMITS

Three Things We Say Before You Ask

It is better said at enquiry than discovered at inspection.

01

Not every item on this sheet is fabricated by us. The forged, wire-formed and cast items — guy grips, preformed dead ends, armour rods, ball hooks, socket eyes, compression joints, PG clamps and vibration dampers — are made to our drawings by our jobbers, galvanized in our kettle and released under our inspection.

02

Our laboratory is not NABL-accredited. The equipment is real — Bruker Q2 ION spectrometer, universal testing machine, Rockwell tester, calibrated DFT gauges — but where a specification requires NABL type-test reports, that testing is arranged with an accredited laboratory against the order.

03

Where a drawing exists, we work to the drawing, not to a catalogue number. Send the drawing or the dimensional reference and the quotation is priced against it.



Galvanized angles



Steel hung on jigs for galvanizing



DFT coating-thickness reading

HOW TO ORDER

Send drawings, a bill of materials or a specification through indoeast.com. We review the scope, raise queries and return a formal quotation, typically within 48 business hours. Third-party inspection by SGS, Bureau Veritas, TÜV, DNV or Intertek is supported at stages agreed before production. For export, the form at indoeast.com/export-enquiry.html asks the five things that let us price properly.

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