© TESHI GROUP · CONTROLLED COPY — NOT FOR REPRODUCTION · ✉ info@teshigroup.com · ✉ sales@teshigroup.com · WhatsApp +91 78900 09110 · www.teshigroup.com

DIMENSIONAL STANDARD · IS 1239 (PART 1)

# IS 1239 Pipe Dimensions — Light, Medium & Heavy (Class A, B, C)

IS 1239 Part 1 steel tube dimensions: outside diameter and wall thickness for Light (A), Medium (B) and Heavy (C) class, 15–150 NB, in mm.

This chart gives **IS 1239 (Part 1)** mild steel tube dimensions in millimetres — outside diameter and wall thickness for Light (Class A, yellow band), Medium (Class B, blue band) and Heavy (Class C, red band) tubes from 15 to 150 NB, used for water, gas, air and general service in India.

Teshi Group stocks and supplies IS 1239 black and galvanised tubes, and manufactures the matching flanges and fittings.

**OD** Outside diameter
**Wall** Wall thickness by class

## IS 1239 Part 1 tubes — OD and wall thickness (mm)

| NB | OD mm | Light (A) Wall · mm | Medium (B) Wall · mm | Heavy (C) Wall · mm |
|---|---|---|---|---|
| 15 | 21.3 | 2 | 2.6 | 3.2 |
| 20 | 26.9 | 2.3 | 2.6 | 3.2 |
| 25 | 33.7 | 2.6 | 3.2 | 4 |
| 32 | 42.4 | 2.6 | 3.2 | 4 |
| 40 | 48.3 | 2.9 | 3.2 | 4 |
| 50 | 60.3 | 2.9 | 3.6 | 4.5 |
| 65 | 76.1 | 3.2 | 3.6 | 4.5 |
| 80 | 88.9 | 3.2 | 4 | 4.8 |
| 100 | 114.3 | 3.6 | 4.5 | 5.4 |
| 125 | 139.7 | — | 4.8 | 5.4 |
| 150 | 165.1 | — | 4.8 | 5.4 |

## Notes

- Light = Class A (yellow band), Medium = Class B (blue band), Heavy = Class C (red band).
- Mass per metre: use the pipe weight calculator with OD and wall thickness.
- Reference values for estimation and checking. Verify against the current edition of the standard and the purchase specification before design, purchase or fabrication.

Reference information compiled from the published standard for convenience. It does not replace the current edition of the governing standard, which takes precedence. Verify critical dimensions before design, purchase or fabrication. Teshi Engineers & Sales Promoters (P) Ltd accepts no liability for errors or omissions. Online version: https://teshigroup.com/dimensional-standards/is-1239-pipe-dimensions/