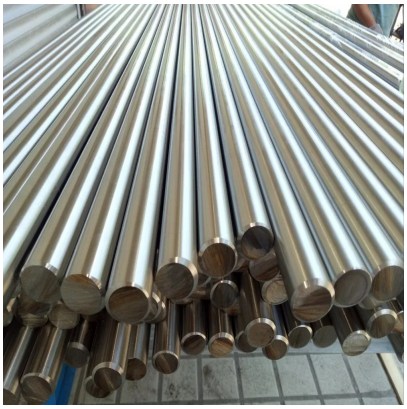


Ordering Bright Steel Bars as per IS 9550 â?? A Complete Buyerâ??s Checklist

Description

Steelmet Industries - Bright Bars, Alloy Steels, Free Cutting Steels, Stainless Steels

Ordering Bright Steel Bars as per IS 9550 â?? A Complete Buyerâ??s Checklist

When ordering **bright steel bars** for critical engineering applications, itâ??s essential to follow the **IS:9550:2001 specification** to ensure correct material selection, surface quality, tolerances, and traceability.

This guide from **Steelmet Industries** simplifies the process with a checklist derived from Annex A of IS 9550 and related clauses.

Buyer Checklist: What to Specify in the Purchase Order

Table 1: Order Parameters as per IS 9550

Parameter	Details to Specify
Chemical Composition	Specify steel grade or refer to IS/International equivalents (e.g., EN8D, C45)
Surface Finish	Drawn / Turned / Ground / Turned & Reeled (optional: specify surface roughness in Âµm)
Mechanical Properties	Required tensile/yield strength or hardness (if applicable)
Dimensional Tolerances	As per IS 919 (e.g., h10, h11); shape and size must be clearly mentioned
Surface Defect Class	Class 1, 2, 3, or 4 (based on application criticality)
Heat Treatment	Specify if bars should be annealed, normalized, stress-relieved, or quenched & tempered
Delivery Condition	e.g., Cold drawn, Cold drawn & ground, Hot wrought & machined
Length Requirement	Standard (2.5 m â?? 4.5 m) or specific length with tolerance (+8 mm)

Parameter	Details to Specify
Testing Requirements	MTC required? Specify optional tests (e.g., Grain size, Inclusion rating, UT/MPI)

Marking and Packing Guidelines

- **Bars above 50 mm dia:** Must be stamped with cast number and supplier code
- **Bars â?¤ 50 mm dia:** To be bundled and tagged with metal labels including:
  - Supplier name
  - Cast/heat number
  - Size and mass
  - Order number
- Rust-preventive coating as per IS 1153/1154
- Bundles to be wrapped in hessian and tied securely

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Standard Delivery Conditions

Table 2: Delivery Options by Size and Shape

Bar Type	Size Range	Delivery Condition
Round Bars	Up to 50 mm	Cold drawn
Round Bars	Above 50 mm	Cold drawn or Hot rolled and turned
Squares, Hexagons, Flats	All sizes	Cold drawn

How Steelmet Industries Helps Buyers

- Clear technical documentation and MTCs
- Traceability: cast numbers, test certificates, packing slips
- Stock and make-to-order flexibility
- Support in selecting tolerances and surface finish based on end use

Our bright bars are widely used in **automotive, agricultural, defense, and precision machining industries**.

Need IS 9550-Compliant Bright Bars?

Get expert guidance and ready stock or custom manufacturing from **Steelmet Industries**.

Contact us today for a quote or to discuss your technical requirements.

FAQs: Ordering Bright Bars Under IS 9550

What information should I give when ordering bright bars?

You should specify grade, size, tolerance class, surface finish, testing needs, length, and heat treatment condition as per IS 9550 Annex A.
Is it mandatory to specify the surface defect class?
Itâ??s recommended, especially for critical applications. You can choose from Class 1 to Class 4 as per IS 9550 defect depth guidelines.
What kind of marking is required under IS 9550?
Bars over 50 mm dia are stamped; smaller sizes are bundled and tagged with supplier name, heat number, and size details.

By Steelmet Industries Team â?? Experts in Special Steels

Category

1. IS:9550-2001

Tags

1. Buyer Checklist
2. Engineering Steel Standards
3. IS 9550
4. MTC
5. Steel Ordering
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