

What is IS:9550? Overview of Bright Steel Bars Specification for Manufacturers and Buyers

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

Description

IS:9550 â?? Bright Steel Bars Specification: What Manufacturers and Buyers Must Know

IS:9550:2001 is the Indian Standard that specifies the requirements for **Bright Steel Bars** â?? including cold drawn, turned, turned and reeled, or ground bars. These bars are suitable for general engineering purposes, machining into components, or direct use in constructional applications.

At **Steelmet Industries**, we specialize in manufacturing and supplying bright steel bars that conform strictly to IS:9550 standards.

Scope of IS:9550

The standard covers bright bars that are:

- Cold drawn
- Turned
- Turned and reeled
- Ground

These bars are meant for heat treatment, machining, or direct use in finished condition â?? including for threaded and machined components.

Types of Bright Bars as per IS:9550

Table 1: Types of Bright Bars and Key Characteristics

Type	Process	Key Properties
Drawn	Cold drawing after descaling	Improved shape, finish, and dimensional accuracy
Turned	Lathe or centreless turning	Free from rolling defects, improved surface
Turned and Reeled	Turned followed by reeling	Better straightness and finish
Ground	Ground and polished	Superior finish and tight tolerances

Applicable Industries

- Automotive components
- Machinery parts
- Construction and structural uses
- Tooling and precision equipment

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Manufacturing Conditions

IS:9550 permits the steel to be supplied as *rimmed*, *semi-killed*, or *fully killed*, based on mutual agreement between buyer and manufacturer.

Supply Conditions and Sizes

Bars are typically delivered in sizes up to 45 mm with sheared ends. Lengths range from **2.5 m to 4.5 m**, unless otherwise agreed.

Surface, Tolerance, and Testing

While this post is an overview, detailed information on surface conditions, tolerances (h10, h11, etc.), and mechanical testing is available in upcoming parts of this series.

Why Steelmet Industries?

We at Steelmet Industries ensure:

- Compliance with IS:9550 and other relevant Indian/International standards
- Bright bars suitable for CNC machining, forging, threading, etc.
- Traceability and full documentation

Need IS 9550-compliant bright bars?

Contact Steelmet Industries for pricing, availability, and technical support.

FAQs about IS:9550 Bright Steel Bars

What is IS:9550?
IS:9550 is the Bureau of Indian Standards specification for bright steel bars including cold drawn, turned, ground, and turned and reeled bars for engineering and structural applications.
What types of bright bars are covered in IS:9550?
The standard covers cold drawn, turned, turned and reeled, and ground bright bars.
What sizes and lengths are covered under IS:9550?
Bars typically range up to 45 mm with lengths between 2.5 m to 4.5 m, though other lengths may be supplied by agreement.

By Steelmet Industries Team â?? Experts in Special Steels

Category

1. IS:9550-2001

Tags

1. Bright Bar Sizes
2. Engineering Steels
3. IS 9550
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5. ØµÙ?Ø§Ø¹Ø§Øª Ø³Øª Ù?Ù Ù?Øª
6. Turned Bars
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9. ground bars

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