

## STEEL ROD

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Here is an overview of the primary types of steel rods available and their specific applications.

You said: STEEL ROD

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### Concrete Reinforcing Bars (Rebar)

These rods feature a ribbed surface texture designed to create a strong mechanical bond with concrete, handling high tensile stress in structural builds.

- Manufactured to BS 4449:2005 Grade B500 B/C standards for commercial-grade structural integrity.
- Features a ribbed surface texture that prevents slippage and guarantees superior concrete bonding.
- Available in precise construction diameters including 8mm, 10mm, 12mm,

### Stainless Steel Smooth Round Stock

These feature a smooth, polished, or unpolished mill finish and are used for precision machining, gear shafts, tools, and marine-grade fabrication.

- Contains molybdenum and higher nickel content to provide superior corrosion resistance in marine environments.
- An unpolished, annealed austenitic alloy that can be cold worked to increase strength and hardness.
- Meets strict SAE Aerospace Material Specifications AMS 5648 for tight standard tolerances.

- General-purpose SS-304 formulation ideal for structural, machining, and engineering frameworks.
- Supplied as solid shaft rods measuring 14mm in diameter and 300mm in length.
- Extremely hard, thick, and rust-resistant, making it perfect for custom miniature axle or motor shaft DIY crafts. [1, 2, 3, 4]

To help give you the most relevant options, what is your **intended application** (e.g., masonry reinforcement, machine parts, or structural welding), and what **rod diameter** do you require?