



SAE 1018 Cold Drawn Bright Steel Round Bars – Ideal for Precision Machining

Description

SAE 1018 cold drawn bright steel round bars are among the most widely used low carbon steel products in the engineering and automotive industries. Cold drawing not only enhances their dimensional accuracy but also improves surface finish and mechanical properties compared to hot rolled counterparts.

At **Steelmet Industries**, we manufacture and supply **SAE 1018 bright steel rounds** in a comprehensive size range, including **non-standard diameters** and **custom cut lengths**. These bars are ideal for components requiring **tight tolerances**, **good machinability**, and **consistent quality**.

Key Features of SAE 1018 Cold Drawn Rounds

- **Chemical Composition:** ~0.18% Carbon
- **Condition:** Cold drawn, bright finish
- **Surface:** Smooth and scale-free
- **Improved Mechanical Strength** over hot rolled
- **Excellent Machinability**
- **Good Weldability and Formability**

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- Suitable for Case Hardening
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Applications of SAE 1018 Bright Steel Round Bars

SAE 1018 rounds are used in a wide variety of precision-engineered components:

- Fasteners and pins
- Machine parts and bushings
- Shafts and spindles
- Automotive linkages and components
- Textile and agricultural machinery
- Tools and fixtures

For job shops and OEMs, these bars provide the optimal balance of **machinability**, **weldability**, and **dimensional stability**.

Available Variants at Steelmet Industries

Besides round bars, **SAE 1018** is also available in:

- Cold drawn hexagons
- Squares, flats, and special profiles
- Peeled or ground conditions
- Custom profile bars like half-rounds, irregular hexagons, D-shapes

Explore our offerings on the [What We Do](#) page.

Global Equivalent Grades for SAE 1018

Standard	Equivalent Grade
SAE	1018
EN	C15E, C16E
DIN	1.1141 (C15E), 1.0401 (C15)
BS970	080M15
IS	IS 1875 C15
JIS	S15C
ISO	C16
GOST	15
AFNOR	XC18
UNI	C15E
GB (China)	15

Note: Grade equivalency is based on chemical composition and may not imply identical mechanical or metallurgical properties. Always confirm with specifications.

For more, visit:

- [SAE Specification](#)
- [DIN Specification](#)
- [BS970 1955](#)

Why Source SAE 1018 Bright Rounds from Steelmet Industries?

- Large and non-standard diameter availability
- Custom length cutting services
- Scheduled dispatches for consistent supply
- Comprehensive documentation upon request:

- Test certificates (MTCs)
- Lorry receipts
- Lab analysis and inspection reports
- Third-party inspections

We maintain strict quality control standards. See our [Quality Policy](#) for details.

Get in Touch with Steelmet Industries

Serving customers in **India and across the globe**, we are ready to support your requirements for SAE 1018 bright bars.

Submit your inquiry here: [Enquiry Form](#)

• Website: www.steelmet.in

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Category

1. SAE:1018

Tags

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4. low carbon steel
5. Machinable Steel
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Steelmet Industries - Bright Bars, Alloy Steels, Free Cutting Steels, Stainless Steels