

EN19 Rolled Rounds â?? The Industry Standard for Strength and Machinability

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

DescripciÃ³n

EN19, as per **BS970:1955**, is a medium carbon chromium-molybdenum alloy steel known for its **high tensile strength**, **excellent wear resistance**, and **superior toughness**. Steelmet Industries offers **EN19 rolled round bars** in diameters ranging from **16mm to 200mm**, available in multiple conditions including **as-rolled**, **softened/annealed**, and **machinable** formats.

These bars are widely used in **automotive**, **machinery**, **forging**, and **precision engineering** industries across India and international markets.

Key Characteristics of EN19 Rolled Rounds

- **Standard:** BS970:1955
- **Grade:** EN19
- **Composition (approx.):** C 0.35â??0.45%, Cr 0.9â??1.2%, Mo 0.2â??0.35%
- **Condition:** Rolled, Annealed, Rough Machined
- **Heat Treatable:** Yes â?? widely used in Q&T condition
- **Hardness Range:** Can be hardened up to 58 HRC after treatment
- **Machinability:** Good in annealed condition

- **Weldability:** Moderate â?? requires precautions

Common Applications of EN19 Rolled Bars

EN19 is a versatile and highly demanded alloy steel used in:

- **Automotive Parts:** Axles, shafts, pinions, gears
- **Industrial Equipment:** Couplings, spindles, lifting parts
- **Machine Tools:** Tool holders, arbors, fixture components
- **Forgings & Heat Treated Components:** Crankshafts, connecting rods
- **Hydraulic Machinery:** Pistons, rods, sleeves

EN19 combines strength and ease of processing, making it ideal for post-machining heat treatment.

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

Availability at Steelmet Industries

We offer **EN19 Rolled Rounds** in the following formats:

- **Size Range:** 16mm to 200mm in rolled condition
- **Other Forms:** Forged bars (above 200mm), bright bars
- **Variants:**
  - EN19 Annealed â?? for machining
  - EN19 Normalized & Tempered
  - EN19 Quenched & Tempered

- **Other Sections:** Squares, flats, hexagons, custom profiles on request
- **Custom Cutting:** Available for all sizes
- **End Finishing:** Chamfered, cleaned, bundled on request

Explore our What We Do section for more.

Global Equivalent Grades of EN19

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

Standard	Equivalent Grade
BS (1955)	EN19
BS (1991)	709M40
AISI / SAE	4140
ASTM	A29/A322 4140
DIN	42CrMo4 (1.7225)
ISO	42CrMo4
JIS	SCM440
GOST	38KhM
IS (India)	40CrMo6
GB (China)	42CrMo

Disclaimer: Equivalents are based on chemistry. Mechanical properties may vary based on processing route and treatment.

View related references:

- BS970 1955
- DIN Specifications
- SAE Steel Specs

Why Choose Steelmet for EN19 Rolled Bars?

- ð??© **Wide Diameter Range:** 16mm to 200mm
- ð??¨ **Custom Cuts & Profiles:** Lengths, finishes, bundling
- ð??? **Documentation:**
  - Test Certificates (MTC)
  - Internal Reports
  - Third-party Inspection (optional)
  - NABL-certified lab results
  - Lorry Receipts
- ð??• **Timely Deliveries:** Structured scheduling, repeat order flexibility
- ð??• **Reach:** Serving both Indian and global clients
- ð??§ **Support:** Technical assistance, process route traceability

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

Know more about our Quality Policy and commitment to engineering excellence.

Frequently Asked Questions â?? EN19 Rolled Rounds

Q1: Can EN19 be used in high wear or fatigue applications?

A: Yes, EN19 is ideal for applications with cyclic loading, high stress, and moderate wear after heat treatment.

Q2: Is EN19 better than EN8?

A: EN19 offers higher strength, better toughness, and more wear resistance compared to EN8.

Q3: What sizes of EN19 rolled rounds do you stock?

A: Steelmet offers EN19 rolled rounds from 16mm up to 200mm diameter, with other forms like forged or bright bars also available.

Q4: Is EN19 weldable?

A: Yes, but welding must be done with care using low hydrogen electrodes and preheat/postheat treatment to avoid cracking.

Q5: Do you supply EN19 with MTCs and third-party lab tests?

A: Absolutely. We offer comprehensive documentation, including third-party inspections and NABL test reports, upon request.

Ready to Order EN19 Rolled Bars?

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

ð??? **Call:** 0712-2728071 (India) | +91-712-2728071 (Overseas)
ð??• **Website:** www.steelmet.in
ð??¨ **Enquiry Form:** Submit Your Requirement

Whether youâ??re in **India or exporting globally**, Steelmet is your reliable partner for alloy steel bars.

CategorÃa

1. GuÃa de Grados
2. Posts

Etiquetas

1. 709M40
2. EN19 Bars for Machining
3. EN19 India Supplier
4. EN19 Rolled Rounds
5. EN19 Shafts
6. Rolled Alloy Steel
7. SAE 4140
8. SCM440
9. Barras de acero aleado

Fecha
03/11/2026
Autor
admin