



## SAE1006 Wire Rod Coils – Dia 5.5mm to 12mm – Excellent Cold Forming Steel

### Description

**SAE1006** is a **low-carbon steel grade** known for its excellent **cold formability, weldability, and surface finish**. It is especially suitable for **cold drawing, forming, and welding applications** where superior ductility and low strength are desired.

At **Steelmet Industries**, we supply **SAE1006 wire rod coils** in the size range of **5.5mm to 12mm diameter**, with close control over **chemistry, surface quality, and coil parameters**. These are ideal for downstream processes like wire drawing, annealing, galvanizing, and fastener manufacturing.

## Key Characteristics of SAE1006 Wire Rod Coils

- **Standard:** SAE J403
- **Grade:** SAE1006
- **Form:** Wire Rod Coil
- **Size Range:** 5.5mm to 12mm
- **Coil Weight:** 1.8 to 2.2 MT (typical)
- **Surface Condition:** As Rolled / Pickled / Descaled

- **Carbon Content:** ~0.03-0.08%
  - **Tensile Strength:** Low, suited for cold deformation
  - **Cold Workability:** Excellent
  - **Weldability:** Excellent
  - **Machinability:** Fair, best when annealed
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## Applications of SAE1006 Wire Rods

SAE1006 wire rods are widely used in:

- Cold drawn wires for general applications
  - Galvanized wire, binding wire, and fencing wire
  - Nails, screws, rivets, and hardware items
  - Wire ropes, chains, and mesh
  - Wire for furniture and storage racks
  - Welding wire and rod manufacturing
  - Low-carbon seamless tubing (after further processing)
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## Alternatives and Related Wire Rod Grades

Steelmet Industries also supplies:

- **SAE1008 / SAE1010 Wire Rods** for higher strength
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- **C10 / S10C / C15 Wire Rods** for slightly higher carbon content
- **Cold drawn and annealed wires** in coils or cut lengths
- **Custom coil weight packaging** available upon request

See full range of [What We Do](#).

## Global Equivalents of SAE1006

Standard	Equivalent Grade
SAE	1006
AISI	1006
EN	C5, C6, C6D (EN 10277)
DIN	C6D1, 1.0330
ISO	C06
JIS	SWRM6, SWRM8
IS	1006 / Fe410WA
GOST	08D?D? / 10D?D?
GB (China)	Q195
BS	040A04

*Disclaimer: Always verify exact equivalence using mechanical and chemical requirements.*

More:

- [SAE Specs](#)
- [DIN Specs](#)
- [JIS Specs](#)

## Why Choose Steelmet Industries?

- **Precise size range from 5.5mm to 12mm**
- **Full traceability with test certificates, if required**
- **Custom coil weights and special packaging**
- **Timely dispatches for scheduled deliveries**
- **Serving customers in India and worldwide**
- **Capability to meet bulk and regular orders with consistency**
- **Third-party inspections, lab reports, endorsed MTCs available on request**

Read our [Quality Policy](#) to know how we maintain consistency.

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## Frequently Asked Questions **SAE1006 Wire Rod Coils**

### **Q1: What is SAE1006 wire rod used for?**

**A:** It's used in cold drawing, forming operations, and production of galvanized wires, nails, fencing wires, and welding rods.

### **Q2: Is SAE1006 suitable for welding consumables?**

**A:** Yes, it's ideal for MIG wire and core wire used in welding electrodes due to its low carbon content and cleanliness.

### **Q3: Can I get these in specific coil weights?**

**A:** Yes. Steelmet can supply coils as per customer's handling limitations or packing preferences.

### **Q4: Do you supply test certificates?**

**A:** Yes, we provide MTCs and third-party endorsed documents upon request and agreement.

### **Q5: Are 1006 and 1008 interchangeable?**

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**A:** No. SAE1008 has higher carbon content and is used when slightly higher strength is required. SAE1006 is softer and better for deep drawing.

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## Call to Action â?? Enquire Now for SAE1006 Wire Rod Coils

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ð??© Enquiry Form: <https://www.steelmet.in/cms/en/contact-us/enquiry.html>

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### Author

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