

STEEL FORMING COMPANY

Data Sheet for Cold Drawn & Straightened Carbon Steel Wire

Product Name: Cold Drawn & Straightened Carbon Steel Wire

Standard: ASTM A1064/A1064M-24

Product Description:

Cold drawn carbon steel wire is produced by cold drawing and straightening processes to achieve precise diameter, enhanced mechanical properties, and consistent surface finish. It is used as raw material for welded wire reinforcement, prestressed concrete, and other reinforcement applications.

Wire Specifications:

Parameter	Value
Input Diameter	5.5 mm to 14 mm
Output Diameter	4 mm to 12 mm
Product Form	Coil or Spool
Production Capacity	10,000 tons/month
Wire Type	Carbon Steel, Cold Drawn & Straightened
Wire Finish	Black, smooth or deformed as per requirement

Mechanical Properties (Typical, ASTM A1064):

Property	Requirement / Typical Value
Yield Strength	≥ 485 MPa
Tensile Strength	≥ 550 MPa
Elongation	$\geq 4\%$

Manufacturing Compliance:

- ASTM A1064/A1064M-24
- Cold drawn from high-quality carbon steel rods
- Straightened to ensure dimensional accuracy and uniformity

Applications:

- Raw material for welded wire reinforcement
- Precast concrete reinforcement
- Prestressed concrete applications