

Products & Sizes

Bar

4.000" - 27.750"

CrMoV Chemical Composition

	Element	Min	Max
C	Carbon	0.17	0.25
Si	Silicon	≤ 0.40	-
Mn	Manganese	0.40	0.80
P	Phosphorus	≤ 0.030	-
S	Sulfur	≤ 0.030	-
Al	Aluminum	≤ 0.030	-
Cr	Chromium	1.20	1.50
Mo	Molybdenum	0.55	0.80
Ni	Nickel	-	0.60
V	Vanadium	0.20	0.35

Industry Standards

- B50A179B3
- B50A164B2
- B5F5B31
- B50A249
- B50391B

Industry Applications

- Steam turbines
- Valve casings
- Cast materials
- Boilers and pressure vessels
- Drills
- Connecting rods
- Gear wheels
- Power generation
- Petrochemical industry

Physical Properties

Property	Value
Density	0.282 lb/in ³

Mechanical Properties

- Modulus of Elasticity: 29,000 ksi
- Melting Process: Electric Arc
- Forming Process: Hot Rolled or Forged