

2. Heavy Machinery

- Mining shovel bucket pins
- Crusher frame bolts
- Hydraulic press tie rods

3. Energy Sector

- Boiler tube hanger bolts (ASTM A193 B16)
- Flange bolts for high-pressure piping
- Nuclear containment vessel studs

Technical Specifications

Grade	Standard	Proof Load (MPa)	Charpy Impact (J)	Corrosion Solution
AISI 4140	ASTM A193 B7	850+	27@-29°C	Cadmium plating
42CrMo4	EN 14399 HV	1100+	55@-40°C	Hot-dip galvanizing
B7M	NACE MR0175	725+	34@-46°C	Xylan coating
AISI 8740	ASTM A320 L7	950+	40@-60°C	PTFE impregnation

*Special processing available:

- Rolled threads (vs cut) for 30% greater fatigue life
- Ultrasonic testing of 100% of critical fasteners
- Dimensional certification to EN 10204 3.1/3.2*

Why Steelmet is Trusted for Critical Fasteners

• Heavy industry expertise • 15+ years serving EPC contractors
• Large diameter capability up to 150mm

