

MP159 fasteners provide industry superior high strength at extreme high temperatures. Offering slightly less strength than sister alloy MP35N, MP159 bolts can be used at much higher temperatures – up to 1100°F – and beyond in short term situations. In addition, they also offer excellent ductility and toughness, as well as fatigue and creep resistances at elevated temperatures. MP159 bolts are also corrosion resistant to mineral acids, hydrogen sulfide, seawater and salt spray.

Properties

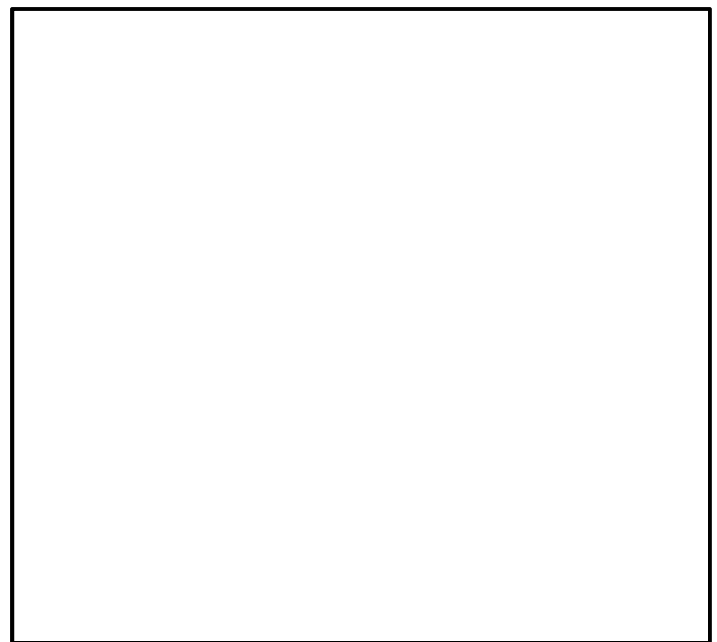
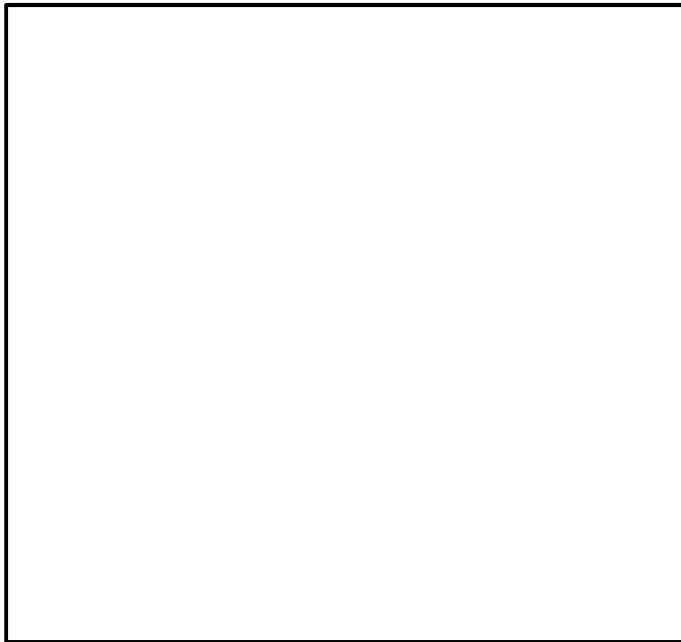
Ultimate Tensile Strength	275 ksi (aged)
Yield Strength at 0.2%	265 ksi (aged)
Elongation %	12
Usable Temperature Limit	1100°F / 593°C

Chemistry & Specifications

MP159	Co	Ni	Cr	Fe	Mo	Ti	Nb	Al
Typical %	35.7	25.5	19	9	7	3	0.6	0.2

SPECIFICATIONS: UNS R30159

Material Data



Key Benefits

- Excellent high strength
- Maintains superior strength to 1100°F
- Excellent high temperature fatigue and creep resistance
- Excellent resistance to crevice corrosion, stress corrosion cracking and hydrogen embrittlement
- Moderate general corrosion resistance