

Alloy 159® Chemical Composition				Industry Standards	Industry Applications
	Element	Min	Max		
Co	Cobalt	-	36.00	<ul style="list-style-type: none"> <li>• GE Aircraft Engine (GT193)</li> <li>• GE Aviation S-SPEC-35 AeDMS S-400</li> <li>• RR SABRe Edition 2</li> <li>• PWA LCS</li> <li>• DFARS Compliant</li> </ul>	<ul style="list-style-type: none"> <li>• Landing gears and bolt material</li> <li>• Solid rocket boosters</li> <li>• Jet engines</li> <li>• Chemical processing</li> <li>• Pulp and paper</li> <li>• Power generation equipment</li> <li>• Marine equipment</li> </ul>
Ni	Nickel	-	25.00		
Cr	Chromium	-	19.00		
Fe	Iron	-	9.0		
Mo	Molybdenum	-	7.00		
Ti	Titanium	-	3.00		
Nb	Columbium	-	0.60		
Al	Aluminum	-	0.20		

## Physical Properties

Property	Value
Density	0.304 lb/in <sup>3</sup>

## Mechanical Properties

Property	Value
Condition	Annealed
Tensile Strength	843 MPa
Yield Strength	298 MPa
Elongation	60%
Reduction of Area	69%