

Products & Sizes

Plate	Bar
0.500" - 4.000"	0.500" - 6.500"

15-5 PH Chemical Composition

	Element	Min	Max
C	Carbon	-	0.07
Cr	Chromium	14.0	15.5
Cu	Copper	2.5	4.5
Fe	Iron	-	Balance
Si	Silicon	-	1.00
S	Sulfur	-	0.03
Ni	Nickel	3.5	5.5
Mn	Manganese	-	1.0
P	Phosphorus	-	0.04
Nb Ta	Niobium plus Tantalum	0.15	0.45

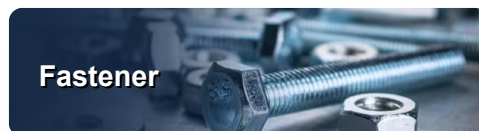
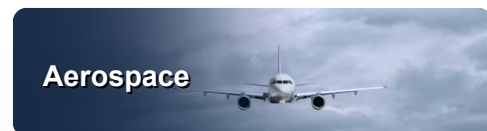
Industry Standards

- DFARS Compliant

Industry Applications

- Aerospace applications
- Fasteners
- Oil & Gas applications
- Power generation
- Valves, gears and pumps
- Food processing

Related Industries



Physical Properties

Condition	A	H900	H 1075	H1150
Density lb/in ³ (g/cm ³)	0.280 (7.75)	0.282 (7.81)	0.283 (7.83)	0.284 (7.86)
Thermal Conductivity 70-212°	10.6	10.3	-	-
Thermal Conductivity 70-932°	13.1	13.1	-	-
Electrical Resistivity	98	77	80	86

Mechanical Properties

Condition	Ultimate Tensile Strength	Yield Strength	Elongation	Reduction of Area	Hardness Brinell	Hardness Rockwell
H900	190,000	170,000	6	15	388	C40
H1025	155,000	125,000	8	27	331	C35
H1075	145,000	125,000	9	28	311	C32
H1150	135,000	105,000	11	30	277	C28
H1150-M	115,000	75,000	14	35	255	-