

MANIAR SPECIFICATION

Stainless steel 17 – 4 PH Condition H1150 min Yield 120ksi

REFERENCED SPECIFICATIONS

- ASTM A370: Mechanical Testing of Steel Products

This specification pertains to UNS S17400 precipitation hardening stainless steel bars, forgings and components in the H1150 or H1100 condition.

MATERIAL PROPERTIES

Chemical Composition : The Chemical composition in accordance to UNS number S17400:

element	C	Mn	Ni	Cu	Nb	Cr		Si	P	S
Min.	---	---	3.00	3.00	0.15	15.0		---	---	---
Max.	0.07	1.0	5.00	5.00	0.45	17.5		1.00	0.030	0.030

Mechanical Properties: The mechanical properties in Accordance with ASTM A370:

	Yield Strength Ksi (MPa)	Tensile Strength ksi (MPa)	Elongation	Reduction	Hardness Rockwell C
Min.	120.0 (827)	135.0 (931)	14%	45%	31
Max.	---	---	---	---	38