



17-4PH

composition
after sintering
standards

Ni%	Cr%	C%	Cu%	Nb+Ta%	Mn%	Si%	Fe%
3.0-5.0	15.5-17.5	≤0.07	3.0-5.0	0.15-0.45	≤1.0	≤1.0	balance

GB 0Cr17Ni4Cu4Nb ; DIN 1.4542, X 5 CrNiCuNb 17 4 ;
AISI/UNS S17400; SAE J 467 (17-4PH);MPIF MIM-17-4PH
as sintered

heat-treated

Characteristic
Properties
(Typical values are
shown in bracket)

Density\g/cm ³	≥7.6	
Yield Strength R _{P0.2} \Mpa	≥700 (750)	≥1090 (1200)
Ultimate Tensile Strength\Mpa	≥850 (900)	≥1200 (1300)
Elongation\%	≥6	≥6
Hardness	260-350 HV0.3 or 24-35 HRC	36-42 HRC (40-42)

corrosion resistance

48h neutral salt spray test
qualified