

17-4PH

17-4PH is a chromium-nickel-copper precipitation-hardening martensitic stainless steel. Combining high strength and wear resistance with corrosion resistance and weldability, makes for a very versatile material.

The material is used within many industries - petroleum, chemical, aerospace etc. - in everything from heavy-duty machine components to couplings, screws, drive shafts, nuts and more. Properties can be tailored through heat treatments toward the specific requirements.

COMPOSITION - TYPICAL VALUES

	Typical 17-4PH
Fe	Balance
Cr	16,5
Ni	4
Cu	3,5

PHYSICAL PROPERTIES - TYPICAL VALUES

Composition (% weight)	As Sintered	H900
Ultimate tensile strength (MPa)	950	1250
Yield strength (MPa)	730	1100
Elongation (%)	4	7
Hardness (HRC)	27	38
Relative density (%)	98	98



As Sintered



FEATURES

- High strength and wear resistance
- Corrosion resistance
- Weldable
- Hardenable
- Magnetic

TENSILE PROPERTIES - AS SINTERED VS H900

