

## DIRECT METAL LASER SINTERING

# Stainless Steel 17-4PH

## Product Specifications

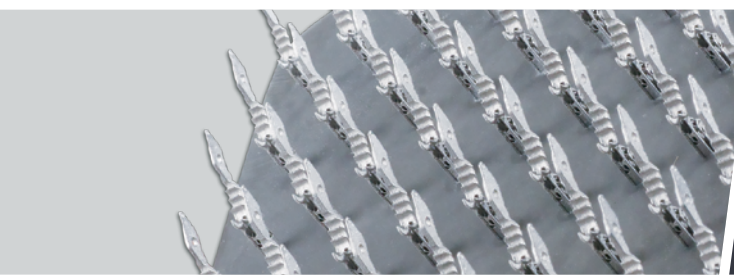


### Product Description

Stainless Steel 17-4 PH is a precipitation hardened stainless steel that is known for its hardness and corrosion resistance. If needing a stainless steel option, select 17-4 PH for its significantly higher tensile strength and yield strength, but recognize that it has far less elongation at break than 316L. Final parts built 17-4 PH receive vacuum solution heat treatment as well as H900 aging.

### Applications

17-4PH is a martensitic precipitation hardening stainless steel that is known for its hardness and corrosion resistance. Applications include medical, aerospace, and mechanical components.



### Key Product Benefits

- ▶ Heat treated for full hardness and strength
- ▶ Corrosion resistance

### Properties

Resolution	Condition	Ultimate Tensile Strength (ksi)	Yield Stress (ksi)	Elongation (%)	Hardness
20 $\mu\text{m}$	Solution & Aged (H900)	199	178	10	42 HRC
30 $\mu\text{m}$	Solution & Aged (H900)	198	179	13	42 HRC