

17-4PH

Martensitic precipitation-hardening stainless-steel ideal for applications requiring high strength, hardness and moderate corrosion resistance

Key Features:

- > Excellent tensile strength
- > Moderate corrosion resistance
- > Excellent processability with laser sintering technology

Example Applications:

- > High-performance parts for aerospace industry
- > Medical devices and surgical instruments
- > Chemical, Oil & Gas industry

[Technical Data]

General Properties

Density <small>ISO3369</small>	≥ 7.70 g/cm ³
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Mechanical Properties

(As built)

Tensile Strength <small>ISO6892-1</small>	≥ 900 MPa
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Yield Strength <small>ISO6892-1</small>	≥ 800 MPa
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Elongation after Fracture <small>ISO6892-1</small>	≥ 12 %
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Rockwell hardness <small>ISO6508-1</small>	≥ 28 HRC
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Mechanical Properties ¹

(Heat treated)

Tensile Strength <small>ISO6892-1</small>	≥ 1000 MPa
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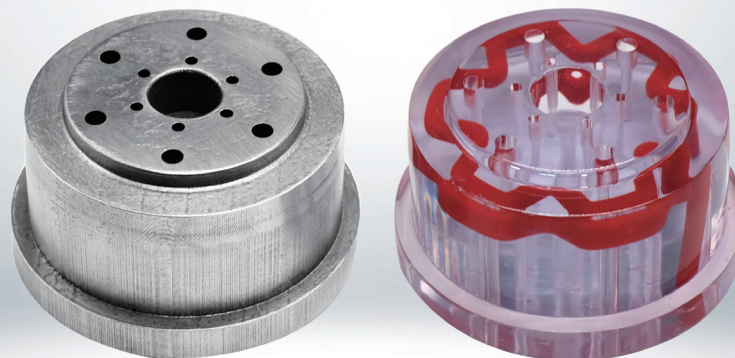
Yield Strength <small>ISO6892-1</small>	≥ 930 MPa
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Elongation after Fracture <small>ISO6892-1</small>	≥ 15 %
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Rockwell hardness <small>ISO6508-1</small>	≥ 32 HRC
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¹ For more information on heat treatment process, please contact us directly. Farsoon systems are open material platform. For special materials such as tungsten, tantalum and pure copper, please contact us with your inquiries or requirements.

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Casting Die for Auto Engine
 Piston Production
 System: FS273M
 Partner: Shandong Binzhou
 Bohai Piston Co., Ltd.

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