

15-5PH

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

Key Features:

- > Outstanding mechanical properties including high tensile strength and toughness
- > Moderate corrosion resistance
- > Excellent processability with laser sintering technology

Example Applications:

- > High-performance parts for aerospace industry such as fasteners and structural components
- > Metalworking industry
- > Medical device engineering
- > Chemical, Oil & Gas industry

[Technical Data]

General Properties

Part Density <small>ISO3369</small>	≥ 7.76 g/cm ³
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Mechanical Properties ¹

(Heat treated)

Tensile Strength <small>ISO6892-1</small>	≥ 1360 MPa
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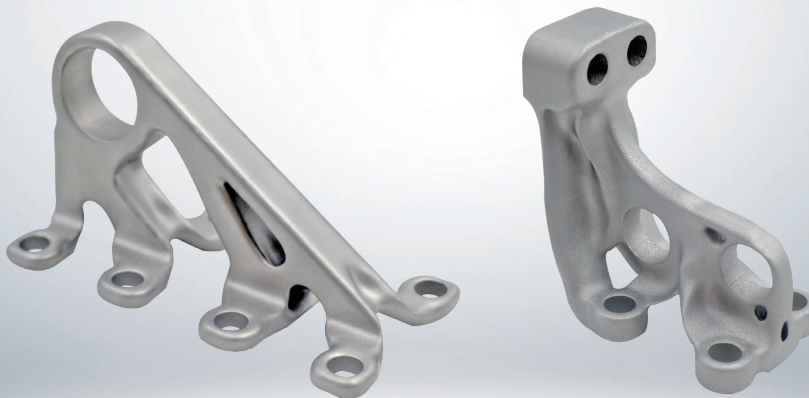
Yield Strength <small>ISO6892-1</small>	≥ 1040 MPa
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Elongation after Fracture <small>ISO6892-1</small>	≥ 11 %
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Vickers hardness <small>ISO6507-1 / ISO6508-1</small>	≥ 40 HV5/15
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¹ 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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Bearing brackets
System: FS273M

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