

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]

Mechanical **Properties** (As built)

Mechanical **Properties**¹ (Heat treated)

General Properties

Density ISO3369	≥7.76 g/cm³
Tensile Strength ISO6892-1	≥1100 MPa
Yield Strength ISO6892-1	≥650 MPa
Elongation after Fracture ISO6892-1	≥12 %
Rockwell hardness	≥32 HRC
Tensile Strength ISO6892-1	≥1360 MPa
Yield Strength ISO6892-1	≥1040 MPa
Elongation after Fracture ISO6892-1	≥11 %
Rockwell hardness ISO6508-1	≥40 HRC

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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