

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	Density	ISO3369	≥ 7.76 g/cm ³
Mechanical Properties (As built)	Tensile Strength	ISO6892-1	≥ 1100 MPa
	Yield Strength	ISO6892-1	≥ 650 MPa
	Elongation after Fracture	ISO6892-1	≥ 12 %
Mechanical Properties ¹ (Heat treated)	Rockwell hardness	ISO6508-1	≥ 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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