

# 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:

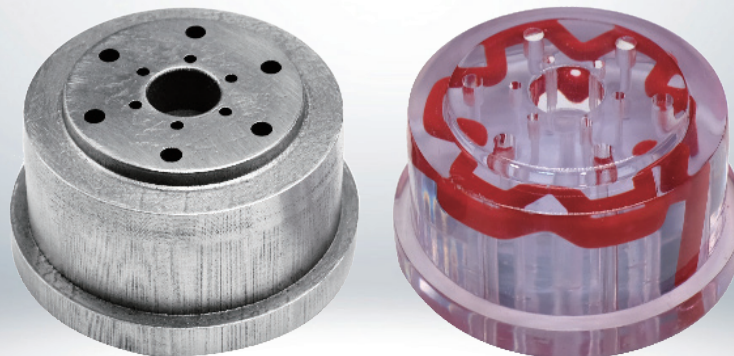
- > High-performance parts for aerospace industry
- > Medical devices and surgical instruments
- > Chemical, Oil & Gas industry

## [ Technical Data ]

<b>General Properties</b>	<b>Part Density</b> <small>ISO3369</small>	≥ 7.70 g/cm <sup>3</sup>
<b>Mechanical Properties</b> <sup>1</sup> (Heat treated)	<b>Tensile Strength</b> <small>ISO6892-1</small>	≥ 1200 MPa
	<b>Yield Strength</b> <small>ISO6892-1</small>	≥ 1130 MPa
	<b>Elongation after Fracture</b> <small>ISO6892-1</small>	≥ 12 %
	<b>Vickers hardness</b> <small>ISO6507-1 / ISO6508-1</small>	≥ 42 HRC

<sup>1</sup> 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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 Piston Production  
 System: FS273M  
 Partner: Shandong Binzhou  
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