

# HX

Nickel-based alloy suits high-temperature industrial applications in corrosive environments

## Key Features:

- > High corrosion resistance
- > High strength, ductility
- > Excellent oxidation resistance at high temperature conditions
- > Outstanding creep strength under high temperature

## Example Applications:

- > High-performance parts for aerospace and energy industry
- > High-temperature applications
- > Gas turbine components
- > Chemical industry

### [ Technical Data ]

General Properties	Density	ISO3369	≥8.30 g/cm <sup>3</sup>
Mechanical Properties (As built)	Tensile Strength	ISO6892-1	≥800 MPa
	Yield Strength	ISO6892-1	≥600 MPa
	Elongation after Fracture	ISO6892-1	≥28 %
Mechanical Properties <sup>1</sup> (Heat treated)	Vickers hardness	ISO6507-1	≥260 HV5/15
	Tensile Strength	ISO6892-1	≥680 MPa
	Yield Strength	ISO6892-1	≥330 MPa
	Elongation after Fracture	ISO6892-1	≥30 %
	Vickers hardness	ISO6507-1	n/a

<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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Combustion Chamber  
 Flame Tubes  
 System: FS273M  
 Partner: Chengli Aviation

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