

Maraging Steel Grade 300

Genuine tool steel 18Ni300 offering superior strength and toughness

Key Features:

- > Excellent and stable mechanical properties
- > High strength and hardness
- > Easily heat-treatable and machinable to obtain required hardness & strength

Example Applications:

- > Producing a variety types of tools and molds
- > Great choice for manufacturing of plastic injection molds with internal cooling channels
- > High-performance parts in aerospace and automotive engineering

[Technical Data]

General Properties

Density <small>ISO3369</small>	≥8.00 g/cm ³
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Mechanical Properties

(As built)

Tensile Strength <small>ISO6892-1</small>	≥ 1150 MPa
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Yield Strength <small>ISO6892-1</small>	≥950 MPa
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Elongation after Fracture <small>ISO6892-1</small>	≥ 10 %
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Rockwell hardness <small>ISO6508-1</small>	≥34 HRC
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Mechanical Properties ¹

(Heat treated)

Tensile Strength <small>ISO6892-1</small>	≥ 1900 MPa
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Yield Strength <small>ISO6892-1</small>	≥ 1600 MPa
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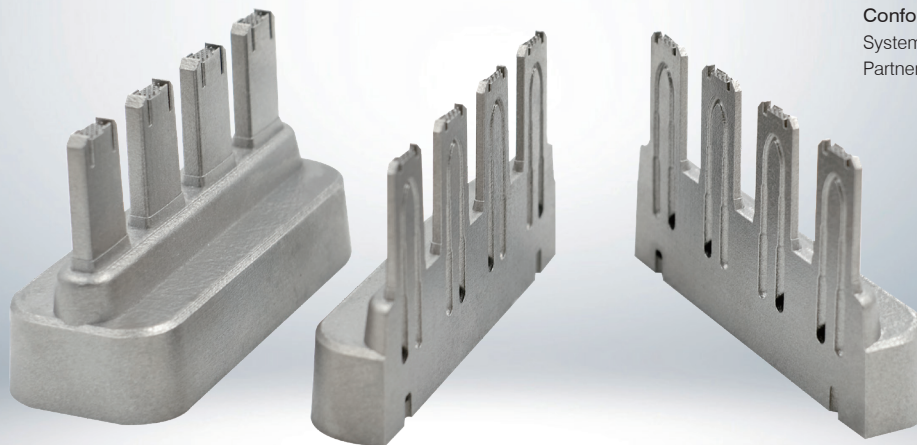
Elongation after Fracture <small>ISO6892-1</small>	≥ 3 %
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Rockwell hardness <small>ISO6508-1</small>	≥48 HRC
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¹ For more information on heat treatment process, please contact us directly.

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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Conformal Cooling Mold
 System: FS273M
 Partner: Oerlikon

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