

**AISI T8 High Speed Tool Steel China suppliers, wholesale, distributors and stockholder. Otai Special Steel is manufacturers and have large quantity Stock in Warehouse.** We supply in Round bar, gauge plate steel, pipe /

Tube, rod, square, hexagonal, blanks, plate, sheet, precision ground flat bar, precision ground bar stock and hollow bar. provide black surface and black surface alloy steel material.

AISI T8 is a American high speed alloy steel material grade. it is shock resisting steel. it belong to ASTM A600-1999 standard. UNS Metal Steel Grade T12008, It is a High Speed steel, ASTM T8 is a tungsten type containing cobalt high speed steel, the W18Cr4V red hardness and the high temperature hardness is a little higher, but toughness is low, after quenching, surface hardness is 63 HRC. Used for high speed cutting tool, machine tool automation, for cutting high strength material.. Our Tool Steel material 100 % ultrasonic tested with good price. Small size steel products make by hot rolled, large size steel products make by forging.



AISI SAE T8 Steel material properties datenblatt as below:

Chemical composition data of Metal UNS T12008 T8 tool steel-ASTM A600-1999

C	Si	Mn	P	S	W	Cr	Mo
0.75~0.85	0.20~0.40	0.20~0.40	0.030 max	0.030 max	13.25-14.75	3.75~4.50	0.40-1

## Material equivalent of UNS T12008 | AISI T8 steel

USA	Germany	China	Japan	France	England	Italy	Poland	Czechia	Austria
AISI/SAE/UNS/ASTM	DIN, WNr	GB	JIS	AFNOR	BS	UNI	PN	CSN	ONORM
T8/UNS T12008/A600					BT8				

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## Physical properties of HSS UNS T12008 | T8 Tool Steel

- Density: 8.9kg/m<sup>3</sup>
  - Thermal conductivity:
  - Forging ratio: 5:1 Minimum
  - Microstructure:
  - Magnetic:
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## Mechanical properties of Alloy Steel UNS T12008 | T8 High Speed

### Tool Steel

Hardness: Annealing: 269 HB max, Q+T: 63 HRc Min, different hardness according to different Tempering temperature.

- Yield strength:
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## Heat treatment of AISI T8 tool steel

- Annealing: Annealing temperature/°C: 750~790; After the annealing, degree of hardness ≤HBS: 225
  - Quenching: Hardening temperature/°C: 1277, Quenching in oil or air
  - Tempering: Commonly used drawing temperature/°C: 552; After tempering hardness HRC : 63 HRc Min
  - Normalizing: at Normalizing temperature, then cool in furnace
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## Forged steel properties of T8 high tool steel

For forging UNS T12008 | T8 steel, Slowly Pre-heat, at temperature/°C: 900~1100 Forged

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## Processing of HSS Steel Material UNS T12008 | T8

Otai Special provide the Grinding, milling , polishing, turning, drilling and others machining service as your required tolerances and size.

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### Packing of AISI T8 steel

By steel Wire Bundling then put in container, or as customer require packing.

**Contact us now! Free sample waiting for you.**

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