

AISI M6 High Speed Tool Steel China suppliers, wholesale, distributors and stockholder. Otai Special Steel is manufacturers and have large quantity Stock in Warehouse. M6 hss steel is a molybdenum-cobalt high speed steel. We supply in hss steel 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 M6 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 T11306, It is a High Speed steel, ASTM M6 is a molybdenum intermediate type high speed steel, after quenching, surface hardness is 64 HRC min. 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 M6 Steel material properties datenblatt as below:

Chemical composition data of Metal UNS T11306 M6 tool steel-

ASTM A600-1999

C	Si	Mn	P	S	Cr	Mo	V
0.75~0.85	0.20~0.45	0.15~0.40	0.030 max	0.030 max	3.75~4.50	4.50~5.50	1.30~

Material equivalent of UNS T11306 | AISI M6 steel

USA	Germany	China	Japan	France	England	Italy	ISO	Czechia	Austria
AISI/SAE/UNS/ASTM	DIN, WNr	GB	JIS	AFNOR	BS	UNI	ISO	CSN	ONORM
M6 /UNS T11306/A600									

Physical properties of HSS UNS T11306 | M6 Tool Steel

- Density: 8.9kg/M6
- Thermal conductivity:
- Forging ratio: 5:1 Minimum
- Microstructure:
- Magnetic:

Mechanical properties of Alloy Steel UNS T11306 | M6 High Speed Tool Steel

Hardness: Annealing: 277 HB max, Q+T: 64 HRc Min, different hardness according to different Tempering temperature.

- Yield strength:

Heat treatment of AISI M6 tool steel

- Annealing: Annealing temperature/°C: 750~790; After the annealing, degree of hardness \leq HBS: 277. After Cold Drawn 293 HBS Max
- Quenching: Hardening temperature/°C: 1188, Quenching in Salt bath furnace
- Tempering: Commonly used drawing temperature/°C:552; After tempering hardness HRC : 64 HRC Min
- Normalizing: at Normalizing temperature, then cool in furnace

Forged steel properties of M6 high tool steel

For forging UNS T11306 | M6 steel, Slowly Pre-heat, at temperature/°C: 900~1100 Forged

Processing of HSS Steel Material UNS T11306 | M6

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

Packing of AISI M6 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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