

AISI M3 CLASS2 High Speed Tool Steel China suppliers, wholesale, distributors and stockholder. Otai Special Steel is manufacturers and have large quantity Stock in Warehouse. It is a molybdenum 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 M3 CLASS2 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 T11323, It is a High Speed steel, ASTM M3 CLASS2 is a molybdenum intermediate type high speed steel, after quenching, surface hardness is 61 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 M3 CLASS2 Steel material properties datenblatt as below:

Chemical composition data of Metal UNS T11323 M3 CLASS2 tool steel-ASTM A600-1999

C	Si	Mn	P	S	Cr	Mo	V
1.15~1.25	0.20~0.45	0.15~0.40	0.030 max	0.030 max	3.75~4.50	4.75~6.50	2.25~

Material equivalent of UNS T11323 | AISI M3 CLASS2 steel

USA	Germany	China	Japan	France	England	Italy	ISO	Czechia	Aust
AISI/SAE/UNS/ASTM	DIN,WNr	GB	JIS	AFNOR	BS	UNI	ISO	CSN	ONC
M3 CLASS2/UNS T11323/A600	S 6-5-3 / 1.3344	CW6Mo5Cr4V3	SKH53	HS6-5-3	BM3 CLASS2		HS 6-5- 3		

Physical properties of HSS UNS T11323 | M3 CLASS2 Tool Steel

- Density: 8.9kg/m3
- Thermal conductivity:
- Forging ratio: 5:1 Minimum
- Microstructure:
- Magnetic:

Mechanical properties of Alloy Steel UNS T11323 | M3 CLASS2 High Speed Tool Steel

Hardness: Annealing: 248 HB max, Q+T: 64 HRC Min, different hardness according
different Tempering temperature.

- Yield strength:

Heat treatment of AISI M3 CLASS2 tool steel

- Annealing: Annealing temperature/°C: 750~790; After the annealing, degree of hardness ≤HBS: 255. After Cold Drawn 269 HBS Max
- Quenching: Hardening temperature/°C: 1204, 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 M3 CLASS2 high tool steel

For forging UNS T11323 | M3 CLASS2 steel, Slowly Pre-heat, at temperature/°C: 900~1100
Forged

Processing of HSS Steel Material UNS T11323 | M3 CLASS2

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

Packing of AISI M3 CLASS2 steel

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

Contact us now! Free sample waiting for you.

Tel: 0086-769-33232622

Fax: 0086-769-88705839

Email (English): jack@otaisteel.com

Email (Español): johnlong@otaisteel.com