

O7 Tool Steel Oil-Hardening Cold Work Steel

O7 Tool steel is a cold work steel belong to ASTM A681-1999 Steel Grade standard. O7 Special Steel China Supplier and factory Otai Special Steel Supply O7 Cold Work Tool steel in Round bar, Plate, Flat bar, Square, Forging Ring and others any shape. And provide cutting, sawing, milled, machining processing.

Supply Form of O7 Steel -ASTM A681 Alloy Cold Work Tool Steel

			
Round	Plate	Sheet	Square

Supply Range of aisi O7 Tool Steel

O7 Steel Round Bar: diameter 5mm – 400mm

O7 Steel Plate: thickness 10 –500mm x width 200– 1400mm

O7 Steel Block: 210mm x 500-810mm

Chemical Composition of O7 Tool Steel Material

[illegible]

JIS G4404	C	Si	Mn	P	S	Cr	Mo	V	

O7 tool Steel Equivalent and Related Speciation

USA	German	Japan	China	ISO
ASTM A681	DIN 17350	JIS G4404	GB/T 1299	ISO 4957
O7				

ASTM AISI O7 Tool Steel Material Mechanical Properties

Hardness, Rockwell C: 65 HRC, Density: 7.67kg/m³

Izod impact unnotched: .

Melting point:

Thermal expansion: 12.48 mm/m°C (25-250 °C)

Elastic modulus: 190-210 GPa (at 25 °C).

Forged of Cold Work O7 Steel material metal

Forged O7 tool steel at 820-1070 °C. no forging when below 800 °C.

Heat Treatment of SAE/AISI O7 Steel

● O7 Steel Annealing

Slowly heat to 790 °C, keep enough time, ensure heat thoroughly. then cooling in furnace at 4-5 °C per hour. After annealing, the hardness 217 HBS Max.

● O7 tool Steel Hardening & Quenching

/ °C quenching temperature: 790~840

Quenching medium: oil

● Tempering Of O7 Steel

/ °C tempering temperature: 150 ~ 320

After tempering hardness HRC: 63-58

Application of Sae AISI O7 tool Steel

O7 tool steel used for cold work tool products. Like stamping die, paper cutter appliances.

Quality Assured of Sae O7 Steel

Quality assured by Our ISO 9001:2008 quality management system. Our all O7 tool steel all had by

SEP 1921-84 ultrasonic inspection (UT Test). Quality Grade: E/e, D/d, C/c.

If you have any O7 steel inquiry and question for Price, Application, hot treatment, please don't hesitate contact us.

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