
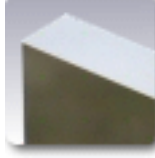
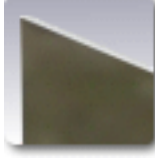



D2 Tool Steel | 1.2379 | Cr12Mo1V1 | X155CrMoV12-1 |

SKD11 Hot Work Steel

D2 Tool steel is a cold work steel belong to ASTM A681-1999 Steel Grade standard. D2 Special Steel China Supplier and factory Otai Special Steel Supply D2 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 D2 Steel -ASTM A681 Alloy Cold Work Tool Steel

			
Round	Plate	Sheet	Square

Supply Range of aisi D2 Tool Steel

D2 Steel Round Bar: diameter 5mm – 400mm

D2 Steel Plate: thickness 10 –500mm x width 200– 1400mm

D2 Steel Block: 210mm x 500-810mm

Chemical Composition of D2 Tool Steel Material

ASTM A681	C	Si	Mn	P	S	Cr	Mo	V
D2/T30402	1.40~	0.10~	0.20~	0.030	0.030	11.0~	0.70~	0.50~
	1.60	0.60	0.60	Max	Max	13.0	1.20	1.10
DIN 17350	C	Si	Mn	P	S	Cr	Mo	V
1.2379/X155CrMoV12-1	1.50~	0.10~	0.15~	0.030	0.030	11.0~	0.60~	0.90~
	1.60	0.40	0.45	Max	Max	12.0	0.80	1.10

GB/T 1299	C	Si	Mn	P	S	Cr	Mo	V
Cr12Mo1V1	1.40~ 1.60	≤0.60	≤0.60	0.030 Max	0.030 Max	11.00~ 13.00	0.70~ 1.20	≤1.10
JIS G4404	C	Si	Mn	P	S	Cr	Mo	V
SKD11	1.40~ 1.60	≤0.40	≤0.60	0.030 Max	0.030 Max	11.0~ 13.0	0.80~ 1.20	0.20~ 0.50

D2 tool Steel Equivalent and Related Speciation

USA	German	Japan	China	ISO
ASTM A681	DIN 17350	JIS G4404	GB/T 1299	ISO 4957
D2	1.2379	SKD11	Cr12Mo1V1	160CrMoV12

ASTM AISI D2 Tool Steel Material Mechanical Properties

Hardness, Rockwell C: 69 HRC

Izod impact unnotched: 77 J.

Forged of hot work D2 Steel material metal

Forged D2 tool steel at 954 – 1065 °C. no forging when below 926 °C.

Heat Treatment of SAE/AISI D2Steel

● D2 Steel Annealing

Slowly heat to 871-898 °C, keep enough time, then cooling in furnace at 4-5 °C per hour.

● D2 tool Steel Hardening & Quenching

Preheat temperature / °C : 816

Quenching temperature / °C | salt bath furnace: 996

Quenching temperature / °C | controlled atmosphere furnace: 1010

The heat preservation time/min: 10 to 20

Quenching medium: air cooling

● Tempering Of D2 Steel

Tempering temperature / °C : 204

After tempering hardness HRC or higher: 59

Application of Sae AISI D2 tool Steel

D2 tool steel used for cold work tool products. Like forming dies , thread rolling dies, cutting knife, etc.

Quality Assured of Sae D2 Steel

Quality assured by Our ISO 9001:2008 quality management system. Our all D2 tool steel all had by SEP 1921-84 ultrasonic inspection (UT Test). Quality Grade: E/e, D/d, C/c.

If you have any D2 steel inquiry and question for Price, Application, hot treatment, please don't hesitate contact us.

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