

X100CrMoV5-1 Cold Work Alloy 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.

X100CrMoV5-1 is a German Cold work tool alloy steel material grade.it is shock resisting steel. it belong to W-NR 17350 standard. Digital Grade material number X100CrMoV5-1. Metal Steel Grade Din 1.2363 It is a die steel, use in extrusion moulds, Hot Cast moulds. like aluminium production, Aluminium cutting mold. 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. X100CrMoV5-1 with 1.2363 is equivalent Belong to W-Nr and W-NR.



X100CrMoV5-1 Steel material properties datenblatt as below:

Chemical composition data of Metal X100CrMoV5-1 Cold work tool steel-W-NR 17350-1980 (EN4957-2001)

C	Si	Mn	P	S	Cr	Mo	W
0.45~0.55	0.80~1.00	0.40~0.60	0.030 max	0.030 max	8.00~9.00	1.10~1.30	1.10~

Material equivalent of W-NR X100CrMoV5-1 steel

USA	Germany	China	Japan	France	England	Italy	Sweden	Spain
ASTM/AISI/SAE	W-NR, WNr	GB	JIS	AFNOR	BS	UNI	SS	UNE
A2	X100CrMoV5-1	Cr5Mo1V	SKD12	X100CrMoV5	BA2		2260	X160CRMOV12

Physical properties of X100CrMoV5-1 Tool Steel

- Density: 7.85kg/m³
- Thermal conductivity:
- Forging ratio: 5:1 Minimum
- Microstructure:
- Magnetic:

Mechanical properties of Alloy Steel X100CrMoV5-1

Hardness: Annealing 230 HB max, Q+T: 57-63 HRC, different hardness accorW-Nrg

different Tempering temperature.

- Yield strength:

Heat treatment of X100CrMoV5-1 Cold work tool steel

- Annealing: Annealing temperature/°C: 800~840; After the annealing, degree of hardness ≤HBS: 230
- Quenching: Hardening temperature/°C: 930~970, Quenching in oil
- Tempering: Commonly used drawing temperature/°C: 180~400; After tempering hardness HRC | 100 °C : 63; After tempering hardness HRC | 200 °C : 62; After tempering hardness HRC | 300 °C : 60 ; After tempering hardness HRC | 400 °C : 57
- Normalizing: at Normalizing temperature, then cool in furnace

Forged steel properties of Cold work tool X100CrMoV5-1 tool steel

For forging X100CrMoV5-1 steel, Slowly Pre-heat, at temperature/°C: 1050~850 Forged

Processing of Steel Material X100CrMoV5-1

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

Packing of X100CrMoV5-1 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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