

1.2436 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.

1.2436 is a German Cold work tool alloy steel material grade.it is shock resisting steel. it belong to DIN 17350 standard. Digital Grade material number 1.2436. Metal Steel Grade W-Nr X210CrW12 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. 1.2436 with X210CrW12 is equivalent Belong to W-Nr and DIN.



1.2436 Steel material properties datenblatt as below:

Chemical composition data of Metal 1.2436 Cold work tool steel-DIN 17350-1980 (EN4957-2001)

C	Si	Mn	P	S	Cr	W
2.00~2.25	0.10~0.40	0.15~0.45	0.030 max	0.030 max	11.0~12.0	0.60~0.80

Material equivalent of DIN 1.2436 steel

USA	Germany	China	Japan	France	England	Italy	Poland	Czechia	Austria
ASTM/AISI/SAE	DIN, WNr	GB	JIS	AFNOR	BS	UNI	PN	CSN	ONORM
D6	1.2436/X210CrW12								

Physical properties of 1.2436 Tool Steel

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

Mechanical properties of Alloy Steel 1.2436

Hardness: Annealing 255HB max, Q+T: 58-63 HRC, different hardness according different

Tempering temperature.

- Yield strength:

Heat treatment of 1.2436 Cold work tool steel

- Annealing: Annealing temperature/°C: 820~850; After the annealing, degree of hardness ≤HBS: 250
- Quenching: Hardening temperature/°C:930~980, Quenching in oil
- Tempering: Commonly used drawing temperature/°C: 180~250; 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 : 58
- Normalizing: at Normalizing temperature, then cool in furnace

Forged steel properties of Cold work tool 1.2436 tool steel

For forging 1.2436 steel, Slowly Pre-heat, at temperature/°C: 1050~850 Forged

Processing of Steel Material 1.2436

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

Packing of 1.2436 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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