

**SKH50 tool steel China stockholders and suppliers.** Otai Speical Steel are suppliers of SKH50 tool steel in round bar, plate, sheet and block which can be bandsaw cut to your requirements. JIS SKH50 a high carbon high chromium,high molybdenum, high cobalt, high speed tool steel grade offering very high wear resistance and toughness. SKH50 high speed tool steel is a high hardness, high heat-hardness alloy tool steel belong to HSS series.



We welcome import enquiries for tool steel. Please contact our sales team for further details. We will reply you in 24 hours.

### Related Specifications

JIS G4403 GB/T 9943 AISI ASTM A600 UNS T11342 BS 4659 DIN W-Nr 17350-1.3247 SS 2716 ISO 4957 - HS 2-9-1-8

### Chemical Composition of SKH50 Tool Steel Analysis

Grade NO.	C(%)	Si(%)	Mn(%)	P(%)	S(%)	Cr(%)	Mo(%)	V(%)	W(%)	Co(%)
<b>SKH50-</b>						<b>3.50~</b>	<b>8.00~</b>			
<b>JIS</b>	<b>0.77~0.87</b>	<b>≤0.70</b>	<b>≤0.45</b>	<b>≤0.030</b>	<b>≤0.030</b>			<b>1.00~1.40</b>	<b>1.40~2.00</b>	
<b>G4403</b>						<b>4.50</b>	<b>9.00</b>			

### Equivalent material of High Speed Tool Steel SKH50

- USA AISI Germany
- Japanese JIS SKH50 G4403

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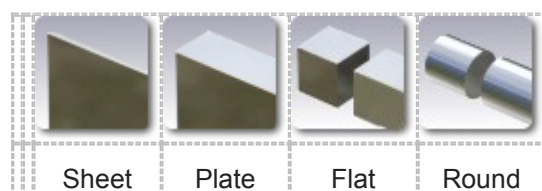
### Supply Form and Range of JIS SKH50 Tool Steel

Otai Special Steel supply round bar, flat bar, plate and square block. Round bar can be sawn to your requirement. Plate multiple cutting pieces, Rectangular all can be sawn, machining and milled from flat bar or plate as your size and design drawing. Round bar also can supply Ground Steel bar as your tolerances as precision finished quality.

SKH50 Tool Steel Round bar: Diameter Ø2mm to 400mm

SKH50 Tool Steel Plate: Thickness 2mm to 500mm x Width 200 - 2300mm

SKH50 Tool Steel flat bar: 2mm-80mm x 2mm x 105mm x Length



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### Application of JIS High Speed Tool Steel SKH50 material Grade number

Because of high speed tool steel SKH50 is grinding performance is good, so can be used to manufacture all kinds of complex high precision cutting tool.

Typical Application like Scraper, rolling cutter, iron knives, drill bits,



etc

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### Forging of Tool Steel HSS JIS SKH50

982-1093°C, heat thoroughly, then start forging. slowly cool in furnace.

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#### **Annealing of SKH50 Steel JIS HSS tool material**

Heat to 871°C, soak thoroughly. then cool slowly in heat treatment furnace

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#### **Stress Relieving of JIS SKH50 High Speed Tool Steel**

Heat slowly the SKH50 Steel component to 600-650°C and soak well (about two hours) ,  
Then Cool slowly in the furnace.

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#### **Tempering of High Speed Tool Steel JIS SKH50 steel grade**

Tempered SKH50 Tool Steel for three times at 515-593°C, then cool slowly at  
furnace. Typical Tempering as below table:

Temperature [°C]	515	550	600
Hardness [HRc]	67	69	63

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#### **Hardening of SKH50 Tool Steel HSS Material**

Hardening SKH50 Steel Tool component at 1160-1180°C in salt, or 1180-1190°C in  
atmosphere or vacuum furnaces.

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#### **Quenching of SKH50 Tool Steel HSS**

Quenching SKH50 tool steel at 538°C, Then Cool it in air.

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#### **Final Grinding of JIS SKH50 Tool Steel**

For get high precision and smooth surface, the grinding the SKH50 steel material is  
necessary. choose correct wheel for grinding SKH50. If dry grinding, the soft wheel is advice.

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#### **Quality Assured and Certification of SKH 50 steel**

Quality control by our ISO 9001:2008 quality system. All steel material MTC certification is  
supplied follow the orders.

Contact us now! free Sample waiting for you!

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