

SKH52 High Speed tool steel stockholders and suppliers, in china. Otai Special Steel are suppliers of SKH52 tool steel in round bar, plate, sheet and block which can be bandsaw cut to your requirements. A high carbon high chromium, high molybdenum, high cobalt, high speed tool steel grade offering very high wear resistance and toughness. SKH52 high speed tool steel is a high hardness, high heat-hardness alloy tool steel belong to HSS series.



We welcome export enquiries for tool steel. Please contact our sales team for further details.

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 SKH52 Tool Steel Analysis

| C | Si | Mn | Cr | P | S | W | V |
|-----------|----------|----------|-----------|----------|----------|-----------|-----------|
| 1.00~1.10 | 0.45 Max | 0.40 Max | 3.80-4.50 | 0.03 max | 0.03 max | 5.90-6.70 | 2.30-2.80 |

Material equivalent of JIS SKH52 steel

| | | | | | | | | | |
|-----|---------|-------|-------|--------|---------|-------|--------|---------|---------|
| USA | Germany | China | Japan | France | England | Italy | Poland | Czechia | Austria |
|-----|---------|-------|-------|--------|---------|-------|--------|---------|---------|

| | | | | | | | | | |
|-----------------------------|----------|------------|-------|-------|----|-----|----|-----|------|
| AISI / ASTM / SAE/UNS | DIN, WNr | GB | JIS | AFNOR | BS | UNI | PN | CSN | ONOR |
| M3 Class 1 / T11313 | | W6Mo5Cr4V3 | SKH52 | | | | | | |

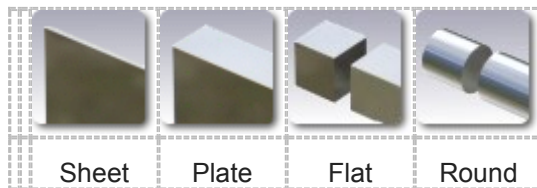
Supply Form and Range of JIS SKH52 Tool Steel

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 desigh drawing. Round bar also can supply Ground Steel bar as your tolerances as precision finished quality.

SKH52 Tool Steel Round bar: Diameter Ø2mm to 400mm

SKH52 Tool Steel Plate: Thickness 2mm to 500mm x Width 200 - 2300mm

SKH52 Tool Steel flat bar: 2mm-80mm x 2mm x 105mm x Length



Application of JIS High Speed Tool Steel SKH52 material Grade number

Because of high speed tool steel SKH52 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

Forging of Tool Steel HSS JIS SKH52

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

Annealing of SKH52 Steel JIS HSS tool material

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

Stress Relieving of JIS SKH52 High Speed Tool Steel

Heat slowly the SKH52 Steel component to 600-650°C and soak well (about two hours) ,
Then Cool slowly in the furnace.

Tempering of High Speed Tool Steel JIS SKH52 steel grade

Tempered SKH52 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 |

Hardening of SKH52 Tool Steel HSS Material

Hardening SKH52 Steel Tool component at 1160-1180°C in salt, or 1180-1190°C in atmosphere or vacuum furnaces.

Quenching of SKH52 Tool Steel HSS

Quenching SKH52 tool steel at 538°C, Then Cool it in air.

Final Grinding of JIS SKH52 Tool Steel

For get high precision and smooth surface, the grinding the SKH52 steel material is necessary. choose correct wheel for grinding SKH52. If dry grinding, the soft wheel is advice.

Quality Assured and Certification of SKH 52 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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