

KS STD11 tool steel china supplier and stockholders. Otai special steel supply STD11 in steel round bar, plate, flat bat, square bar.

KS STD11 Tool Steel is a high-carbon and high-chromium alloy tool steel that is used for making long-life high-precision cold-work dies. It has good wear resistance and size ability after heat treatment.

Related Specifications A681-1999 | KS G4404(2000) | GB /T1299

Chemical composition

C(%)	1.40~1.60	Si(%)	≤0.40	Mn(%)	≤0.60
P(%)	≤0.030	S(%)	≤0.030	Cr(%)	11.0~13.0
Mo(%)	0.80~1.20	V(%)	0.20~0.50	Ni(%)	<0.50

Equivalent Of KS STD 11 cold work alloy tool steel

USA	Germany	China	Japan	France	England	Italy	Poland	Austria	Sweden	Spain
AISI/UNS	DIN, WNr	GB	JIS	AFNOR	BS	UNI	PN	ONORM	SS	UNE
H13 / T20813	X40CrMoV5-1 / 1.2344	4Cr5MoSiV1	SKD61	X40CrMoV5-1	BH13	X40CrMoV5-1			2242	X40CR OV5

Form of Supply

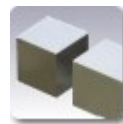
STD11 tool steel, we can supply the round bar, flat bar, plate and square block. Diameters can be sawn to your required lengths as one offs or multiple cut pieces. Rectangular pieces can be sawn from flat bar or plate to your specific sizes. Ground tool steel bar can be supplied, providing a quality precision finished bar to tight tolerances.



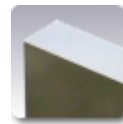
Round



sheet



Square



Plate

Applications

STD11 Tool Steel is used in the making of knife-edge mold, scissors, circular saw blades, metal stamping mold. Used to make cold work or hot work dressing dies, sides of rollers, screw lines, lines dies, transformer core stamping dies, rolled knives, steel tube forming rollers, special molding rollers, screw heading molds, etc. Also used for blanking dies, stamping dies and pressing dies with a thickness $\leq 6\text{mm}$. It can also be found in the production of various kinds of scissors, inlaid blades and thread rolling dies. It is also used to make wear-resistant slider cold heading dies, deep drawing molding dies, cold extrusion dies and in the making of thermosetting resin molding dies and common plastic dies.

Regular size and Tolerance

Hot rolled STD 11 steel Round bar: $\varnothing 2\text{mm} \sim 150\text{mm}$

Hot Forging STD11 Steel Round bar: $\varnothing 5\text{mm} \sim 3000\text{mm}$

Hot rolled Steel plate STD11 Material: Thickness 5mm to 210mm x Width 210-1250mm

Forged Steel plate SKD11 material: Thickness 130mm to 810mm x Width 210-1250mm

Others have not specified size, pls [contact](#) our experienced sales team.

Physical properties of STD11 Tool Steel

Density of STD11 Cold work Alloy Tool Steel: 7.85KG/CM³

Forged Ratio: 5:1 Min

Melting point: 1427 °C

Mechanical properties of STD11 Tool Steel

Tensile strength: 1200 - 1590 MPa

Tensile strength, yield: 1000-1380 MPa

Poisson's ratio: 0.27-0.30

[Processing for STD11 steel](#)

STD11 tool steel round bar and flat sections can be cut to your required sizes. STD11 ground steel bar can also be supplied, providing a high quality tool steel precision ground tool steel bar to your required tolerances. STD11 tool steel is also available as Ground Flat Stock / Gauge Plate, in standard and nonstandard sizes.

Contact our experienced sales team to help you with your STD11 tool steel questions by [email](#) or telephone. The questions will be reply in 24 hours.

OTAI SPECIAL STEEL CO., LTD

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