

SNCM435 alloy structure steel stockholders and suppliers from china. OTAI SPECIAL STEEL Supply in JIS SNCM435 steel round bar, plate, sheet, square bar, flat bar, pipe .We have large stock in warehouse. SNCM435 main Alloy composition is Cr and Mo. SNCM435 Steel is a high quality Quenched and Tempered Alloy Structural steel, It belong to the high quality low carbon, Low alloy chromium, molybdenum, nickel case hardening steel. Oil Quenched & Tempered Hardness is 18-22 HRC. Annealing delivery hardens less than 250HB. With a lower carbon content range, So have good weldability.

Related Specifications ASTM A29/A29M DIN EN 10083/3 JIS G4053 JIS/T 3077

Form of Supply

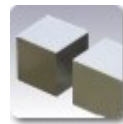
SNCM435 Alloy steel, we can supply the round bar, steel flat bar, plate, hexagonal steel bar and steel square block. steel Round bar can be sawn to your required lengths as one offs or multiple cut pieces. SNCM435 alloy steel Rectangular pieces can be sawn from flat bar or plate to your specific sizes. Ground tool steel bar can be supplied, provide a quality precision finished bar to tight tolerances.



Round



sheet



Square



Plate

Chemical composition

C (%)	0.30~ 0.37	Si (%)	≤0.40	Mn (%)	0.60~ 0.90	P (%)	≤0.035
S (%)	≤0.035	Cr (%)	0.90~1.20	Mo (%)	0.15~ 0.30		

Equivalent Of SNCM435 alloy Structure Steel

USA	Germany	China	Japan	France	England	Italy	Poland	ISO	Austria	Sweden	Spain
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ASTM/AISI/UNS/SAE	DIN,WNr	GB	JIS	AFNOR	BS	UNI	PN	ISO	ONORM	SS	UN
4135 / G41350	35CrMo4/1.7220	35CrMo	SCM435	35CD4	708A37			34CrMo4		2234	

Heat treatment Related

① Annealing of SNCM435 Alloy structural steel

heated to 870 °C and allow enough times, let the steel to be thoroughly heated, Then cool slowly in the furnace. The SNCM435 alloy steel will get MAX 250 HB

② Hardening of JIS Alloy structural steel SNCM435

First quenching heated slowly to 880° C, Then after adequate soaking at this temperature quench in oil or water. Temper as soon as tools reach room temperature. Second quenching heat to 780–820° C, then quenching in oil or water.

③ Tempering of SNCM435 Alloy structural steel

Heat to 205–649° C, then cool in water or oil. normal delivery hardness 18–22 HRC.

④ Forging of Alloy Steel SNCM435

JIS SNCM435 alloy steel is forged at 926 to 1205° C (1700 to 2200° F)

Mechanical Properties

The mechanical properties of annealed JIS SNCM435 alloy steel are outlined in the table below

Tensile strength	Yield strength	Elongation	Reduction of area	Poisson's ratio	Impact absorbing energy
σ_b /MPa	σ_s /MPa	δ_5 (%)	ψ (%)		AKV/J
1100–1300	900Min	10 min	40 min	0.27–0.30	35 Min

Applications

JIS SNCM435 steel Strength, high hardenability, toughness, and quenching small deformation, high strength and creep rupture strength at high temperatures. Requirements for the manufacture of higher intensity than the 35CrMo steel and tempered forging greater cross-section, such as a large locomotive traction gears, supercharger drive gear, pressure vessels, gear, rear axle, greatly affected by load and spring clip link It can also be used to 2000m deep oil drill pipe joints and fishing tools, and can be used benJISg machine mold, etc.

Regular size and Tolerance

Steel round bar: Diameter Ø 5mm - 3000mm

Steel plate: Thickness 5mm - 3000mm x Width 100mm - 3500mm

Steel Hexagonal bar: Hex 5mm - 105mm

Others SNCM435 have not specified size, pls [contact](#) our experienced sales team.

Processing

JIS SNCM435 alloy steel round bar and flat sections can be cut to your required sizes. SNCM435 alloy steel ground bar can also be supplied, proviJISg a high quality tool steel precision ground tool steel bar to your required tolerances. JIS SNCM435 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 SNCM435 alloy steel questions and enquiry by [Email](#) or Telephone. The questions will be reply in 24 hours.

OTAI SPECIAL STEEL CO., LTD

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