

SAAJ STEEL CORPORATION

Importers & Stockist of Carbon Steel, Alloy Steel,
Die Steel, Tool Steel & Bright Bars



SHOP /Warehouse

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Chennai- 50
Tamilnadu, India

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COMPANY PROFILE

SAAJ STEEL CORPORATION was established in 1997. it is an ISO 9001-2015 Certified Organization. we are importers and stockist of Alloy Steel, Die Steel, Tool Steel, Carbon Steel, Forging Steel, Bright Bars, Die Block Steel, Hot Die Steel, High Speed Steel, High Carbon High Chromium Steel, Cold Work Tool Steel, Plastic Mould Steel, Case Hardening Steel, Hot Work Tool Steel, Mild Steel and Spring Steel.

OUR SERVICE FACILITY

- We have fully automatic Hydraulic bandsaw cutting machines, Capacity up to 850 mm
- We use 10 Ton EOT cranes for Loading & Unloading
- We can supply forged & proof machine material as per customer Drawing and Specification.
- We have our own Transport to make door delivery
- We have Ware house Facility 10000 Sq.ft.

PRODUCTS

We are Leading Wholesale stockist and supplier of Black steel bars in South India. We deal grades which are MS, EN1A, EN3B, EN8, EN8D, EN8M, EN9, EN19, EN24, EN31, EN32B, EN36C, EN41B, EN43B, EN47, EN353, IS2062, 42CRM04, HCHCR, D2, D3, H-11, H-13, CW-1, OHNS, M2, M35, M42, 2714, 1.2379, SKD-11, P20, P20+S, P20+Ni, SCM 420, ASTM SA-36, ASTM SA-105 SAE1018, SAE1020, SAE4140, SAE8620, 16MNCr5, 20MNCr5, C20, C35, C40, C45, C50, C60, CK45, 20C8, 40C8, 45C8, 55C8, C55MN75, SAE52100, S40C, S355J2G3 for various sizes from 16mm to 1000mm in different sections like Round, Flat, Square, Hexagon, Plate, and various profile conforming to IS, BS, ASTM, DIN and other International standards and Specification,

QUALITY

- Ultrasonic Testing (Third Party Inspection)
- We do Chemical & Mechanical Testing (Third party inspection) Through NABL lab
- We provide Original MILL TC.



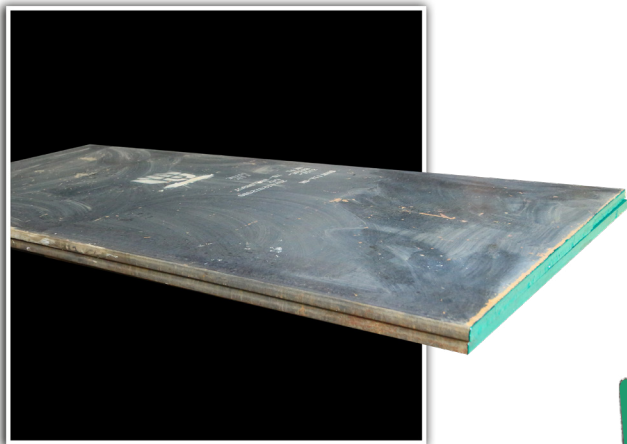
We can supply forged material from 100mm to 1000mm dia in all grades

We can supply rolled material (Black Bar) from 16mm to 200mm dia in all grades

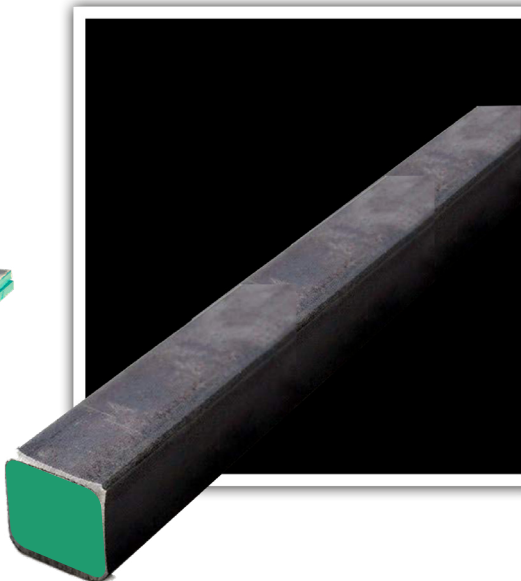


We can supply flat material thickness from 6mm to 500mm and width from 20mm to 600mm in all grades

We can supply square material in 10mm to 1000mm sq in all grades



We can supply plate material thickness from 2mm to 300mm and width from 1250mm to 3000mm in all grades



WEIGHT CALCULATION

Rounds	Dia x Dia x Length ÷ 162
Hexagon	Size x Size x Length x 0.68
Flat/Square/Plate	Size x Size x 0.79 ÷ 100 x Length

OUR STEEL SPECIFICATION

STEEL TYPE	AISI/SAE	CHEMICAL ANALYSIS %								HEAT TREATMENT				CORRESPONDING SPECIFICATIONS			TYPICAL APPLICATIONS	
		C%	Si%	Mn%	Cr%	Mo%	W%	V%	Co%	Hardening Temperature	Quenching Medium	Tempering Temperature	Brinell Rock Well Hardness	Japan JIS	AISI	POLDI THREAD		
HIGH SPEED STEEL	M-2	0.80 TO 0.90	<0.40	<0.40	3.80 TO 4.50	4.50 TO 5.50	5.50 TO 6.70	1.60 TO 2.20	-	1190-1230	OIL/AIR	540-570	64-66	SKH9 SKH 51	M-2	MAXIMUM SPECIAL M05	THREAD CUTTING TOOL, TWIST DRILLS, REAMERS, BROACHING TOOLS, METAL SAWS, VARIOUS MILLING TOOLS, WOOD WORKING TOOLS, COLD WORK TOOLS	
	M-35	0.80 TO 0.90	<0.40	<0.40	3.80 TO 4.50	4.80 TO 6.20	5.50 TO 6.70	1.70 TO 2.30	4.50 TO 5.50	1190-1230	OIL/AIR	550-580	64-66	SKH 55	M-35	MAXIMUM SPECIAL T6 M0	VARIOUS TURNING AND PLANNING TOOLS, MILLING CUTTERS, TAPS, TWIST DRILLS, WOOD WORKING TOOLS, COLD WORK TOOLS	
	M-42	1.00 TO 1.15	<0.50	<0.40	3.50 TO 4.50	9.00 TO 10.00	1.20 TO 1.90	0.90 TO 1.40	7.50 TO 8.50	1170-1210	OIL/AIR	530-560	67-69	SKH 59	M-42		MILLING CUTTERS, TWIST DRILLS, THREAD CUTTING TOOLS, BROACHING TOOLS, COLD WORK TOOLS	
	T-42	1.15 TO 1.30	<0.40	<0.40	3.80 TO 4.50	3.00 TO 4.00	9.00 TO 11.00	3.00 TO 3.70	9.00 TO 11.00	1200-1240	OIL/AIR	540-570	65-67	SKH 57	T-42		TURNING AND MILLING TOOLS FOR ROUGHING AND FINISHING WORK, WOOD WORKING TOOLS, HEAVY DUTY COLD WORK TOOLS, TOOL BITS.	
	T-1	0.70 TO 0.85	<0.40	<0.40	3.80 TO 4.50	-	17.00 TO 19.00	0.80 TO 1.20	-	1250-1290	OIL/AIR	550-580	64-66	SKH 2	T-1	MAXIMUM SPECIAL	TURNING PLANNING AND SLOTTING TOOLS. TAPS, TWIST DRILLS, THREADING DIES, PROFILE CUTTING TOOLS, BROACHING TOOLS, REAMERS	
	T-4	0.70 TO 0.85	<0.40	<0.40	3.80 TO 4.50	-	17.00 TO 19.00	0.80 TO 1.20	4.50 TO 5.50	1240-1280	OIL/AIR	550-580	64-66	SKH 3	T-4	MAXIMUM SPECIAL 55	Turning, planning and milling tools, in particular for Roughing work	
	T-5	0.70 TO 0.85	<0.40	<0.40	3.80 TO 4.50	-	17.00 TO 19.00	0.80 TO 1.20	9.00 TO 11.00	1250-1290	OIL/AIR	560-590	64-66	SKH 4A	T-5	MKH	Turning, planning and milling tools, in particular for Roughing work	
	ASP-30	1.27	<0.50	<0.30	4.2	5.00	6.40	3.10	8.40	1075-1180	OIL SALT BATH	550-580	64-66	-	ASP-30		Snaper cutters hobs milling cuts broaching tools taps twist drills	
	ASP-23	1.30	-	-	4.2	5.00	6.40	3.00	-	1050-1180	OIL SALT BATH	540-570	64-66	-	ASP-23		Powder HSS, excellent wear resistance and toughness	
HOT DIE STEEL	H-11	0.32 TO 0.42	0.80 TO 1.20	<0.50	4.50 TO 5.50	1.00 TO 1.50	-	0.30 TO 0.50	-	1000-1040	OIL/AIR	550-650	52-54 (OIL) 50-54 (AIR)	SKD 6	H-11	TLH	High Duty hot work tools such as mandrels, dies and containers for metal tube and rod Extrusion, hot, impact Extrusion tools, tools for the manufacture of hollow bodies, tools for the manufacture of screws, nuts, rivets and bolts. Pressure die casting dies, forming dies, die inserts, hot shear blades	
	H-13	0.32 TO 0.42	0.80 TO 1.20	<0.50	4.50 TO 5.50	1.00 TO 1.50	-	0.80 TO 1.20	-	1020-1080	OIL/AIR	550-650	52-54 (OIL) 50-54 (AIR)	SKD 61	H-13	TLI		
	H-21	0.25 TO 0.35	<0.40	<0.60	2.00 TO 3.00	-	9.00 TO 10.00	0.30 TO 0.50	-	1070-1150	OIL/AIR	600-650	48-52 (OIL) 44-48 (AIR)	SKD 5	H-21	212 D2		
COLD WORK TOOL STEEL	D-3	1.90 TO 2.20	0.10 TO 0.40	0.15 TO 0.45	11.00 TO 12.00	-	-	-	-	930-980	OIL/AIR	150-200	63-65	SKD-1	D-3	2002	High efficiency cutting tools (dies & punches), blanking tools wood working tools, Shear blades for cutting thin materials, Thread rolling dies, drawing, Deep drawing & extrusion tools, pressing tools for the ceramics the pharmaceutical industry, cold rolls for multiple roller stands, gavage, plastic modes	
	D-2	1.55 TO 1.75	0.25 TO 0.40	0.20 TO 0.40	11.00 TO 12.00	0.50 TO 0.70	0.40 TO 0.60	0.10 TO 0.50	-	650-700	OIL/AIR	-	63-65	SKD-11	D-2	2002 R		
	D-2	1.50 TO 1.60	0.10 TO 0.40	0.15 TO 0.45	11.00 TO 12.00	0.60 TO 0.80	-	0.90 TO 1.10	-	650-700	OIL/AIR	-	63-65	SKD-11	D-2			
	O-1	0.90 TO 1.05	0.15 TO 0.35	1.00 TO 1.20	0.50 TO 0.70	-	0.50 TO 0.70	0.05 TO 0.15	-	780-820	OIL	150-200	63-65	SKS-21	O-1	STABIL K		
	O-2	0.85 TO 0.95	0.10 TO 0.40	1.90 TO 2.10	0.20 TO 0.50	-	-	0.05 TO 0.15	-	790-820	OIL	-	63-65	-	O-2	STABIL SPECIAL		
	SCMNH	1.23	-	12.5	-	-	-	-	-	1000-1050	WATER	-	-	-	SCMNH1			Various components for hand crushing, bulk material handling and ORE dressing and processing equipment such as crusher Jaws, impact bars, plates, hammers, breaker plates grizzly bars, anvils, liners, elevator bucket, dredges bucket, dredger and scralter teeth bucket links, track rollers and chain roller
	S-1	0.55 TO 0.65	0.50 TO 0.70	0.15 TO 0.45	0.90 TO 1.20	-	1.80 TO 2.10	0.10 TO 0.20	-	870-900	OIL	-	58-62	-	S-1	TENAX NB		Cutting tools (dies and punches) for heavy plate, cold punches, cold shear blades. Wood working tools, bits for pneumatic tools, highly stretched embossing tools, hot work tools for low thermal stress
PLASTIC MOULD STEEL	A-2	0.90 TO 1.05	0.20 TO 0.40	0.40 TO 0.70	4.80 TO 5.50	0.90 TO 1.20	-	0.10 TO 0.36	-	950-980	OIL/AIR	-	63-65	SKD-12	A-2	RAZ-1	Cutting tools (dies and punches), blanking tools thread rolling dies shear blades	
	P-20	0.35 TO 0.45	0.20 TO 0.40	1.30 TO 1.60	1.80 TO 2.10	0.15 TO 0.25	-	-	-	840-870	OIL	-	51	-	P-20	-	Plastic moulds, frames for plastic moulds and pressure casting dies Recipient sleeves	
	P-20 + S	0.35 TO 0.45	0.30 TO 0.50	1.40 TO 1.60	1.80 TO 2.00	0.15 TO 0.25	P/0.030	S/0.05 TO 0.10	-	840-860 860-880	OIL /AIR	600-650	-	-	P-20 + S	-		
	P.20 + NI	0.35 TO 0.45	0.20 TO 0.40	1.30 TO 1.60	1.80 TO 2.10	0.15 TO 0.25	NI/1.0	-	-	840-870	OIL	-	51	-	P.20 + NI	-	It is micro-alloyed, vacuum-degassed steel with excellent features, good machinability outstanding polishability, good texturing properties large plastic moulds with Deep engraving and high core stresses	
	STAVEX	0.38 TO 0.45	0.30 TO 0.50	0.20 TO 0.40	12.50 TO 13.50	-	-	-	-	1000-1050	OIL	100-200	53-56	SUS 420 J2	STAVEX	-	Moulds for chemically aggressing plastics and plastics containing abrasive fitters	
	RAMEX 5	0.33 TO 0.43	1.00 MAX	1.00 MAX	15.00 TO 17.00	1.00 TO 1.30	NI/1.00 MAX	-	-	1000-1050	OIL/AIR	600-700	46-49 (OIL) 42-48 (AIR)	-	RAMEX 5	-	Moulds for processing plastics with corrosive action	
EN SERIES STEEL	420	0.40 TO 0.50	0.10 TO 0.40	0.15 TO 0.45	1.20 TO 1.50	0.15 TO 0.35	NI 3.8/4.3	-	-	840-870	OIL/AIR	-	53-57 (AIR) 54-58 (OIL)	-	420	-	Cutlery dies, cutting tools for thick material billet shear blades, drawing jaws, solid embossing and bending tools, plastic mould, casting	
	EN-1A	0.07 TO 0.15	0.10	0.80 TO 1.00	S/0.20 TO 0.30	P/0.70 MAX	-	-	-	-	-	-	-	-	-	-	Auto parts, tools and production machine	
	EN-8	0.35 TO 0.45	0.05 TO 0.30	0.60 TO 1.00	S/0.06 MAX	P/0.06 MAX	-	-	-	750-900	OIL	150-200	-	-	-	-	Components of small cross section, Requiring low tensile strength, as well as heavy forging In The Normalised condition for automotive and general engineering such as axles, clutch, shafts, presses and punches parts, piston rods and gear rods	
	EN-9	0.50 TO 0.60	0.05 TO 0.30	0.50 TO 0.80	-	-	-	-	-	850-900	OIL	200-250	55-60	-	-	-	Bolts, M/C tools, axle shaft	
	EN-19 (V 320)	0.35 TO 0.45	0.10 TO 0.30	0.50 TO 0.80	0.90 TO 1.40	0.20 TO 0.40	-	-	-	900-950	OIL	200-225	45-55	SCM 4	4140	-	Components of mediums and large cross section, requiring high tensile strength and toughness for automatic engineering and gear and engine construction such as craneshafts steering knocking connecting	
	EN-24 (V 130)	0.35 TO 0.45	0.10 TO 0.35	0.45 TO 0.70	0.90 TO 1.40	0.20 TO 0.35	NI/1.3 TO 1.8	-	-	830-860	OIL	540-680	45-55	SNCM 8	4340	-	Highly stressed components of large cross section for aircraft, automotive and general engineering application such as propeller shafts connecting rods gear shafts cranes shafts and landing gear components, heavy forging, such as rotor shafts and discs	
	EN-31 R-100	0.90 TO 1.20	0.10 TO 0.35	0.30 TO 0.75	1.00 TO 1.60	-	-	-	-	820-860	OIL	180-225	59-65	-	-	-	For roller bearing components such as brakes, cylindrical, chronicle and needle rollers	
	EN-36B E-200	0.12 TO 0.18	0.10 TO 0.35	0.30 TO 0.60	0.60 TO 1.10	-	NI/3.0 TO 3.75	-	-	780-860	OIL	170-210	61-63	SNC 22	3415	-	Components with large cross section requiring high toughness and score strength such as gears, crane shafts and heavy duty gearshafts in aircraft and truck construction and mechanical engineering	
	EN-42	0.70 TO 0.85	0.10 TO 0.40	0.55 TO 0.75	-	-	-	-	-	600-700	DIRECT HARDENING	-	40-45	-	-	-	Special gear case hardening tensile tools	
	EN-44	0.90 TO 1.20	0.30	0.45 TO 0.75	-	-	-	-	-	650-750	OIL	150	45-50	-	-	-	Spring action parts	
	EN-45 F-10	0.50 TO 0.60	1.5 TO 2.0	0.70 TO 1.00	-	-	-	-	-	830-860	OIL	470-520	50-55	-	9255	-	Leaf and truncated chronical springs for automate and General engineering	
	EN-351	0.10 TO 0.20	0.35	0.60 TO 1.00	0.40 TO 0.80	0.08 TO 0.10	NI/0.60 TO 1.00	-	-	850-860	OIL	175-200	62-64	-	-	-	m/c spring parts	
	EN-353	0.10 TO 0.20	0.35	0.50 TO 1.00	0.75 TO 1.25	0.08 TO 0.15	NI/1.00 TO 1.50	-	-	840-870	OIL	150-200	62-64	-	-	-	m/c components	

Our Clients: We take great pride in announcing that our products are trusted by many companies which are the sub contracts of BHEL, Larson & Toubro Ltd, Tube Investment of India, Ashok Leyland, TVS Lucas, WABCO

