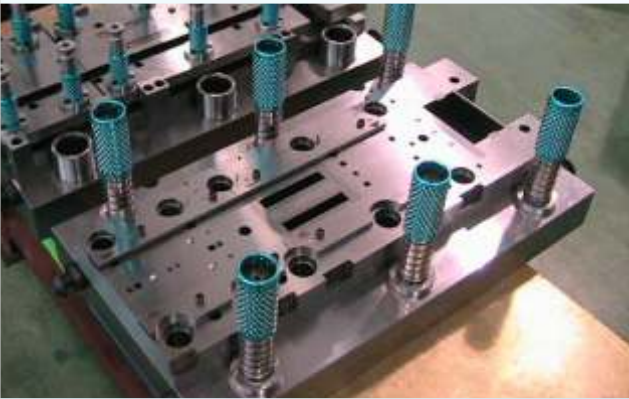




PUROHIT STEEL

GLOBAL STEEL SOLUTIONS



QUALITY STEEL PROVIDERS FROM THE WORLD'S BEST MANUFACTURERS



OUR VISION

To build a world leading steel solutions company
around the core values of
Quality, Trust, Commitment and Service

• OUR MISSION

WE ASPIRE TO:

- Be the steel solutions provider of choice for Tool & Die industry
- Innovate and provide Best Steel Grades
- Be the most preferred Employer
- Contribute to Social Welfare



HISTORY



PUROHIT STEEL had its humble beginnings more than three decades ago, in 1965. The founder Shri Bherumalji Purohit, a visionary of his time, worked tirelessly and single-handedly with terrific determination and an equal amount of courage in the field of metallurgy where many feared to tread. From that one-man outfit, the establishment grew to the present 'PUROHIT GROUP OF COMPANIES'.

Today the group comprises of five well established units recording an overwhelming stock with wide range of materials from Hot work and Cold work tool steels to Special purpose materials. PUROHIT STEEL has grown, as one of the best and the most well settled reliable organizations capable of providing the widest range of tool steel with proper technical support to match the right requirements of small, medium and big organizations alike.

PUROHIT STEEL imports steel from around the world from the most reputed organizations. They are stocked and supplied from a highly modern warehouse in Vasai or the sales outlet from Mumbai to anywhere in India, rapidly, on time and every time to the customer's delight.

PUROHIT STEEL, due to its strong determination and hard work, has forged strong ties with almost all leading companies and Tool & Die makers. The same success is now being experienced at our new warehouse ensuring a professional and efficient experience to all our customers. On the basis of this potential by combining the skills and expertise of our employees and the trust Purohit has won from our customers, we have become one of the leaders in our field. Now, we aim to maintain our position at the very top in our line of business. Please join us in our journey to the future and accept our appreciation for your kind and on going support.



ABOUT US



Team PUROHIT takes the honour in introducing ourselves as leading importers and stockists of Plastic Mould Steel, Tool Steel, Alloy Steel, Die Steel and Special Purpose Steels in India.

Our broad product range has acquired us a virtually unique position in the world's markets, offering our clients a decisive advantage - they can enjoy the benefit of one-stop solutions.

Our experience, modern warehouse and not least, our qualified, dedicated staff are the foundations for the high quality of the products we stock.

But new demands create the challenges we thrive on with continuous product development and vocational training for our staff, We guarantee our clients increasingly tailor-made, flexible, one-stop solutions in the future on all continents.

Our strengths lie in the ultimate quality, custom-made services and nurturing client proximity in the most important world markets. We service our clients' needs, starting with practice-oriented advice to the ready-to-use product. At each stage we offer highly reliable tailor-made solutions.

Since our inception in 1965, with our experience and knowledge we have joined hands with the following steel manufacturers across the globe to supply quality products;

● IMPORTERS AND STOCKISTS ●

- DEUTSCHE EDELSTAHLWERKE (GERMANY)
- BOHLER - BLECHE (AUSTRIA)
- BOHLER HIGH PERFORMANCE METALS PVT. LTD.
- SCHMOLZ + BICKENBACH INTERNATIONAL GmbH
- VERONA (ITALY)
- ZAPP (GERMANY)
- GLORIA - TAIWAN
- MUSCO, SAIL, JINDAL, VISL, POWMEX, KALYANI, TISCO, KISCO, EST

With our hi-tech warehouse in Mumbai and Vasai, we can reach every part of India on time everytime.

As an overview of our warehouses we have the following Infrastructure:

- Cranes 25 ton's - 1 No., 15 ton's - 3 Nos., 10 ton's - 5 Nos.
- Vertical bandsaw m/c - 4 Nos.
(max 2500 x 1500, 2500 x 700)
- Horizontal bandsaw m/c - 12Nos.
(max 1500 x 1000, 800 x 800, 550 x 300, 650 x 500, 360 x 360, 350 x 300, 260 x 260)
- Circular Saw (4000 mm x 100 mm)
- Magnet Lifter 3Ton's, 2 Ton's, 1 Ton, 500 kg

● MACHINE SHOP ●

- Surface Grinder (max 800 x 2500)
- Rotary Grinder (32" across corners)
- Plano Miller (800 x 2000 max)
- Milling Machines - 8Nos



The customer oriented stock in our warehouses of Mumbai and Vasai are valued by customers all over India since many decades. This translates to a high level of reliable service. Quality first is our motto and service our password and they are the secrets of our success.

● CUTTING ●

Extensive stocks are held by Purohit Steel within our Old bury warehouse, which is equipped with 17 automatic saws, including a specialized saw system for close tolerance multiple cut blanks, as well as a fully automated sawing centre. With our fast track service, demagnetizing and comprehensive cutting, machining and grinding facilities, you can be rest assured that the service provided by our company will be second to none.

● MACHINING/GRINDING ●

In the Pursuit of Customer Satisfaction we have inhouse facilities for providing value added engineering services to our esteemed customers. We deliver customized pre-machined and ground plates as per customer requirements with very close tolerances. Accurate machining, rotary grinding, surface grinding, chamferings within the right angles are delivered on time to the customer's delight.

● QUALITY CHECK ●

Purohit Group of Companies utilizes a highly effective quality assurance system. We monitor all our products and processes from the testing of raw material by checking their chemical composition, hardness (HRC), internal and surface flaws to dimensions with means of our thorough documentation, we are in position to ensure consistently high quality reproducibility at any time. Thus making Quality mandatory under our experienced supervision at all times.

● LOGISTICS ●

Our Logistics/Service Centre operation encompasses all warehouse, transport and Quality Assurance activities under the management of Purohit steels.

Whether you collect your order or we deliver it to you, our aim is to get your steel to your premises efficiently, professionally and quickly, with corresponding paperwork and full product traceability.

We strive to provide the best possible service to you and constantly monitor our operations and procedures, in order to continually improve our performance to the delight of our customers .



Plastic mould steel is usually used in pre-hardened condition, which enables the customer to directly use the steel by only die cutting it. The particular advantages of this grade of steel is that it saves hardening after machining. It can be used for very large dimensions in direct supplied condition.

Purohit delivers a series of Plastics Tool Steel and Mould Material Grades for plastics processing which are supreme in the industry. Our products are manufactured using both conventional and powder metallurgical production techniques. Our close co-operation with tool designers keeps us abreast of the latest demands placed on Plastics Tooling.

Tailored to the needs of the various plastics moulding applications, Purohit Plastics Tool Steel and Mould Materials are ideal where high polishability, improved resistance to corrosive and/or abrasive polymers, high thermal conductivity, uniformity and reliability.

PROPERTIES & APPLICATION

1.2311

Prehardened Plastic Mould Steel hardness in as supplied condition 280-325 H B (BHN) Good Machinability Suitable for texturing improved through hardening in comparison with thyroplast 2311 Goods Polishability Additional nickel content of 1% increase the thought hardenability.

1.2316

Increased corrosion resistance in comparison with thyroplast 2083 goods polishability this steel is usually supplied in quenched and tempered condition with a working hardness of approx. 300 HBC (Approx. 32 HRC). Moulds for Processing Plastics With Corrosive action. Highly recommended for PVC Moulds and Pet Preforms.

1.2083 / M310

Corrosion resistance good polishability we recommend the use of vacuum remelted Thyroplast 2083 for the highest demands on Polishability moulds for Processing Plastic with Corrosive action. Suitable for chemically aggressive moulding compounds and plastic containing abrasive fillers.

1.2738 / M238

- Additional Nickel content of 1% increase through hardenability thus better polishability
- Large and medium sized moulds for plastics processing, carrier frames for the plastic bumper moulds, components for general mechanical engineering and tool manufacture.

PLASTIC MOULD STEELS



PHX SUPRA

Extremely corrosion resistant, precipitation-hardenable and remelted steel grade with outstanding polishability. The exceptionally pure premium steel grade is desirative of 1.2316 featuring better wear resistance and greater dimensional stability after machining.

1.2085

Moulds bases for the plastics processing industry as well as ancillary plastics Processing tools. Corrosion resistance.

BOHLER	DAIDO	METAL RAVNE	ASSAB	HITACHI	DEW DIN	AISI	C	SI	MN	S	CR	MO	NI	V
M 201	PX4	UTOPNEX	UHB 2311	HPM 2	1.2311	P 20	0.41	0.30	1.50		2.00	0.20		
M 200		UTOPN	HOLDAX		1.2312	P 20+S	0.40	0.30	1.50	0.080	1.90	0.20		
M 238		UTOPNIN	IMPEX SPREME		1.2738	P 20+NI	0.38	0.30	1.50		2.00	0.20	1.10	
M 303			RAMAX 5	SCS 2	1.2316	420 F	0.38	0.40	0.65		16.00	1.00		
M 310		PK 4 EX	STAVAX		1.2083	420 MOD	0.41	0.70	0.45		14.30	0.60		0.20
					PHX SUPRA		0.05			$\frac{CU}{3.50}$	15		4.50	$\frac{Nb}{Nb+}$
N 685					1.4112	420 B	0.90	0.45	0.40		17.50	1.10		0.10
N 695		PK 348			1.4125	440 C	0.95-1.20	1.00	1.00		16.0-18.0	0.40-0.80		



HOT WORK TOOL STEELS



Hot work tool steel featuring excellent hot tensile properties, high hot tensile properties, high hot wear resistance, adequate toughness and heat checking resistance: admits water cooling.

Heavy duty work tools and dies, mainly for light alloy processing: mandrels, dies, and containers for metal tube and rod extrusion equipment; tools and dies for the manufacture of hollow bodies, screws, rivets, nuts and bolts.

Die casting equipment, forming dies, die inserts, hot shear blades, and plastic moulding dies.

Extrusion dies, Gripper dies, Rams, Drop forging dies; Pressure casting moulds for light alloys, Metal track pressure tools, High stressed internal boxes, Little tube pressing mandrels for water-cooling, Die-casting tools. Punches.

It has very good high-temperature characteristics and excellent toughness combined with resistivity to heat checking.

PROPERTIES & APPLICATION

H.21 9% TUNGSTEN HOT WORK STEEL / W100

Primary for the processing of heavy metal alloys. Can be oil or air cooled.

Highly stressed hot work tools such as mandrels, dies and containers for metal tube and extrusion.

Pressure casting moulds, cores, dies for non ferrous products, tools for screws products, hot extrusion dies, lower dies and value cone products for pressing dies: hot shear blades and trimmer dies for upsetting tools used in bolt, rivetnut and pin manufacturing: for heading punches swaging dies.

H.11 / W300

Primarily for the processing of light metal alloys. Can be water cooled.

Hot extrusion tools, tools for the manufacturer of hollows, tools for the manufacturer of screws, nuts, rivets and bolts.

HOT WORK TOOL STEELS



H.13 / 1.2344 EFS / W302 ISO DISC

Die casting tools, forming dies, die inserts hot shear blades primarily for the processing of heavy metal alloys

It is suitable for oil and air hardening and it offers high hardness retention. It provides resistance to hot wear and heat checking.

1.2344 SUPRA / W302 ISO BLOC

Produced through the latest Electro slag remelting technique for improved homogeneity and increased toughness.

BOHLER	DAIDO	PLODI	METAL RAVNE	JIS	ASSAB	HITACHI	DEW DIN	AISI	C	SI	MN	P	S	CR	MO	NI	V	W	CO
W 360									0.50	0.20	0.25			4.50	3.00		0.55		
W 320		LN	UTOP 33	SKD 7	QRO 90 SUP	YEM	1.2365	H 10	0.28-0.35	0.10-0.40	0.15-0.45	0.030	0.030	2.70-3.20	2.60-3.00		0.40-0.70		
W 321							1.2885	H 10 A	0.39	0.30	0.35	0.030	0.030	2.90	2.80		0.65		2.90
W 300 W 400 V MR	DHA	TLH	UTOPMO 1	SKD 6	VIDAR SUP ORVAR 1	SLD	1.2343	H 11	0.36-0.42	0.90-1.20	0.30-0.50	0.030	0.030	4.80-5.50	1.10-1.40		0.25-0.50		
W 304	DH 62	TLW	UTOPMO 1	SKD 62	UHB 2606	DBC	1.2606	H 12	0.32-0.40	0.90-1.20	0.30-0.60	0.035	0.035	5.00-5.60	1.30-1.60		0.15-0.40	1.20-1.40	
W 302	DHA 1 DHA 2	TL1	UTOPMO 2	SKD 61	8407 SUP ORVAR SUP	HDC	1.2344	H 13	0.37-0.43	0.90-1.20	0.30-0.50	0.030	0.030	4.80-5.50	1.20-1.50		0.90-1.10		
W 100		212		SKD 5		DM	1.2581	H 21	0.25-0.35	0.15-0.30	0.20-0.40	0.035	0.035	2.50-2.80			0.30-0.40	8.00-9.00	
W 500	GFA	TBM 1	UTOPEX 2	SKD 4 SKT 51	ALVAR 14		1.2713 1.2714	DB.6	0.50-0.60	0.10-0.40	0.65-0.95	0.030	0.030	1.00-1.20	1.45-0.55	1.50-1.80	0.07-0.12		

BOHLER	DAIDO	JIS	HITACHI	DEW DIN	AISI	C	SI	MN	S	CR	MO	NI	CO	CU	NB	TI	AL	N	MISC
	NAK 55					0.15	0.30	1.52	0.10		0.30	3.00		1.00			1.00		
	NAK 80		HPM 50			0.15	0.30	1.50			0.30	0.30		1.00			1.00		
	MASIC					0.03 MAX	0.10 MAX	0.10 MAX			5.00	18.50	9.00			0.60			
N 700		SUS 630		1.4542 1.4548	630 17-4 H	0.4	0.25	0.4		15.40		4.40		3.30	3.30				
H 850				1.4871	21-4 N	0.48-0.58	0.25	7.00-10.00		20.0-22.0		3.25-4.50						.38-5-50	
W 721				1.6359	MARAGE 250	0.03 MAX	0.10 MAX	0.10 MAX			4.60-5.20	17.0-19.0	7.00-8.50			0.30-0.60	0.15		
W 720				1.6354 1.6358	MARAGE 300	0.03 MAX	0.10 MAX	0.10 MAX			5.30	18.50	9.00			0.60	0.10		ZE 0.02 CA 0.05



COLD WORK TOOL STEELS



Pressure casting moulds, cores, dies for non ferrous products, tools for screws products, hot extrusion dies, lower dies, for valve cone products for pressing dies. Hot shear blades and trimmer dies for upsetting tools used in bolt, rivet nut and pin manufacturing, for heading punches, swaging dies.

It is suitable for oil and air hardening and it offers high hardness retention. It provides good resistance to hot wear and heat checking. Cold work tool steels are employed for the manufacture of tools for applications involving surface temperature of not more than 200°C.

In this temperature range. They must feature the following properties in order to guarantee tool resistance to the high stresses arising from the numerous machining and shaping procedures:

- Superior hardness
- High wear resistance
- Good toughness
- Excellent compressive and impact strength
- High dimensional stability in heat treatment
- Sufficient machinability.

HIGH CARBON HIGH CHROMIUM DIE STEEL

Thread rolling dies, Hobs, Cold extrusion tools and dies, Punches, Draw plates and dies. Cutters, Measuring tools, Pressure casting moulds, Blanking, Reamer, Finishing rolls for tyre mills. This type of steel has high dimensional stability with added wear assistance coupled with excellent edge holding qualities.

PROPERTIES & APPLICATION

1.2080 / K-100 / D3

Standard grade of high carbon, high chromium steels. High-performance cutting tools (dies and punches), blanking and punching tools, woodworking tools, shear blades for cutting light-gauge material, thread rolling dies, drawing, deep drawing and extrusion tools, pressing tools for the ceramics and pharmaceuticals industries, cold rolls multiple-roll stands, measuring tools, plastic moulds.

1.2379 / K-110 / D2

Grade featuring excellent toughness and suitable for bath nitriding. High-performance cutting tools (dies and punches), blanking and punching tools, woodworking tools, shear blades for cutting light-gauge material, thread rolling dies, drawing, deep drawing and extrusion tools, pressing tools for the ceramics and pharmaceuticals industries, cold rolls for multiple-roll stands, measuring tools, plastic moulds.

COLD WORK TOOL STEELS



K-340

Cutting tools (dies and punches), blanking and punching tools, cold forming tools e.g. drawing deep drawing and extrusion tools, coining tools, thread rolling dies, shear blades, measuring tools, woodworking tools.

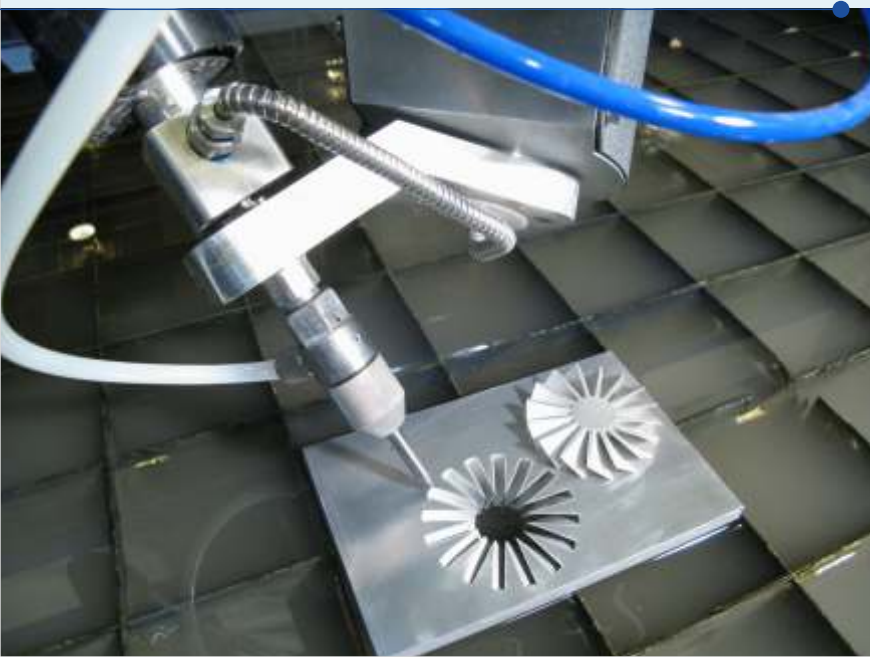
S1 / K-455

Cutting tools (dies and punches) for heavy plate. Cold Punches, cold shear blades, woodworking tools, shank tools for pneumatic equipment, coining tools, hot work tools for low thermal stress.

1.2510 / K460 / O1

Cutting tools (dies and punches), blanking and punching tools, thread cutting tools, woodworking tools, machine knives for the wood, paper and metal working industries, measuring tools, plastic moulds.

BOHLER	DAIDO	PLODI	METAL RAVNE	JIS	ASSAB	HITACHI	DEW DIN	AISI	C	SI	MN	P	S	CR	MO	V	W
K 460	YK 30 GOA	STABIL K	OW 4	SKS 3	DF 3	SGT	1.2510	O 1	0.90-1.05	0.15-35	1.00-1.20	0.035	0.035	0.50-0.70	0.50-0.70	0.50-0.15	0.50-0.70
K 720		STABIL SPECIAL	MERILLO	SKS 93	AROS		1.2842	O 2	0.85-0.95	1.10-0.40	1.90-2.10	0.030	0.030	0.20-0.50	0.20-0.50	0.05-0.15	
K 305	DC 12	RAZ 1	OA 2	SKD 12		SCD	1.2363	A 2	0.90-1.05	0.20-0.40	0.40-0.70	0.035	0.035	4.80-5.50	0.90-1.20	0.10-0.30	
K 105				SKD 11			1.2601		1.55-1.75	0.25-0.40	0.20-0.40	0.030	0.030	11.0-12.0	0.50-0.70	0.10-0.50	0.40-0.60
K 110	DC 11 SKD 11		OCR 12 VM	SKD 11	XW 41 SVERKER 2	SLD	1.2379	D 2	1.50-1.60	0.10-0.40	0.15-0.45	0.030	0.030	11.5-12.5	0.60-0.80	0.90-1.10	
K 100	DE 1	2002	OCR 12	SKD 1	XW 5 SVERKER 1	CRD	1.2080	D 3	1.90-2.20	0.10-0.40	0.15-0.45	0.030	0.030	11.0-12.0	11.0-12.0		
K 107		2002 SPECIAL		SKD 2	XW 5 SVERKER 3		1.2436	D 6	2.00-2.25	0.10-0.40	0.15-0.45	0.030	0.030	11.0-12.0	11.0-12.0		0.60-0.80
K 455		TENAX NB		SKS 41			1.2550	S 1	0.55-0.65	0.50-0.70	0.15-0.45	0.030	0.030	0.90-1.20	0.90-1.20	0.10-0.020	1.80-2.10
			OH 253				1.2357	S 7	0.45-0.55	0.20-0.50	0.50-0.80	0.030	0.030	3.00-3.60	1.20-1.60	0.05-0.25	
FLAME STEEL	HARDENING TOOL		HITACHI HMD 5			AICHI SX 105 V	DAIDO	O 5	0.70					2.00	2.00	0.07	



HIGH SPEED STEELS



The group of high-speed steels includes all high-alloy tool steels that retain the necessary, high installed hardness of roughly 60 to 67 HRC at working temperatures of up to almost 600 °C. Their service properties are partly attributable to the high carbide content, which results in very high wear resistance.

PROPERTIES & APPLICATION

S390

High speed steel produced by the powder metallurgical method for heavy duty cutting tools, e.g. tools for machining non ferrous metals such as Ti-alloys, tools used extreme compressive stresses, e.g. precision blanking tools for high-strength materials.

S500 / AISI M42

Milling cutters, twist drills, tape, broaching tools, cold work tools.

S590

High speed steel produced by the powder metallurgical method for heavy duty cutting tools, e.g. tools for machining nonferrous metals such as Ni-bease and Ti-alloys, Tools used under extreme compressive stresses, e.g. precision blanking tools for high-strength, e.g. precision blanking tools for high-strength materials.

S600 / AISI M2

Taps, twist drills, reamers, broaching tools , metal saws, milling tools of all types, woodworking tools, cold work tools.

S690 / AISI M4

High Speed steels produced by the powder metallurgical method for heavy duty cutting tools, e.g. machining of nonferrous metals alloys, such as Ti and Ai-alloys, tools exposed to high compressive stresses, e.g. in fine blanking tools for-high-strength materials.

S705 / AISIM35

Turning and planning tools of all types, milling cutters, taps, twist drills Woodworking tools, cold work tools.

S790 / AISIM3

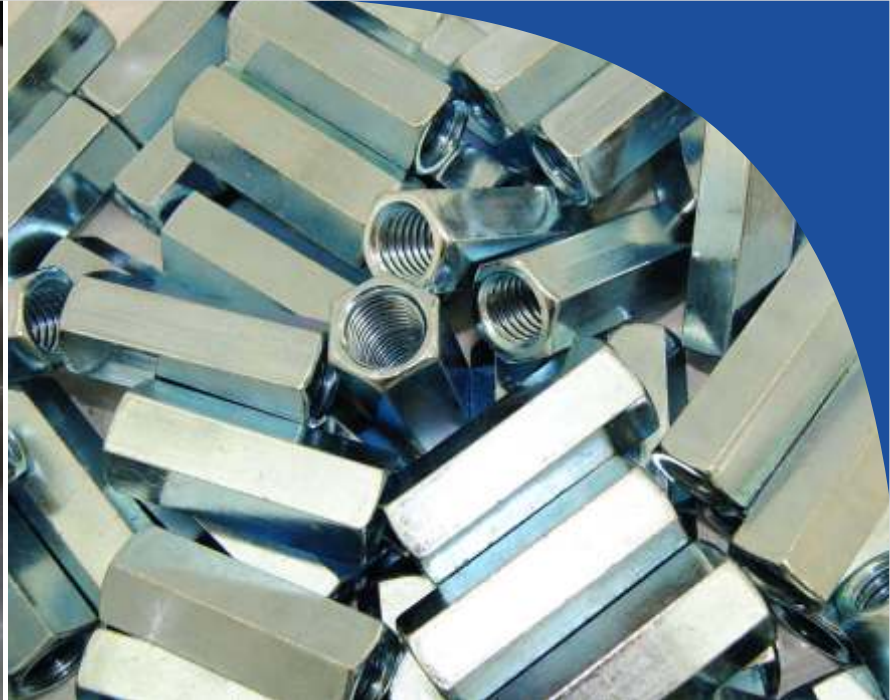
High speed steels produced by the powder metallurgical method for heavy duty cutting tools, e.g. for machining of nonferrous metals alloys such as Ti and Ai-alloys. Tools exposed to high compressive stresses, e.g. in fine blanking of high-strength materials

HIGH SPEED STEELS



BOHLER	DAIDO	PLODI	METAL RAVNE	JIS	ASSAB	NIPPON KOSHUHA	HITACHI	DEW DIN	AISI	C	SI	MN	P	S	CR	MO	V	W	CO
S 600	MH 51	MAX SPEC MO 5	BRM 2	SKH 51	SHP 41 UHB 29	HM 51		1.3343	M 2	0.86-0.94	0.45	0.40	0.03	0.03	3.80-4.50	4.70-5.20	1.70-2.00	6.00-6.70	
S 690	S 690		BRM 4	SKH 54					M 4	1.33					4.30	4.90	4.10	5.90	
S 400	MH 7		BRM 885	SKH 58		HM 3		1.3348	M 7	0.97-1.07	0.45	0.40	0.030	0.030	3.50-4.20	8.00-9.20	1.80-2.20	1.50-2.00	
S 705	MH 55	MAX SPEC MO 75	BRC MO	SKH 55	UHB 424	HM 35	YXM 4	1.3243	M 35	0.88-0.969	0.45	0.40	0.030	0.030	3.80-4.50	4.70-5.20	1.70-2.00	6.00-6.70	4.50-5.00
S 500			BRC MO 2	SKH 59		HM 42	YXM 42	1.3247	M 42	1.05-1.12	0.45	0.40	0.030	0.030	3.60-4.40	9.00-10.00	1.00-1.30	1.20-1.80	7.50-8.50
S 607				SKH 53	VANDIS 23			1.3344	ASP 23	1.27	0.45	0.40	0.030	0.030	4.20	5.00	3.10	6.40	
S 700			BRU		VANDIS 30			1.3207	ASP 30	1.27	0.45	0.40	0.030	0.030	4.20	5.00	3.10	6.40	8.50
								1.3241	ASP 60	2.30	0.45	0.40	0.030	0.030	4.00	7.00	6.50	6.50	10.50
S 200		MAX SPEC	BRW	SKH 2	VANDIS 60			1.3355	T 1	0.70-0.78	0.45	0.40	0.030	0.030	3.80-4.50		1.00-1.20	17.5-18.5	
S 305		MAX SPEC 55	BRC	SKH 3				1.3255	T 4	0.75-0.83	0.45	0.40	0.030	0.030	3.80-4.5	0.50-0.80	1.40-1.70	17.5-18.5	4.50-5.00
S 700				SKH 57				1.3207	T 42	1.20-1.35	0.45	0.40	0.030	0.030	3.80-4.50	3.20-3.90	3.00-3.50	9.00-10.00	9.50-10.50







Comprehensive stocks are held in a wide range of carbon and alloy steel specifications. British Standard and International specifications available. Our most popular grades are listed below; please contact our sales office for further information.

Contact us for those hard to find carbon and alloy steel specifications.

En8

0.4% medium carbon steel. A general purpose steel for applications requiring added strength and superior tensile properties to mild steel specifications.

En9

0.5% carbon steel giving higher tensile than EN8. Can be induction or flame hardened.

En19

1% chromium molybdenum high tensile steel. Suitable for highly stressed applications where greater strength is required.

En24

Nickel chromium molybdenum high tensile steel. Has good wear and shock resistance and is suitable for tensile ranges up to 1550 N/mm².

EN30B

4¼% nickel steel. Achieves a good through hardness with air or oil hardening. It is capable of taking a good polish and is widely used as a plastic mould steel.

En31

High carbon alloy steel which achieves a high degree of hardness with compressive strength and abrasion resistance.

En36

Nickel chromium case hardening steel. Give a very hard surface with a strong core and retaining a high degree of toughness.

En45

Silicon manganese alloy spring steel.

En47

Tough oil quenching spring steel which, when heat treated, offers good wear resistance.

SAE 8620

A low alloy case hardening steel.

SAE 8620

A low alloy case hardening steel.

AISI 4140

Chromium molybdenum high tensile steel. Supplied 18-22HRc (Hardness Rockwell)

AISI 4145

Chromium molybdenum high tensile steel similar to 4140. Supplied 30-36HRc

AISI 4130

Chromium molybdenum steel supplied 18-22HRc. Lower carbon content than AISI 4140.

AISI 6150

A chromium vanadium spring steel type steel.

PRODUCT OVERVIEW

Brand	Wear resistance	Corrosion resistance	Toughness	Polishability	Texturing Properties	Weldability	Machinability	Nitridability
THYROPLAST® 2083	++	++	+	++	++	+	++	+
THYROPLAST® 2083 SUPRA	++	++	++	++	++	+	++	+
THYROPLAST® 2085	+	++	+	0	0	+	+++	+
THYROPLAST® 2162	++	+	+	+++	+++	++	+++	+
THYROPLAST® 2190 SUPRA	++	++	+	+++	++	+	++	++
THYROPLAST® 2311	+	+	+	+	++	++	++	++
THYROPLAST® 2312	+	+	+	0	0	+	+++	++
THYROPLAST® 2316	+	++	+	++	++	++	++	+
THYROPLAST® 2316 SUPRA	+	++	+	++	++	++	++	+
THYROTHERM® 2343 EFS	++	+	++	++	++	++	++	++
THYROTHERM® 2343 EFS SUPRA	++	+	+++	+++	++	++	++	++
THYROTHERM® 2344 EFS	++	+	++	+	++	++	++	++
THYROTHERM® 2344 EFS SUPRA	++	+	++	++	++	++	++	++
THYROPLAST® 2361	+++	++	+	+	0	0	+	+++
THYRODUR® 2363	++	+	+	+	+	0	++	+
THYRODUR® 2379	+++	+	0	0	0	0	+	+
THYRODUR® 2709	++	+	+++	+++	+++	+++	++	++
THYROPLAST® 2711	+	+	+	+	++	++	++	++
THYROPLAST® 2738	+	+	+	+	++	++	++	++
THYROPLAST® 2764	++	+	++	+++	+++	++	++	-
THYRODUR® 2767	++	+	++	++	++	++	++	-
THYRODUR® 2842	++	+	+	++	++	0	++	-
THYROPLAST® 2891	+++	+	++	0	0	0	++	+++
THYRODUR® 2990	+++	+	+	+	0	0	++	+
THYRAPID® 3343	+++	+	+	0	+	0	+	+
THYROPLAST® PH X SUPRA	+	++++	+++	++++	+++	++++	++	++
THYROPLAST® PH 42 SUPRA	+	+	++	++++	+++	++++	++	++
PLAST 320	+	+	+	++	+++	+++	+++	++
CorroPlast®	+	++	++	+	+	++++	++++	++

WEIGHT FORMULA FOR ALLOY STEEL



WEIGHT FOR ANY SIZE ROUND

- 1 PER FEET (FOR MM SIZE)
DIA X DIA X 0.0019



WEIGHT FOR ANY SIZE SQUARE / RECTANGLE

- 2 PER FEET (FOR ANY SIZE IN MM)
SIZE X SIZE X 0.0024



WEIGHT FOR ANY HEX BAR

- 3 PER FEET (FOR ANY SIZE IN MM)
SIZE X SIZE X 0.0021



WEIGHT FOR HRC/CRC/PLATE

- 4 SIZE X SIZE X .785 X THICKNESS (in mm)



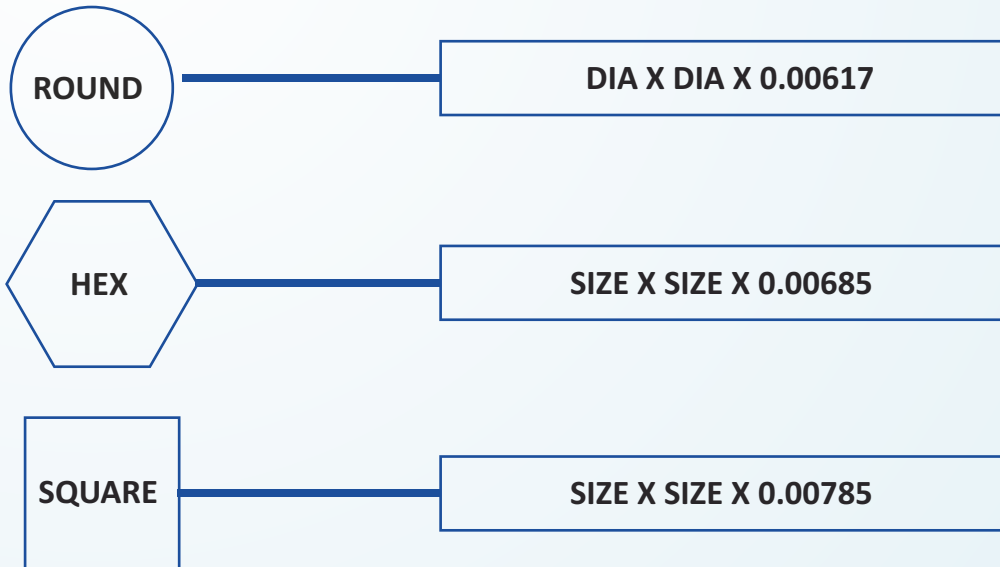
WEIGHT FOR ANY SIZE FLATS/SQUARE

- 5 W. X L. X THICKNESS X .13 (in inch)

WEIGHT FORMULA FOR STAINLESS STEEL



STEEL BAR WEIGHT PER METER IN MM SIZE



S. S. SHEET AND PLATE

$$\frac{\text{LENTH}}{\text{MM}} \times \frac{\text{WIDTH}}{\text{MM}} \times \frac{\text{THICKNESS}}{\text{MM}} \times .8$$

COPPER PIPE

$$\text{OD-WALL THICKNESS} \times \text{WALL THICKNESS} \times 0.0078 \text{ PER FEET}$$

COPPER RODS

MULTIPLY THE CORRESPONDING WEIGHT OF BRASS RODS BY 1.0517 TO GET THE WEIGHT OF COPPER RODS

NOTE : DENSITIES OF BRASS & COPPER HAVE BEEN TAKEN AS 8.50 AND 8.94 (GM/CM³) RESPECTIVELY

ALUMINIUM ROUND

$$\text{DIA} \times \text{DIA} \times 0.002346 \text{ PER METER}$$



High performance Steel for the Punching and Blanking Industry



High performance Steel produced by Power Metallurgy methods



Special Steel and Tools for Tube and Rod Extrusion



Tool Steel for the pressure Die casting industry



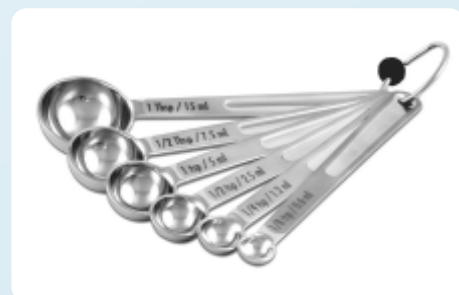
Plastic Mould Steel



Hot Work Tool Steel for the Forging process



Electrical discharge machining of Tool Steel



Cold Steel



GROUP OF COMPANIES

PUROHIT STEELS INDIA PVT. LTD.

Purohit Industrial Estate, Plot No. 7 & 8, S. No. 253,
Behind Johnson Motors, Near Range office,
Vasai (E), Thane - 401207, INDIA
T: 022-2859 3966, 022-2859 8097
F: 022-28593078

PUROHIT STEEL CO.

Gala No.1, Nathaline Industrial Estate, Sakinaka,
Kurla-Andheri Road, Andheri (E), Mumbai- 400 072
T: 022-2859 8097 / 022-2859 3966 / 022-6694 2820
F: 022-28593078

RAVI STEEL CO.

Gala No. 03, Bindal Indl. Estate, Sakinaka,
Off Kurla- Andheri Road, Andheri (E), Mumbai- 400 072
T: 022-2859 3077 / 022-2852 5597

PUROHIT ENGINEERING CO.

18, New Mahavir Indl. Estate, Off Kurla-Andheri Road,
Andheri (E), Mumbai- 400 072
T: 022-2851 7939

