

ARIHANT

GROUP OF COMPANIES

Steel, from stock to finished component.

More than a supplier — a partner. Material, made-to-order components and certificates that arrive as promised, from a group that controls every step itself.



STOCK & SUPPLY

Arihant Ispat

Special steel stockist
& exporter



FORGE · MACHINE

**Kulpak Steel
& Forgings**

Open & closed die
forgings



HEAT TREATMENT

**Rishab
Heattreaters**

Complete heat
treatment solutions

Three companies. One promise: certified steel, on time.

When you buy from the Arihant Group, your material never changes hands between vendors. Stocking, cutting, forging, heat treatment, machining and testing all happen within the group — so there is one purchase order, one quality system, and one partner answerable for the result.



Arihant Ispat

STOCKIST & EXPORTER OF SPECIAL STEELS

Carbon, alloy, stainless, duplex and nickel-alloy steels — plus aluminium, copper and brass — held in ready inventory, so your material ships in days, not mill lead-times. Band saws and state-of-the-art cutting machines cut every section to your exact length, and every bar leaves with its mill test certificate.



Kulpak Steel & Forgings Pvt Ltd

ISO 9001:2015 • FORGING & MACHINING

Open and closed die forgings made to order — shafts, rings, flanges, gear blanks and shaped parts to your drawing — delivered proof-machined or fully finished from the in-house machine shop.



Rishab Heattreaters

ISO 9001:2015 • HEAT TREATMENT

Complete heat treatment — from case carburizing to solution annealing — with hardness, case depth and microstructure verified on the group's laboratory before any batch moves on.

<div>80+</div> <div>grades ex-stock — ship in days, not mill lead-times</div>	<div>Ø1250</div> <div>mm sections cut in-house — no outside processing</div>	<div>Custom</div> <div>made-to-order components to your drawing — forged to finished</div>	<div>MTR</div> <div>test certificate with every supply, verified in-house</div>
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Six stages. One chain of custody.

Every hand-off between vendors adds days, freight and paperwork risk. Inside the group there are no hand-offs — your material and its documentation move through all six stages under one roof, and you deal with exactly one supplier.



Stock & cut

ARIHANT ISPAT

Your grade is already on the rack — 80+ grades from approved mills, cut to your exact length on band saws and state-of-the-art cutting machines. Flat products slit or cut-to-length to your blank size.



Forge

KULPAK

Open & closed die forgings, rings and flanges — shaped to near-net size, saving you material and machining time.



Heat treat

RISHAB

Every common cycle under one roof — no need to route material to a second heat-treater.



Machine

KULPAK

Delivered ready to use — proof-machined or fully finished on VTLs to Ø1300 mm and lathes to 6 m.



Test & certify

GROUP LABORATORY

Chemistry, strength, hardness and internal soundness proven in-house — your test report ships with the material, not weeks after it.

EXPANDING

A new plant is coming up at Vasanthanarasapura, Tumakuru — a new line of machinery and equipment is under installation, adding fresh capacity across the group's cutting, forging and machining operations.

Trusted across industries

From rock-drilling tools to wind-turbine shafts, our material and components go into applications where failure is not an option. Each sector is served with the grades, tolerances and certification it demands.

Mining & Drilling ROCK TOOLS · RIGS	Borewell & Water Well DTH HAMMERS · BITS	Oil & Gas VALVES · WELLHEAD	Railways & Defence AXLES · GEARS
Power — Hydro & Wind SHAFTS · RINGS	Gears & Transmissions BLANKS · PINIONS	Construction & Earth Moving UNDERCARRIAGE	Machine Tool SPINDLES · WAYS
Automobile FORGINGS · SHEET	Sheet Metal & Stamping BLANKS · COILS · FABRICATION	Heavy Engineering FABRICATION	Valves & Pumps BODIES · STEMS
Hydraulics RODS · CYLINDERS	Cement & Sugar Plants WEAR PARTS	Material Handling WHEELS · HUBS	General Engineering BAR · PLATE · FORGINGS
Aerospace & High-Temp NICKEL ALLOYS			



EXPORT

International orders handled with complete mill certification and traceability documentation — Arihant Ispat is an established exporter of special steels.

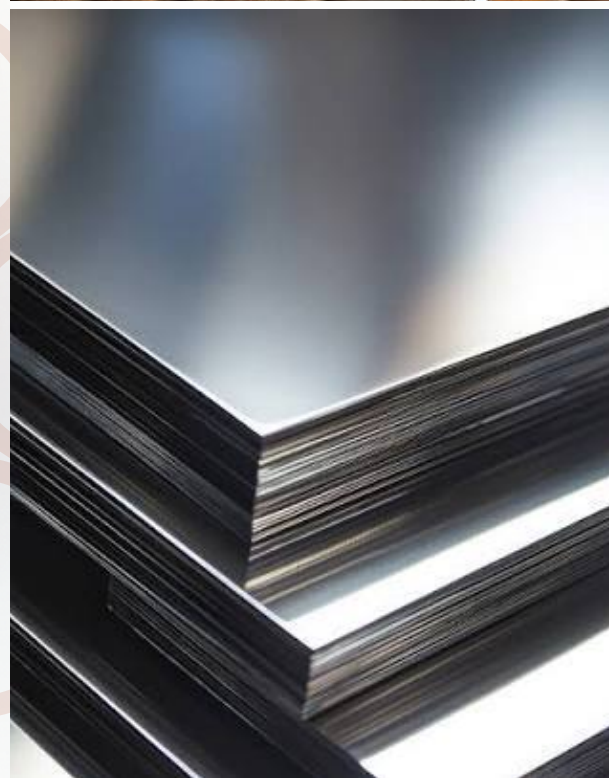


CHAPTER ONE • ARIHANT ISPAT

The grade you need, already in stock

Waiting on a mill rolling schedule can stall a project by months. Arihant Ispat holds one of the widest steel and alloy inventories in the region — cut to your length and shipped with its mill test certificate, in days.

INVENTORY	Steels • Nickel alloys • Aluminium • Copper • Brass
CUTTING	Band saws & state-of-the-art machines
FLAT LINES	Slitting • Cut-to-length
SUPPLY CONDITION	As-cut • Heat treated • Machined
CERTIFICATION	ISO 9001 : 2015 • MTC with every supply



1.1

Carbon Steel

The workhorse grades behind shafts, structures, pressure parts and general engineering — stocked deep, because these are the sizes and grades your shop needs most often.

Grades stocked

Highlighted = deepest stock

C30	C40	C45 / 45C8	55C8	C55	C60
C70	EN8	EN8D	EN9	EN18 / EN18D	40Cr4
A105	LF2	LF3	ST52	EN3A	EN14A / 20MN2
SAE 1006	SAE 1010	SAE 1018	SAE 1020	SAE 1045	S355J2
P355NH	A694 F60/F70	Sail-MA			

Where these grades go

EN8 · SAE 1045 · 45C8	Shafts, axles, studs, general machine parts
A105 · LF2 · LF3	Flanges, fittings and pressure parts — incl. low-temperature service
S355J2 · ST52 · P355NH	Structures, cranes and pressure vessels
SAE 1006 – 1020	Forming, fabrication and low-carbon components

Forms & size range

ROUNDS Ø18 – 800 mm	FLATS / SQUARES 20×20 – 340×400 mm	PIPES Ø70 – 150 mm	PLATES to 6000×2000×250 mm
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CUT TO SIZE

Every grade supplied cut to your exact length — with or without heat treatment, or machined ready for your first operation.

1.2 Alloy Steel

When a gearbox, axle or drill string cannot afford to fail, the grade matters. We stock the full spectrum of through-hardening and case-carburizing steels — organised here the way your designer specifies them.

Through-hardening & nitriding

Shafts • axles • hydraulics • high-strength parts

EN19	EN24	EN31 / SAE52100	EN41B	EN47	50CrV4
AISI 4140	AISI 4130	SAE 4145	SAE 4150	709M40	SAE 4340
AISI 4330V	42CrMo4	34CrNiMo6	21CrMoV57	31CrMoV9	20MNV6

Case-carburizing

Gears • pinions • cam shafts • mining tools

EN353	EN354	EN36 A/B/C	EN39B	SAE 8620	SAE 8620H
SAE 4320	16MnCr5	20MnCr5	18CrNiMo7-6	18CrNiMo6	20NiCrMo2
17CrNiMo6	SCM 420	SCM 440	F11	F22	

Tool steels

Dies • hot-work tooling

D2	D3	H11	H13
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Forms & condition

ROUNDS Black • Bright • Peeled	FLATS / SQUARES Cut to size	PIPES Seamless • Bored	PLATES As-rolled • Machined
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1.3

Stainless, Duplex & Nickel Alloys

For corrosive, high-pressure and high-temperature service — from food-grade stainless to offshore duplex and aerospace-class nickel superalloys, with the certification these applications demand.

Stainless austenitic & martensitic

Pumps · valves · food · marine · pharma

302	303	304 / 1.4301	304L / F304L	316 / 1.4401	316L / F316L
321 / F321	F347	F6NM	FXM-19	410 / AISI 410	420 / AISI 420
430	440C	X22CrMoV121			

Duplex & super duplex

Offshore · desalination · chemical

F44	F51 / 2205 / 1...	F53	F55	F60	17-4PH / 1.4542
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High-temperature & pressure-vessel steels

Power · petrochemical · boilers

F91	F92	F11	F22
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Nickel alloys Inconel

Aerospace · gas turbines · deep-sea

Inconel 600	Inconel 617	Inconel 625	Inconel 718
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Forms

ROUNDS / RODS Bright · Black bar	FLATS Cut-to-length	PLATES As-rolled	PIPES / TUBES Seamless · Welded
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PMI VERIFIED

Positive Material Identification on request — instrument-verified confirmation that the alloy in your hands is the alloy on the certificate.

1.4

Flat Rolled, Structural & Tubular

Sheet, coil and hollow sections for stamping, fabrication and structural work — slit or cut-to-length in-house, so your line receives blanks ready to press, not coils to process.

Flat rolled products

PRODUCT	GRADES	THICKNESS	FORM
Hot Rolled (HR)	E250 · E350 · E450 · FE510	1.6 – 50 mm	Sheets & Coils
HR Pickled & Oiled (HRPO)	Grade D	1.6 – 60 mm	Sheets & Coils
Cold Rolled / CRCA	Grade D · DD · EDD	0.3 – 3.5 mm	Sheets & Coils
Galvanised (GI / GPSP)	–	0.4 – 3 mm	Sheets & Coils
SAPH (auto grade)	440 · 590	On request	Sheets & Coils

Structural & tubular

ERW Tubes	Ø12 – 200 mm
Square Hollow Sections (SHS)	12 – 200 mm
Rectangular Hollow Sections (RHS)	12 – 200 mm

READY BLANKS

Flat products delivered slit or cut-to-length to your blank size, with test certificates — straight onto your press line.

1.5

Non-Ferrous — Aluminium, Copper & Brass

Aerospace-grade aluminium to electrical-grade copper — sourced primarily from Jindal Aluminium, so the light-metal side of your bill of materials comes from the same trusted source as the steel.

Aluminium

wrought grades

Tempers T4 · T6 · T651 · T7351 · MTC with supply

GRADE	FORMS	CHOOSE IT FOR	TEMPER
6061	Plates · Rods · Flats · Sheets	General engineering, structural parts, marine — weldable all-rounder	T6
6082	Plates · Rods · Flats · Sheets	Heavy structures, cranes, rail, offshore — more strength than 6061	T6 / T651
2014	Plates · Rods · Flats	Aerospace fittings, heavy-duty forgings, defence	T6 / T651
7075	Plates · Rods · Flats · Sheets	Maximum strength — airframes, tooling, high-stress parts	T6 / T7351
5052	Sheets	Marine, fuel tanks, pressure vessels — best corrosion resistance	—
1100 / 8011	Sheets	Chemical equipment, heat exchangers, packaging	—

Profiles & bus bars

EXTRUDED PROFILES Custom & standard sections	BUS BARS 6061 · 6063 · 1050	FOR Switchgear · Transformers
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Copper & brass

Copper	Rods · Squares · Flats · Sheets	Conductors · heat exchangers
Brass IS319 Gr.1	Sheets · Pipes · Rods	Machined parts · valves · fittings

Sourced only from approved mills

The certificate is only as good as the mill behind it. Every bar, plate and coil we stock comes from an approved primary or special-steel producer — domestic and international — so the chemistry on the paper is the chemistry in the steel.

 JSW	 Bhushan	 Jayswal Neco	 Sanyo Special Steel	 Saarloha
 ABS Italy	 Hyundai Steel	 SAIL	 JSPL	 POSCO
 AMNS	 VSP	 Laxcon	 Kirkloskar Ferrous	 BGH
 Ambica	 Sunflag	 Jindal Aluminium	 Agrawal Metal Works	

SPECIAL ORDERS

Grade not in stock? We arrange raw material to your exact specification from these mills — in the shortest lead times in the trade.

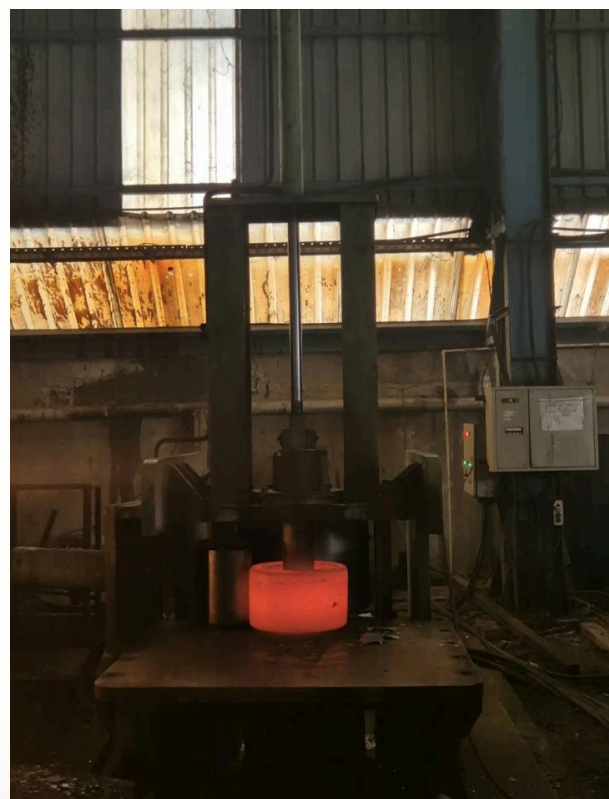


CHAPTER TWO • KULPAK STEEL & FORGINGS

Forged, machined and delivered ready to fit

Send a drawing; receive a finished component. Kulpak specialises in made-to-order forgings — shafts, rings, flanges, blocks and shaped parts — finished in its own machine shop, so what reaches you is ready for assembly, not another vendor.

FORGING	Hammers • 200 T screw press • 1200 T hydraulic press
RING ROLLING	Vertical & horizontal • to Ø1500 mm OD
MACHINING	VTL to Ø1300 mm • Lathes to 6 m
QUALITY	ISO 9001 : 2015
DUNS	87-190-3547



2.1 – 2.2 Forge shop & machining

Hammer, press and ring-rolling under one roof means the right forming method for each part — and an in-house machine shop means the forging goes straight to finishing without leaving the premises.

Forging equipment

Beche Pneumatic Hammer	Open die
Massey NSE Pneumatic Hammer	Open die
KSFPL Screw Press	200 Tons
KSFPL Hydraulic Press	1200 Tons
Ring Rolling — Vertical & Horizontal	up to Ø1500 mm OD
Oil-Fired Pre-heating Furnace	Controlled temperature

Machine shop

Vertical Turret Lathes (VTL)	up to Ø1300 mm OD
Heavy Lathes	up to Ø700 mm OD • 6 m length
Centre Lathes	100 – 600 mm OD

Material handling overhead cranes

RAW MATERIAL YARD 25 MT & 10 MT × 2	CUTTING BAY 5 MT × 2
FORGE SHOP 5 MT	HEAT TREATMENT 2 MT



2.3 Proven parts, by industry

Seventy-plus part families in regular production — and if your component is not on this page, share a drawing and we will quote it with forging method, heat-treat cycle and inspection plan included.

Mining & Drilling <div> Couplings Bit Forgings Back Heads Connecting Rods Cylinders Drive Shafts Front Heads Adaptors </div> <div> Pistons Piston Bushes Retainers Rings Shafts Valve Forgings Trunnions Discs </div>	Borewell & DTH <div> DTH Hammers DTH Bits Hammer Pistons </div> <div> Drill Rod Adaptors Chucks Drive Subs </div>
Oil & Gas <div> Bonnets Adaptors Bodies Stems Gates Blank Seats Square Blocks Gate Valve Bodies </div> <div> Flats Rings Shape Forgings Studs & Tees Flanges Ball Valves Trunnion Plates </div>	General Engineering <div> Seat Rings Shaft Forgings Couplings Housings Hub Forgings Shafts Blank Pistons Rollers </div> <div> Pinion Shafts Ring Spacers Gear Wheel Spindles Rounds End Covers End Cylinders Sleeve Forgings Flats </div>
Construction & Earth Moving <div> Bearing Sleeves Bearing Yokes Sprocket Blank Pinions Cap End Covers </div> <div> Hubs & Housings Main Shafts Piston Eyes Roller Rings </div>	Railways & Defence <div> Gears Ring Forgings Axles </div> <div> Bearing Caps Bearing Covers Bevel Pinions </div>
Power Hydro & Wind <div> Round Bars Pole End Plates Ring Forgings </div> <div> Shafts Piston Rods </div>	Material Handling <div> Wheels Shafts Bushes </div> <div> Gear Blanks Hubs </div>
Gears & Transmissions <div> Cam Shafts Main Shafts Gear Blanks </div> <div> Pinion Shafts Bevel Pinions Reduction Wheels </div>	



Properties you can put a certificate behind

Heat treatment is where a component earns its strength — and where an unverified cycle can hide a failure. Every batch at Rishab is checked for hardness, case depth and microstructure on the group's own laboratory before it leaves.

PROCESSES	Every common cycle covered
FURNACES	Sealed quench · Hardening · Tempering
CASE PROCESSES	Gas carburizing
VERIFICATION	In-house metallurgical laboratory
QUALITY	ISO 9001 : 2015



3.1 – 3.2

Every cycle your parts need

Every cycle under one roof — one vendor, one standard, one certificate, from case hardening to solution annealing.

Processes

All under one roof

Case Carburizing	Case Hardening	Quenching & Tempering	Normalizing
Stress Relieving	Annealing	Spheroidize Annealing	Solution Annealing

Equipment

Sealed Quench Furnace	Scale-free case hardening
Hardening Furnace	Through hardening
Tempering Furnace	Controlled final properties
Gas Carburizing Furnace	Deep, uniform case
Oil & Water Quench Tanks	Grade-matched quench media
Washing Machine	Parts delivered clean



VERIFIED

Hardness, case depth and microstructure confirmed on the group's own laboratory — the report travels with the batch, not behind it.

Quality & testing laboratory

Sending samples to an outside lab adds a week to every dispatch. The group laboratory — shared by Kulpak and Rishab — verifies chemistry, strength, hardness and internal soundness in-house — so certification never delays delivery, and every claim on the certificate was measured on our own floor.

Is it hard enough?

Micro Vickers — Wilson	Case-depth profiles
Brinell — FINE · 3000 kgf	Forgings & bar
Rockwell — FINE	Finished parts
Portable — URNDT	Large jobs, in-situ

Is it the right steel?

Spectrometer OES — MPL	Full chemistry in minutes
PMI — ELVATECH	Alloy verification on the spot
Microscope + Image Analyzer	Microstructure · inclusion · grain size

Is it strong enough?

Tensile Testing — 40 Ton	Full-size test bars
Impact ASTM/ISO — 0–300 J	Toughness, incl. sub-zero specs
V-Notch Broaching + Profile Projector	Accurate specimens

Is it sound inside?

Ultrasonic Flaw Detection — EECL	Internal defects found before machining
Gauss Meter — Western	Residual magnetism checked

MTR

A Material Test Report accompanies every supply — chemistry, mechanicals and microstructure, traceable from mill heat number to your delivery.

Talk to us about your next requirement

Send a grade, size and quantity — or a component drawing — and we respond with certified pricing and availability.



Arihant Ispat

#115 & #123, 7th Main, 3rd Cross,
3rd Phase, Peenya Industrial Area,
Bangalore — 560058

ISO 9001 : 2015



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DUNS 87-190-3547

Forging & Precision Machining

www.kulpakforgings.co.in



Rishab Heatreaters

Peenya Industrial Area,
Bangalore — 560058

ISO 9001 : 2015

Heat Treatment · Metallurgical Testing



QUOTE One enquiry covers material, cutting, forging, heat treatment, machining and certification.

ARIHANT

GROUP OF COMPANIES

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STOCK · CUT · FORGE · HEAT TREAT · MACHINE

ADDRESS

#115 & #123, 7th Main, 3rd Phase, Peenya Industrial Area, Bangalore – 560058
Vasanthanarasapura Industrial Area, Tumakuru – 572128

PHONE

+91 93425 36368 · +91 98802 70981 · +91 95907 77710
+91 73538 78655 · +91 93418 10286

WEB

www.kulpakforgings.co.in