



JINDAL
METALS & ALLOYS LTD.
(Formerly IUP Jindal Metals & Alloys Ltd.)

Perfect Balance of Quality

Manufacturer of Medium & High Carbon Cold Rolled
And Hardened & Tempered Steel Strips.

“Our people decide
the capacity of
machines, never the
other way around.”

– MS SMINU JINDAL
Managing Director - Jindal SAW Ltd.



 **JINDAL**
JINDAL METALS & ALLOYS LTD.

About Us

Jindal Metals & Alloys Ltd is a leading manufacturer of high-quality precision steel strips offering a wide choice of thin and ultra-thin cold rolled strips and hardened & tempered strips with precise properties that meet most stringent product and quality standards.



As a subsidiary unit of Jindal SAW Ltd. (part of the multi-billion dollar diversified O.P. Jindal Group – a frontrunner in Total Pipe Solutions), Jindal Metals & Alloys Ltd. began operations over 35 years ago and has an enviable track record of stability, trust and growth in the industry.

With manufacturing facilities situated at Bahadurgarh near Delhi, Jindal Metals & Alloys are Engineering Satisfaction as acknowledged leaders in creating value through result driven product innovation. A corporate philosophy of “think, think ahead and rethink” till the last step of the value chain, extensive marketplace experience and deep understanding of customer needs, gives Jindal Metals & Alloys the ability to develop highly customized material and product solutions, including niche products for niche markets.



Vision, Mission & Values

- To be the most Recognized Precision Hardened & tempered Steel Global Player offering immense wealth of innovative tailor-made highly precise value Products for each Customer.
- To inspire the business team with positive energy to implement and develop Environment-friendly Hardened & Tempered Steel solution to the world.

Jindal's specialty steel and high quality products are created to touch the customer's soul. The Company strives to provide customized steel strip solutions and whenever possible, adopt new and innovative solutions to optimize product quality and service.

Footprints of Excellence

Jindal Metals & Alloys is largely focused on the OEM Industry and Export market, supplying a wide range of products to customers across the globe including the USA, Canada, Europe, France, Spain, Sweden, Turkey, Australia, Germany, Italy, United Kingdom, Brazil, Nigeria, Thailand, etc.







Our Products

Cold Rolled Medium, High Carbon & Alloy Steel Strips

Hot rolled steel coils are cold rolled to alter their mechanical properties and prepare them for forming and bending operations. Hot rolled coils are descaled, washed and cold rolled below the steel's re-crystallization temperature. Strips are rolled to final thickness either directly or with inclusion of annealing process at some intermediate thickness to enable further rolling. This process gives Jindal's Cold Rolled Steel Strips better thickness tolerance, better surface finish and the required mechanical properties.

Hardened & Tempered Steel Strips

Jindal's unique Hardened & Tempered Steel Strips manufacturing facility employs liquid metal bath quenching with automatic computerized temperature control system – a process that is different from conventionally used oil quenching process. Bainitic steel strips thus produced have a unique combination of improved hardness, toughness and ductility. Breuer strip grinding and polishing lines provide the desired surface finish while profiling machines shape product edges accurately.







Cold Rolled Steel Strips

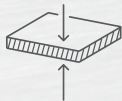
Manufacturing Capacity

10,000

MT/annum

Jindal Metals & Alloys offers cold rolled steel in accordance to IS, BS, SAE/AISI, JIS, DIN, EN, ASTM standards in fully Spheroidized, Annealed, Special Rolled & Temper Passed condition.

Specifications



Thickness

0.10 mm to 4.00 mm



Width

12 mm to 525 mm



Surface Finish

Bright & Matt



Edges

Slit Edge & Mill Edge

GRADES & STANDARDS			CHEMICAL COMPOSITION								
Grade	Relevant Standard	Nomenclature	C %	Mn %	Si %	S %	P %	Cu %	OTHERS	Ni %	Cr %
C 55	IS-2507	55C6	0.50-0.60	0.50-0.65	0.10-0.35	<0.050	<0.050	-	-	-	-
	ASTM A 568	SAE-1055	0.52-0.60	0.60-0.90	0.15-0.30	<0.035	<0.030	-	-	-	-
	EN 10132-4	CK-55	0.52-0.60	0.60-0.90	0.15-0.35	<0.025	<0.025	-	Mo<0.10	<0.40	<0.40
	JIS 4802	S55C	0.52-0.58	0.60-0.90	0.15-0.5	<0.035	<0.030	<0.30	Ni+Cr<0.35	<0.20	<0.20
C 62	IS-2507	65C6	0.60-0.70	0.50-0.80	0.10-0.35	<0.050	<0.050	-	-	-	0.10-0.35
	ASTM A 568	SAE-1060	0.55-0.66	0.60-0.90	0.15-0.30	<0.035	<0.030	-	-	-	-
	EN 10132-4	CK60	0.57-0.65	0.60-0.90	0.15-0.35	<0.025	<0.025	-	Mo<0.10	<0.40	<0.40
	JIS 4802	S60C	0.55-0.65	0.60-0.90	0.15-0.30	<0.035	<0.030	<0.30	-	<0.20	<0.20
C 80	IS-2507	80C6	0.75-0.85	0.50-0.80	0.10-0.35	<0.050	<0.050	-	-	-	-
	ASTM A 568	SAE-1080	0.74-0.88	0.60-0.90	0.15-0.30	<0.035	<0.030	-	-	-	-
	ASTM A 569	SAE-1074	0.70-0.80	0.50-0.80	0.15-0.30	<0.035	<0.030	-	-	-	-
	EN 10132-4	C75S	0.70-0.80	0.60-0.90	0.15-0.35	<0.025	<0.025	<0.40	Mo<0.10		<0.40
	EN 10132-4	C85S	0.80-0.90	0.40-0.70	0.15-0.35	<0.025	<0.025	<0.40	Mo<0.10	-	<0.40
	JIS 4802	S80C	0.75-0.85	0.60-0.90	0.15-0.30	<0.035	<0.030	<0.30	-	<0.20	<0.20
C 98	ASTM A 568	SAE-1095	0.90-1.03	0.30-0.50	0.15-0.30	<0.035	<0.030	-	-	-	0.10-0.35
50CrV4	51CrV4	SAE-6150	0.47-0.55	0.70-1.10	0.15-0.35	<0.040	<0.040		V 0.10-0.20		0.90-1.20
	JIS	SUP-10	0.47-0.55	0.80-1.10	0.15-0.35	<0.040	<0.040		V 0.10-0.20		0.90-1.20
75Cr1	IS-2507		0.70-0.80	0.60-0.80	0.25-0.50	<0.03	<0.030				0.30-0.40

Hardness and Mechanical Properties as per Customer's Requirements

Applications

Cold Rolled Steel Strips

Jindal's high quality precision cold rolled steel strips meet the most stringent product requirements and offer excellent proportions of hardness, ductility, flatness and straightness. They are present in almost all everyday things, performing with equal proficiency in diverse applications and different industries.



Automobile Industry
Clutch Assembly, Friction Plate, Horn Disphram, Seat Belt, Chain Links, Circlips



Medical & Pharma
Surgical Blades



Cutting Tools
Hacksaw, Marble Cutting Saws



Agriculture & Masonry
Combine Blades, Combine Chains & Measuring Tape



Defense, Hosiery & Textiles
Textile Drop Pins, Hair Clips



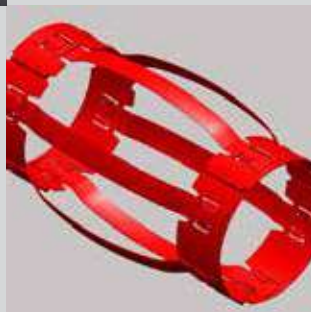
Safety Applications
Safety Belt, Safety Shoe Toe Cap & Shoe Shanks



Food Industry
Cutlery Blades & Bread Cutting Knives



Miscellaneous & General Applications
Bow Spring Centralizers





Hardened and Tempered Steel Strips

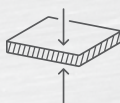
Manufacturing Capacity

12,000

MT/annum

Jindal Metals & Alloys offers Hardened & Tempered Medium Carbon, High Carbon & Low Alloy Steel grades steel in accordance to IS, BS, SAE/AISI, JIS, DIN, EN, ASTM standards in coil as well as cut-to-length form.

Specifications



Thickness
**0.20 mm to
4.00 mm**



Width
**20 mm to
525 mm**



Surface Finish
**Polished-Bright/Blue/
Bronze & Furnace-
Bright/Grey Blue**



Edges
**1ER/2ER/Silted
Edge/Square Edge**



Hardness
36 HRC to 54 HRC

GRADES & STANDARDS			CHEMICAL COMPOSITION								
Grade	Relevant Standard	Nomenclature	C %	Mn %	Si %	S %	P %	Cu %	OTHERS	Ni %	Cr %
C 55	IS-2507	55C6	0.50-0.60	0.50-0.65	0.10-0.35	<0.050	<0.050	-	-	-	-
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	JIS 4802	S55C	0.52-0.58	0.60-0.90	0.15-0.5	<0.035	<0.030	<0.30	Ni+Cr<0.35	<0.20	<0.20
C 62	IS-2507	65C6	0.60-0.70	0.50-0.80	0.10-0.35	<0.050	<0.050	-	-	-	0.10-0.35
	ASTM A 568	SAE-1060	0.55-0.66	0.60-0.90	0.15-0.30	<0.035	<0.030	-	-	-	-
	EN 10132-4	CK60	0.57-0.65	0.60-0.90	0.15-0.35	<0.025	<0.025	-	Mo<0.10	<0.40	<0.40
	JIS 4802	S60C	0.55-0.65	0.60-0.90	0.15-0.30	<0.035	<0.030	<0.30	-	<0.20	<0.20
C 80	IS-2507	80C6	0.75-0.85	0.50-0.80	0.10-0.35	<0.050	<0.050	-	-	-	-
	ASTM A 568	SAE-1080	0.74-0.88	0.60-0.90	0.15-0.30	<0.035	<0.030	-	-	-	-
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	EN 10132-4	C85S	0.80-0.90	0.40-0.70	0.15-0.35	<0.025	<0.025	<0.40	Mo<0.10	-	<0.40
	JIS 4802	S80C	0.75-0.85	0.60-0.90	0.15-0.30	<0.035	<0.030	<0.30	-	<0.20	<0.20
C 98	ASTM A 568	SAE-1095	0.90-1.03	0.30-0.50	0.15-0.30	<0.035	<0.030	-	-	-	0.10-0.35
50CrV4	51CrV4	SAE-6150	0.47-0.55	0.70-1.10	0.15-0.35	<0.040	<0.040		V 0.10-0.20		0.90-1.20
	JIS	SUP-10	0.47-0.55	0.80-1.10	0.15-0.35	<0.040	<0.040		V 0.10-0.20		0.90-1.20
75Cr1	IS-2507		0.70-0.80	0.60-0.80	0.25-0.50	<0.03	<0.030				0.30-0.40
75Ni8	EN 1.5634		0.72-0.78	0.30-0.50	0.15-0.35	<0.025	<0.025		Mo 0.10	1.8-2.10	<0.15

Applications

Hardened & Tempered Steel Strips

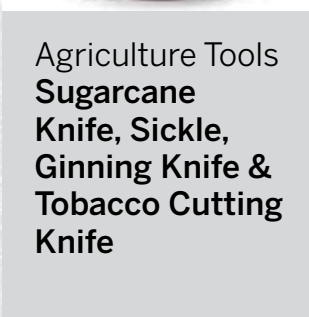
Hardened & Tempered Steel Strips find diverse use across special segments. They are used to make saw blades, garden cutting tools, masonry tools and auto parts. They are also used in the paper industry and printing presses.



Automobile Industry
Clutch, Wiper Blades, Spring Washers, Disc Washers, Reed & Discharge Valve



Wood, Marble & Stone Cutting Tools
Hand Saw, Wood Band Saw, Circular Saw and Gang Saw



Agriculture Tools
Sugarcane Knife, Sickle, Ginning Knife & Tobacco Cutting Knife



Masonry Tools
Putti Knife, Gurmala, Karni, Paint Scrappers, & Plastering Trowel



Stationary Sharpener Blades & Stapler



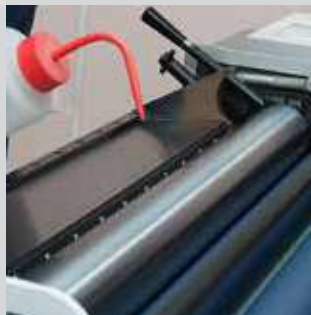
Leather Industry
Leather Band Knife



Garden Tools
Thrashing Knife. Brush Cutter Knives & Nipper Blades



Other Applications
Doctor Blades for Paper Industry, Rolling Shutter and Flat Spiral Spring



Our Reach

HEAD OFFICE

INTERNATIONAL MARKETING & WORKS

JINDAL METALS & ALLOYS LIMITED

(Formerly IUP Jindal Metals & Alloys Ltd.)

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