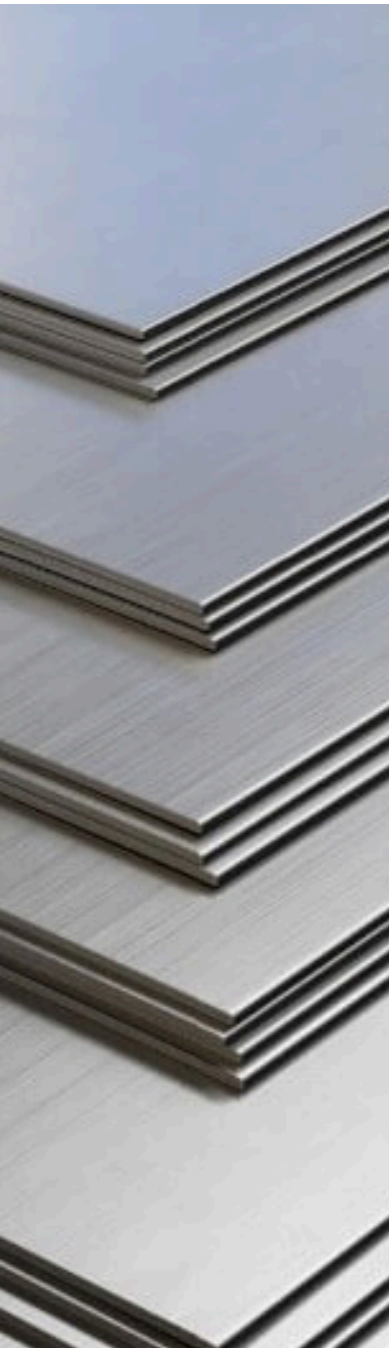
SKY ALUMINIUM

AN ISO 9001:2015 CERTIFIED COMPANY

SKY ALUMINIUM



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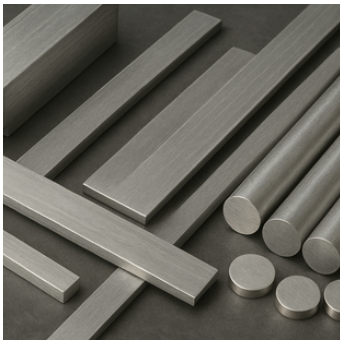
www.skyaluminium.co.in

Sky Aluminium has a wide export network reaching South America, Europe, Southeast Asia, the Middle East, and Africa, and imports superior-grade materials from Europe, China, Malaysia, Russia, and Singapore.

Our subsidiary company is also the authorized dealer of some of the most respected aluminium brands in the country, including:

- Bharat Aluminium Company (BALCO)
- Jindal Aluminium Ltd and
- Hindalco Industries Limited

These partnerships reinforce our ability to provide certified, branded products with enhanced technical support.



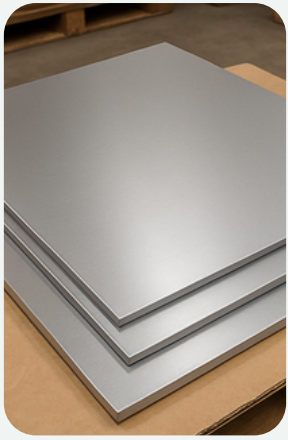
About Us

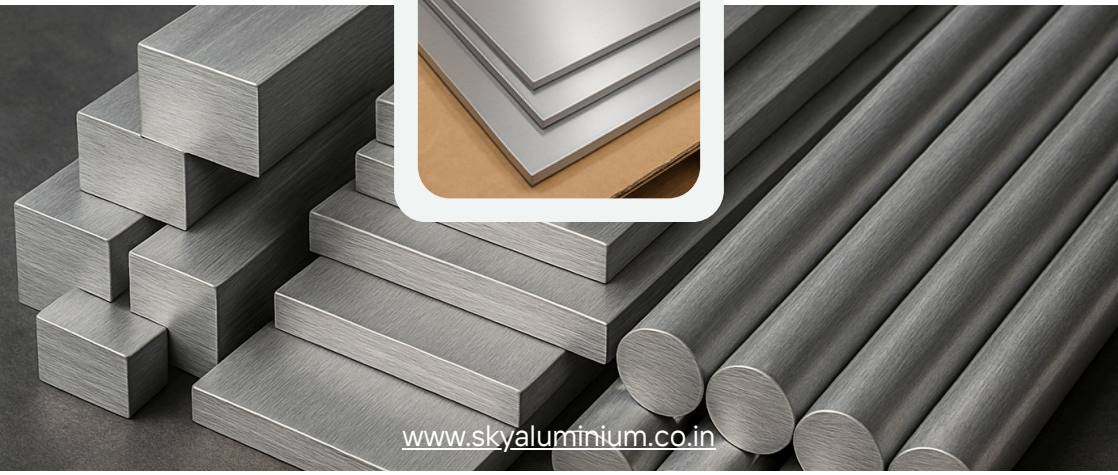
Sky Aluminium is a leading manufacturer, supplier, and exporter of high-quality aluminium and non-ferrous metals. We provide a wide range of sheets, plates, coils, pipes, tubes, and bars for industries including aerospace, marine, automotive, defense, and construction.

With direct sourcing from reputed global mills, strong inventory, and in-house fabrication, we ensure traceable, reliable, and precisely finished materials delivered with fast turnaround. Our commitment is to quality, value, and long-term customer partnership.

What We Do

At Sky Aluminium, we supply high-performance ferrous and non-ferrous metals engineered to meet global standards. We source directly from trusted mills, ensuring consistent quality and competitive pricing. With a ready inventory of aluminium bars, plates, coils, and pipes, we efficiently support both bulk and customized requirements. Our streamlined logistics enable fast turnaround and reliable delivery, while our team provides responsive, customer-focused support from enquiry to fulfillment. Sky Aluminium continues to strengthen its capabilities through ongoing investments in technology, infrastructure, and quality systems to meet the evolving needs of global markets.





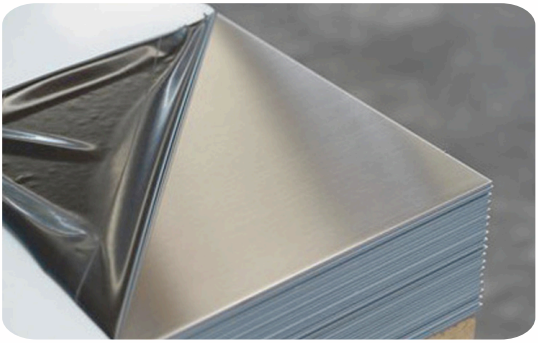
ROLLED PRODUCTS

ALUMINIUM COIL

ALLOY	1XXX/2XXX/3XXX/5XXX/ 6XXX/7XXX/8XXX
THICKNESS	0.3MM - 6MM
STANDARD WIDTH	813MM - 1524MM
FINISHES AVAILABLE	Mill finish surface (with clean residual oil or degreased by thermal treatment)

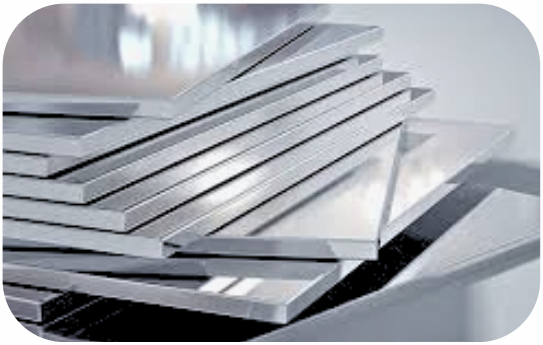
ALUMINIUM SHEETS

ALLOY	1XXX/2XXX/3XXX/5XXX/ 6XXX/7XXX/8XXX
THICKNESS	0.4MM - 6MM
STANDARD WIDTH	900MM - 1500MM
STANDARD LENGTH	1000MM - 6000MM
FINISHES AVAILABLE	Mill finish surface (with clean residual oil or degreased by thermal treatment)



ROLLED PRODUCTS

ALUMINIUM PLATE



ALLOY	1XXX/2XXX/3XXX/5XXX/ 6XXX/7XXX/8XXX
THICKNESS	6.3MM - 250MM
STANDARD WIDTH	900MM - 1500MM
STANDARD LENGTH	1000MM - 6000MM
FINISHES AVAILABLE	Mill finish surface (with clean residual oil or degreased by thermal treatment)

ALUMINIUM CHEQUERED SHEETS

ALLOY	1XXX/2XXX/3XXX/5XXX/ 6XXX/7XXX/8XXX
THICKNESS	0.5MM - 8MM
STANDARD WIDTH	900MM - 1250MM
STANDARD LENGTH	2000MM - 4000MM
FINISHES AVAILABLE	Mill finish surface (with clean residual oil or degreased by thermal treatment)
RAISED PATTERN TYPES AVAILABLE	Five Bar, Two Bar, and Diamond {Available height of raised pattern of 0.5mm - 1.5mm (0.059" on one side and a smooth surface on the other)}.

EXTRUSION PRODUCTS

EXTRUDED ROUND BAR

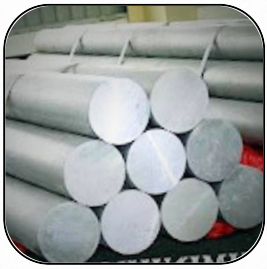
	SIZE		LENGTH	
ALLOY	MM	INCH	MM	INCH
2XXX	5.00 - 500.0	0.196 - 19.68	2000 - 6000	78.75 - 236.25
5XXX	5.00 - 533.4	0.196 - 21.00	2000 - 6000	78.75 - 236.25
6XXX	4.00 - 533.4	0.157 - 21.00	2000 - 6000	78.75 - 236.25
7XXX	5.00 - 508.0	0.196 - 20.00	2000 - 6000	78.75 - 236.25

EXTRUDED SQUARE BAR

	SIZE		LENGTH	
ALLOY	MM	INCH	MM	INCH
2XXX	5.00 - 406.4	0.196 - 16.00	2000 - 3657	78.75 - 144.0
5XXX	5.00 - 406.4	0.196 - 16.00	2000 - 3657	78.75 - 144.0
6XXX	5.00 - 406.4	0.196 - 16.00	2000 - 3657	78.75 - 144.0
7XXX	5.00 - 406.4	0.196 - 16.00	2000 - 3657	78.75 - 144.0

EXTRUDED HEXAGONAL BAR

	SIZE		LENGTH	
ALLOY	MM	INCH	MM	INCH
2XXX	5.00 - 60.0	0.196 - 2.36	3000 - 3657	1181 - 144.0
5XXX	5.00 - 60.0	0.196 - 2.36	3000 - 3657	1181 - 144.0
6XXX	5.00 - 60.0	0.196 - 2.36	3000 - 3657	1181 - 144.0
7XXX	5.00 - 60.0	0.196 - 2.36	3000 - 3657	1181 - 144.0



EXTRUSION PRODUCTS

EXTRUDED FLAT BAR

	SIZE (A)		SIZE (B)		LENGTH	
ALLOY	MM	INCH	MM	INCH	MM	INCH
2XXX	3.0 - 400.0	0.25 - 15.75	20.0 - 480.0	0.75 - 18.90	2000 - 6000	78.75 - 236.25
5XXX	3.0 - 400.0	0.25 - 15.75	20.0 - 480.0	0.75 - 18.90	2000 - 6000	78.75 - 236.25
6XXX	3.175 - 368.3	0.125 - 14.5	20.0 - 480.0	0.75 - 18.90	2000 - 6000	78.75 - 236.25

EXTRUDED ROUND PIPE

	OUTER DIAMETER (D)		WALL THICKNESS (S)		LENGTH	
ALLOY	MM	INCH	MM	INCH	MM	INCH
5XXX	5.6 - 300.0	0.22-11.811	0.50 - 50.0	0.019-1.96	2000 - 6000	78.75 - 236.25
6XXX	5.6 - 300.0	0.22-11.811	0.50 - 50.0	0.019-1.96	2000 - 6000	78.75 - 236.25

EXTRUDED SQUARE PIPE

	OUTER DIAMETER (D)		WALL THICKNESS (S)		LENGTH	
ALLOY	MM	INCH	MM	INCH	MM	INCH
5XXX	11.00-200.0	0.43 - 7.87	0.4 - 20.0	0.015-0.78	2000 - 6000	78.75 - 236.25
6XXX	11.00-200.0	0.43 - 7.87	0.4 - 20.0	0.015-0.78	2000 - 6000	78.75 - 236.25

Wrought Alloy Specifications

Near equivalent designations

INDIA		U.S.A (AA)	BRITAIN (B.S.)	CANADA	GERMANY (DIN)	RUSSIA	I.S.O	FRENCH ND
NEW I.S	OLD I.S							
19500	1B	1050	1B	1S	A-99.5	-	Al-99.5 -	1050A
19501	1E	1050 (E.C)	1E	C 1S	E-Al 99.5	-	-	-
24345	H15	2014	H15	B265	AL-CU-SI	AK	Al-Cu-4Mg Si	-
24534	H14	2017	H14	17S/16S	-	D1	Al-Cu-4Mg1	-
-	-	2024	-	24S	Al-Cu.Mg2	-	Al-Mn 1	2024
31000	N3	3003	N3	3S	Al-Mn	A-Mn	Al-Mg-2.5	3003
52000	N4	5052	N4	M57S	Al-Mg.2	A-Mg	Al-Mg-4	5051
53000	N5	5086	N5	54S	-	A-Mg-3	Al-Mg-4.5 Mn	-
54300	N8	5083	N8	D54S	Al-Mg-4.5 Mn	-	Al-Mg-1 Si.Cu	5083
65032	H20	6061	H20	65S	Al-Mg-Si Cu	-	Al-Mg Si Al-Si-1	-
63400		6063	H9	50S	Al-Mg-Si 0.5	-	Mg - -	-
64430	H30	6351	H30	B51S	Al-Mg-Si 1	AV		6081
64423	H11	6066	H11	C62S	-	-		-
62400	-	6005	-	C51S	-	-		-
63401	91E	6101	91E	D50S	E.Ai.Mg.Si 0.5	-	-	-
64401	-	6201	-	-	-	-	-	-
74530	-	7039	-	D74S	Al-zn-Mg 1	-	- Al-Zn 6	3004
-	-	7075	DTD5124	75S	Al-Zn-Mg Cu 1.5	-	Mg Cu	7075

Wrought Alloy >>>>

Chemical Composition Limits (per cent)

ALLOYS (ISS)		ALLOY (AA)	COPPER		MANGNESIUM		SILICON		IRON	MANGANESE		OTHERS	REMARKS
OLD	NEW	USA	MIN	MAX	MIN	MAX	MIN	MAX	MAX	MIN	MAX	MAX	
1C	19000	1100	-	0.10	-	-	-	0.5	0.6	-	0.1	0.1	Aluminium 99.0% Min
1B	19500	1050	-	0.05	-	-	-	0.25	0.4	-	0.05	0.1	Aluminium 99.5% Min
1E	19501	-	-	0.04	-	-	-	0.15	0.35	-	0.03		Aluminium 99.5% Min
	19600	1060	-	0.05	-	-	-	0.25	0.35	-	0.03	0.1	Aluminium 99.6% Min
H15	24345	2014	3.8	5.0	0.2	0.8	0.5	1.2	0.7	0.3	1.2	0.5	-
H14	24534	2017	3.5	4.7	0.4	1.2	0.2	0.7	0.7	0.4	1.2	0.5	
		2024	3.8	4.9	1.2	1.8	-	0.5	0.5	0.3	0.9	0.15	-
		3003	-	0.1	-	0.1	-	0.6	0.7	0.1	1.5	0.4	Zn 0.25
N3	91000	4032	0.8	1.3	0.8	1.3	-	13.5	0.6	-	0.2	0.15	-
N4	52000	5052	-	0.1	1.7	2.6	-	0.6	0.5	-	0.5	0.4	Ni 0.8-1.3
M5	53000	5086	-	0.1	2.8	4.0	-	0.6	0.5	-	0.5	0.4	Cr+Mn=0.5 Cr+Mn=0.5
N8	54300	5083	-	0.1	4.0	4.9	-	0.4	0.7	0.5	1.0	0.4	Chromium upto
H20	65032	-	0.15	0.4	0.7	1.2	0.4	0.8	0.7	0.2	0.8	0.4	0.25
		6061	0.15	0.4	0.8	1.2	0.4	0.8	0.7	-	0.15	0.4	**Cr = 0.15-0.35 Chromium 0.04
		6063	-	0.1	0.4	0.9	0.3	0.7	0.6	-	0.3	0.4	to 0.35
	63400	6066	0.7	1.2	0.8	1.4	0.9	1.8	0.7	0.6	1.1	0.4	-
H9		-	0.5	1.0	0.5	1.3	0.7	1.3	0.8	-	1.0	-	-
	64423	6101	-	0.05	0.4	0.9	0.3	0.7	0.5	-	0.03	0.1	-
9 1E	63410	6351	-	0.1	0.4	1.2	0.6	1.3	0.6	0.4	1.0	0.3	-
H30	64430	6082	-	0.1	0.6	1.2	0.7	1.3	0.5	0.4	1.0	0.3	Chromium upto 0.25
		7039	-	0.2	1.0	1.5	-	0.4	0.7	0.2	0.7	0.4	Zinc 4.0 - 5.0%
	74530	7075	1.2	2.0	2.1	2.9	-	0.5	0.5	-	0.3	0.2	Zinc (5.1-6.1)% & Chromium (0.18-0.28)%

Core area of supply

- Defense Industries
- Marine Industries
- Mould Industries
- Packaging Industries
- Ship Building Industries
- Aerospace Industries
- Heavy Machinery Industries
- Fabrication Industries
- Building and Construction Industries
- Engineering And Precision Machinery
- Power and Transmission Industries
- Automobile Industries
- Transport Industries

Technical Specifications

How Alloying Elements Affect Aluminium

SERIES	MAIN ALLOY	EFFECT ON ALLOYING ELEMENTS
1XXX	NON (99% ALUMINIUM)	Unalloyed aluminium is highly corrosion resistant, low strength workable, conductive and non heat-treatable
2XXX	COPPER BASED	Gives strength, hardness, machinability and heat-treatable
3XXX	MANGANESE BASED	Adds moderate strength, good workability and non heat- treatable
5XXX	MAGNESIUM BASED	Moderate to high strength, corrosion resistant and heat-treatable
6XXX	MAGNESIUM & SILICON BASED	Increase strength, Formability corrosion resistant and heat-treatable
7XXX	ZINC BASED	For greater Strength and Heat-treatable
8XXX	NON (97.3 - 98.9% ALUMINIUM)	Low weight, corrosion resistant and easy maintenance

NOTE: 1xxx,3xxx,5xxx and 6xxx alloy have good welding characteristics and corrosion resistance. 2xxx and 7xxx alloys have higher strength and better machinability, but lower weldability and corrosion resistant

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MSME CERTIFICATE:UDYAM-MH-19-0356170

Contact Us

PHONE
+91 98203 56595
+91 98200 44601

WEBSITE
www.skyaluminium.co.in
linkedin.com/in/vijay-sanghvi-vs2704

EMAIL ID
skyaluminium9@gmail.com
info@skyaluminium.co.in

BRANCHES
AHMEDABAD, DUBAI & SINGAPORE

ADDRESS
Shreepati Jewels, G Wing, Shop No. 8, Ground Floor, Opp. Morar Baug, C. P. Tank, Mumbai – 400004, India

WAREHOUSE
Gala no M1,M2, Maa Padmavati compound, opp. laxman katta, Dapode, Bhiwandi, Mumbai, Maharashtra 421302