JAGDAMBA STEEL

Jagdamba Steels Ltd. is the conception of that prominent business family which has been in steel production and distribution for a long time. Endowed with Pollution Control Devices and awarded with the recognition of ISO 9001: 2015, the company has been manufacturing environment - friendly and quality products.

This Veteran company has made history by manufacturing structural steel for the first time in Nepal. The initiation of this innovation has decreased the imports of structural steel from abroad. It has given a whole new dimension and speed to the infrastructural development of the nation.

In a short time since its establishment, this company has already earned name and fame through quality production and expresses its commitment towards continuous quality productions in the future too.

The company began in Simara in Bara District, Nepal in the year 1994 with a setup of cross-country mill producing CRT Bars with a capacity of 50 M/T per day. Till date over the period of 25 years, the company has grown over to become the only integrated and the largest steel company in Nepal with a daily production capacity of 3000 MT Rolling Mill TMT.

The company offers a wide range of steel products that includes Steel Rebars, Gabion Box, HR and CR Sheets, Torkari, Wire Rods, Structural's, Angle, Channel, Beam, Plain Round & Square Rods, Flat, GI Wire, Barbed Wire, Cut & Bend Products etc.

The products are manufactured at state-of-the-art modern plants with a prime focus on maintaining the highest standards in quality and make.

The products, Steel Rebars in grades Fe 500 and Fe 500 D are certified by Nepal Bureau of Standards and Metrology by NS :191 Certification and Bureau of Indian Standards (BIS) by ISI Certification IS:1786:2008 and in grade Fe 500 D by ISI Certification IS: 1786: 2008. GI Wires are certified by NS :161, NS :163 /2058 Certifications.

Our commitment to offering qualitative,, wider range of new products has strongly connected us to the lives of people and the nation. It inspires us to achieve excellence in every step we take and contribute to the growth of the steel industry and the nation.

With the same commitment and belief to offer quality and new advanced product to our customer we are pleased to introduce premium Aluminum – Zinc color coated sheets and coils - Jagdamba Supershine and normal Aluminum – Zinc coated sheets and coils, Jagdamba Galva +. It is Nepal's first fully automated new advanced Galvalume line technology product.

How We Fulfill Our Commitment

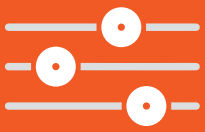
All of our products are manufactured at the state of the art automated plant with prime focus on maintaining highest standards in quality and make. We are the only in Nepal to follow a stringent 3 level Controlled Production Process to ensure that we only deliver World Class products.

Controlled Raw Material

The first stage in the Controlled level of production is the 'Control of Raw Materials'. To ensure high quality of the products, the raw materials are exclusively imported from world class steel companies like TATA Steel, JINDAL Steels, IISCO, and SAIL. Additionally, the raw materials undergo stringent quality tests at the state of the art computerized laboratory.

Controlled Production Process

All of the products are manufactured at state of the art automated plant. The one and only one of its kind in Nepal. The automation ensures uniformity in quality across every single product. The products in due course of production undergo stringent chemical and physical testing at the state of the art completely computerized labs. This ensures instant results and faster intervention and compliance of the quality as per the NS and BIS (IS) standards.



Controlled Parameters

Uniformity of physical and chemical parameters is highly important to ensure superior quality of the products. This is ensured through the application of automated systems in production, and both physical and chemical testing. The physical and chemical parameters are stringently controlled and comply with the minimum and maximum standards outlined by NS: 191, Nepal Bureau of Standards and Metrology Certification Standards and Indian BIS, IS: 1786: 2008 Certification Standards for the Steel Rebar.

CERTIFICATIONS

The Rebars, Jagdamba E in Fe 500 Grade and Rhino in Fe 500 D Grade are certified by Nepal Bureau of Standards and Metrology by **NS:191** Certification and Bureau of Indian Standards (BIS) by ISI Certification **IS:1786:2008**. GI Wires are certified by **NS:163/2058** Certifications.

The company is also **ISO 9001: 2015** [Quality Management System] by International Certification Services Pvt. Ltd. for Manufacturing and Supply of Billet and TMT Bars for both Fe 500 and Fe 500D Grades and **ISO 14001: 2015** [Environment Management System] by India Office: QRO Certifcation LLP for manufacturing, trading, and Exporting of Steels.

JAGDAMBA E

EARTHQUAKE RESISTANT REBAR

Jagdamba E is manufactured from prime billers in state of the art completely automated modern plant. The rebars are Thermo Mechanically Treated (TMT), to offer better strength in addition to better ductility to make it resistant to sesmic conditions. Additionally Jagdamba E comes with the expertise in product innovation from Jagdamba Steels Ltd., pioneer and No. 1 Steel producer in Nepal.

Jadgamba E is highly recommended for applications in earthquake resistant constructions, be it home, commercial building or infrastructure projects. Since Nepal is highly prone to seismic risks, application of Jagdamba E Steel Rebar can help minimize the risks like damage to the RCC structures and thereby help save lives in case of an Earthquake due to its resistant features.

CHEMICAL PROPERTIES

Chemistry %	NS/BIS Standards Fe 500 Grade	ASTM 60 American Standard	Jagdamba E, Fe 500 Grade
Carbon	0.30 Max	0.30 Max	0.17 – 0.25 Max
Sulphur	0.055 Max	0.045 Max	0.045 Max
Phosphorus	0.055 Max	0.035 Max	0.045 Max
S+P	0.105 Max	–	0.100 Max
Manganese	0.50	1.5 Max	0.60 Max

MECHANICAL (PHYSICAL) PROPERTIES

Property	Jagdamba E, Fe500 Grade	Fe500 Grade NS:191 Standard	Fe500 Grade IS1786:2008 Standard	Fe500 Grade British Standard	ASTM 60 American Standard	FE500 Grade Other Normal Re Bars
Yelid Stress (N/mm2)	≥500 ≤600	≥500	≥500	≥500	≥420	≥500
Tensile Strength (N/mm2)	≥575	≥545	≥545	≥545	≥620	≥545
Ratio (Re)	≥1.15 ≤1.40	≥1.08	≥1.08	≥1.08	≥1.25	≥1.08
Elongation	14.5%	12%	12%	12%	9% (min)	12%

Size (MM)	Weight (KG/M)	Weight		Quantity		% Variation (Weight/Mtr) as per NS 191 and IS 1786:2008 Standard	% Variation (Weight/Mtr) Jagdamba E Rebar
		Length 6M	Length 12M	Length 6M	Length 12M		
8	0.395	2.370	4.740	422	211	7	4
10	0.617	3.702	7.404	270	135	7	4
12	0.888	5.328	10.656	188	94	5	2
16	1.580	9.480	18.960	105	53	5	2
20	2.470	14.820	29.640	67	34	3	1
25	3.850	23.100	46.200	43	22	3	1
28	4.830	28.980	57.960	35	17	3	1
32	6.310	37.860	75.720	26	13	3	1
36	7.990	47.940	95.880	21	10	3	1
40	9.870	59.220	118.440	17	8	3	1

Features of Jagdamba E

Superior Fatigue Strength

ince the fatigue strength of reinforced concrete is highly dependent on the fatigue strength of the Rebar, Jagdamba E has superior fatigue resistance compared to normal Rebars. It is highly recommended for cyclic loads such as heating & cooling cycle, repetitive inward loads and multi loads.

Superior Raw Material

Jagdamba E Rebars are made from prime billets imported from leading companies like Jindal Steel, SAIL India and TATA Steel. High quality of raw materials also ensures that the Rebars are of high grade quality.

Better Ductility, Earthquake Resistant

Jagdamba E compared to other normal Steel Rebars available in Nepal comes with better ductility. Better ductility means better elongation in case of stress conditions, like in case of an earthquake, there by offering better stability to the structure and resistance to the damage.

Jagdamba E offers 20% more elongation compared to other normal Steel Rebars. The strength and ductility of Jagdamba E Rebars exceed the minimum level specified by NS, IS and other International Standards.

Superior RIB Pattern

Jagdamba E Rebars have a superior 60 degree and uniform rib pattern with greater depth and closer rib spacing which is assured through computer controlled CNC grade machine. Superior Rib Pattern ensures better bonding of Rebars with the concrete reinforcement.

Bendability

Due to its better ductility, elongation, tough outer surface and soft inner core Jagdamba E Rebar is easily bendable and without any risk of cracks or breakage.

Superior Weldability

Jagdamba E Rebars have a low carbon content which gives it superior weldability in case required. Also, no pre warming and post welding is required in case of manual arc welding. The Rebar can be butt welded and as well lap welded.

Quality Consistency & Assurance

The raw material billets and Rebars manufactured undergo stringent chemical and physical testing at the state of the art completely computerized labs. This ensures instant results and faster intervention in the quality control process and enhanced reliability.

THE NEW QUALITY BENCHMARK FOR STEEL REBAR

Rhino 500D is the new generation steel rebar with superior ductility and elongation. It is superior from other normal rebars in its method of manufacturing and combination of both mechanical and chemical properties. Rhino 500D comes with a combined restriction of impurities like Sulphur, Phosporous and Carbon to a maximum of 0.075% and 0.25% which ensures superior ductility, elongation and strength of the rebar. Rhino 500D marks the beginning of quality benchmark for steel rebars in Nepal !

High Ductile Rebar; First Time in Nepal and For Nepal Rhino 500D Rebar is the first and the only steel rebar in grade Fe 500D with superior ductility introduced in Nepal. It also marks the beginning of the New Industry Quality Benchmark for Steel Rebars in Nepal. With superior ductility and earthquake resistance propoerties, Rhino 500D compared to other normal grade rebars is highly suitable for applications in areas and region highly prone to seismic risks like Nepal. Rhino 500D is the only new generation rebar that truly fits in to the need of seismic resistant construction in Nepal.

Because Safety Matters! Rhino 500D Steel Rebar Matters ! As the largest integrated steel company in Nepal, Jagdamba Steel has carried forward the challenge and responsibility of staying the very best, and in keeping with the tradition of being a leader, we have innovated and moved a step ahead now with the introduction of Rhino 500D Steel Rebars, Redefining steel making, the company has developed Fe 500D grade Rhino Rebars through the 100% special quality raw material specially imported and manufactured through automated controlled production process, quality control management route. It is the first time in Nepal that Rebars have been produced through this process to meet the changing and more stringent needs of our country and seismic zone. With High Ductility and superior earthquake resistance properties, Rhino 500D Rebar assures highest standards in quality and safety of construction and lives.

Chemistry Controls Steel Quality...We Control the Chemistry of Steel ! The chemistry and thus the properties of the Steel Bars get compromised by the presence of the harmful impurities like Sulphur, Phosphorous and Carbon, in extreme weather conditions. Through the advanced steel rebar making process the impurities are restricted in Rhino 500D Rebars to a maximum value at; Sulphur and Phosporous 0.075%, Carbon at 0.25%. To control the chemistry we ensure the highest standard in quality of the raw materials, the billets, blooms are exclusively imported from world class steel companies like TATA Steel, JINDAL Steel and IISCO. For stronger assurance the raw materials undergo spectrometer quality testing at the state of the art automated lab before going in to production. The 3 level automated Controlled Production Process with controlled environment ensures the maintenance of the chemical and physical properties in compliance to NS:191 and BIS (IS:1786:2008) Certification Standards.

Chemical Properties

With the low levels of Sulphur and Phosphorous, the Carbon levels are maintained at much lower than the specifications which results in its excellent ductility, high strength, high bendability, better corrosion resistant and superior weldability and earthquake resistant.

Particulars	Fe 500 NS: 191 & IS 1786:2008	Fe 500D NS: 191 & IS 1786:2008	Rhino 500D (Values)*
Carbon %	0.30 Max	0.25 Max	0.25 Max
Sulphur (s) %	0.055 Max	0.040 Max	0.040 Max
Phosphorus (p) %	0.055 Max	0.040 Max	0.040 Max
S + P%	0.105 Max	0.075 Max	0.075 Max
Nitrogen (PPM)	120	120	120

as obtained in 90% of heats

Mechanical (Physical) Properties

The modern, automated and precision in quality control approach of manufacturing creates a combination of strength and ductility that far exceeds the minimum limit specified in the standards; NS:191 and BIS (IS:1786:2008). The typical values for Tensile Strength are Min 580 as against the Min 565 and elongation 18% as against 16% in the standard values. The superior values of strength and ductility is the guarantee of Rhino 500D Rebar for higher levels of safety for years.

Particulars	Fe 500 NS: 191 & IS 1786:2008	Fe 500D NS: 191 & IS 1786:2008	Rhino 500D (Values)*
Yield stress - YS (N/mm^2)	Min 500	Min 500	Min 500
Tensile Strength - UTS (N/mm^2)	Min 545	Min 565	Min 565
UTS/YS Ratio	1.08	1.10	1.10
% Elongation	Min 12 %	Min 16 %	Min 16 %

as obtained in 90% of heats

Applications

Rhino 500D Premium High Ductile Rebars are ideally suitable for application in areas prone to seismic risks and highly recommended for applications in construction of ranging from small individual houses to large infrastructure projects. It is ideally suitable for Nepal, considering the high seismic risk potential and the recent occurrence of the major earthquake. Ideal for:

- Small Individual Homes and Critical structures in seismic zones III, IV, V
- High –rise buildings
- Bridges • Flyovers • Dams
- Foundation of wind turbines
- Industrial Structures • Concrete Roads
- Underground Structures - Tunnels
- Thermal and hydro electric power stations
- General purpose Concrete re-enforcement structures

Availability

Rhino 500D Rebars are conveniently available in sizes 8 mm and up to 32 mm through exclusive retail points spread across Nepal. Also available in sizes 36 mm and 40 mm as per customary/project requirements.
Each Rebar is supplied in a fixed length of 12 Meters to ensure standard processing and thereby causing less wastage during fabrication.

5 Good Reasons why you should buy Rhino 500D Rebars

- Globally Accepted Quality and highly recommended worldwide for applications in regions prone to high seismic risk. Ideally suitable for Nepal.
- Clean Steel with very low levels of impurities like Sulphur and Phosporous.
- Guaranteed Ductility, First and only available in a Rebar in Nepal.
- Guaranteed Assurance in Quality.
- Fair Price and Easy Availability.

JAGDAMBA® PIPE

BLACK STEEL PIPES FOR ORIDINARY USES IN WATER, GAS, AIR & STEAM LINES

Type	Nominal Bore	Size	Wall Thickness	Outer Diameter	Weiht of Black Pipe Plain End
Class	mm	Inch	mm	mm	Kg/m
	NB	NB	t	OD	M
LIGHT 'A'	15	1/2	2.00	21.30	0.92
	20	3/4	2.30	26.90	1.41
	25	1	2.60	33.70	2.01
	32	1 1/4	2.60	42.40	2.58
	40	1 1/2	2.90	48.30	3.25
	50	2	2.90	60.30	4.11
	65	2 1/2	3.20	76.20	5.80
	80	3	3.20	88.90	6.81
	100	4	3.60	114.30	9.89
MEDIUM 'B'	15	1/2	2.60	21.30	1.22
	20	3/4		26.90	1.58
	25	1	3.20	33.70	2.44
	32	1 1/4		42.40	3.14
	40	1 1/2		48.30	3.61
	50	2	3.60	60.30	5.10
	65	2 1/2		76.20	6.51
	80	3	4.00	88.90	8.47
	100	4	4.50	114.30	12.10
HEAVY 'C'	15	1/2	3.20	21.30	1.45
	20	3/4		26.90	1.90
	25	1	4.00	33.70	2.97
	32	1 1/4		42.40	3.84
	40	1 1/2		48.30	4.43
	50	2	4.50	60.30	6.17
	65	2 1/2		76.20	7.90
	80	3	4.80	88.90	10.10
	100	4	5.40	114.30	14.40

SQUARE HOLLOW SECTIONS (SQUARE PIPES)

Size		Thickness	Weight	External Surface Area	Cross Sectional Area	Moment of Inertia		Radius of Gyration		Elastic Modulus	
Inch	mm	mm	Kg/m	m2/m	cm2	cm4	cm4	cm	cm	cm2	cm3
	H X B	t	M	SAe	A	Ixx	Iyy	rxx	ryy	Zxx	Zyy
3/4"	20 x 20	0.80	0.49	0.077	0.80	0.36	0.36	0.77	0.77	0.36	0.36
		1.00	0.61	0.076	0.76	0.46	0.46	0.78	0.78	0.36	0.36
		1.20	0.73	0.075	0.90	0.53	0.53	0.77	0.77	0.53	0.53
		1.50	0.91	0.074	1.11	0.64	0.64	0.76	0.76	0.64	0.64
		2.00	1.21	0.072	1.44	0.73	0.73	0.74	0.74	0.79	0.79
1"	25.4 x 25.4	0.80	0.63	0.098	0.92	0.90	0.90	0.99	0.99	0.71	0.71
		1.00	0.79	0.098	0.95	0.93	0.93	0.99	0.99	0.73	0.73
		1.20	0.85	0.097	1.08	1.00	1.00	0.96	0.96	0.78	0.78
		1.50	1.17	0.096	1.34	1.20	1.20	0.95	0.95	0.95	0.95
		2.00	1.48	0.094	1.70	1.45	1.45	0.92	0.92	1.14	1.14
		2.50	1.67	0.092	2.13	1.79	1.79	0.92	0.92	1.41	1.41
		3.10	1.98	0.089	2.52	1.98	1.98	0.89	0.89	1.56	1.56
1½"	38.1 x 38.1	1.20	1.41	0.148	1.73	3.90	3.90	1.50	1.50	2.04	2.04
		1.50	1.83	0.146	2.11	4.55	4.55	1.47	1.47	2.39	2.39
		2.00	2.21	0.144	2.72	5.68	5.68	1.44	1.44	2.98	2.98
		2.50	2.82	0.142	3.34	5.98	5.98	1.34	1.34	3.14	3.14
		2.80	3.09	0.141	3.75	7.61	7.61	1.42	1.42	4.00	4.00
		3.00	3.28	0.140	3.98	7.97	7.97	1.41	1.41	4.18	4.18
		3.50	3.55	0.138	4.53	8.72	8.72	1.39	1.39	4.58	4.58
		4.00	3.96	0.136	5.04	9.37	9.37	1.36	1.36	4.92	4.92
2"	50.8 x 50.8	1.50	2.33	0.197	2.90	11.64	11.64	2.00	2.00	4.58	4.58
		1.80	2.83	0.196	3.44	13.61	13.61	1.99	1.99	5.36	5.36
		2.00	3.08	0.195	3.73	14.43	14.43	1.97	1.97	5.68	5.68
		2.50	3.83	0.193	4.60	17.41	17.41	1.94	1.94	6.85	6.85
		3.00	4.50	0.191	5.67	20.95	20.95	1.91	1.91	8.25	8.25
3"	75 x 75	3.50	4.95	0.189	6.31	22.93	22.93	1.91	1.91	9.03	9.03
		4.00	5.55	0.187	7.08	25.07	25.07	1.88	1.88	9.87	9.87
		1.80	4.07	0.293	5.19	45.95	45.95	2.98	2.98	12.26	12.26
		2.00	4.50	0.292	5.74	50.58	50.58	2.97	2.97	13.47	13.47
		2.80	6.19	0.289	7.89	67.63	67.63	2.93	2.93	18.03	18.03
		3.10	6.80	0.288	8.67	73.62	73.62	2.91	2.91	19.63	19.63
		4.00	8.59	0.284	10.95	90.25	90.25	2.87	2.87	24.07	24.07
4"	100 x 100	2.00	6.07	0.932	7.74	123.03	123.03	3.99	3.99	24.60	24.60
		3.00	8.96	0.388	11.41	177.09	177.09	3.94	3.94	35.42	35.42
		4.00	11.73	0.384	14.95	226.44	226.44	3.89	3.89	45.29	45.29
		5.00	14.41	0.380	18.36	271.27	271.27	3.84	3.84	54.25	54.25
		6.00	16.98	0.376	21.63	311.75	311.75	3.80	3.80	62.35	62.35

STRUCTURAL PIPES

Nominal Bore	Outside Diameter		Class	Thickness	Weight	Cross Sectional Area	Surface Area	Moment of Inertia	Section Modulus	Radius of Gyration
mm	inch	mm		mm	Kg/m	cm2	m2/m	cm4	cm3	cm
NB	OD			t	M	A	SAe	Ixx / Iyy	Zxx /Zyy	r
15	1/2	21.30	L	2.00	0.96	1.21	0.067	0.57	0.54	0.69
			M	2.60	1.22	1.55		0.69	0.65	0.67
			H	3.20	1.45	1.84		0.77	0.73	0.65
20	3/4	26.90	L	2.30	1.42	1.81	0.085	1.38	1.02	0.87
			M	2.60	1.58	2.02		1.50	1.12	0.86
			H	3.20	1.90	2.41		1.72	1.28	0.84
25	1	33.70	L	2.60	2.04	2.58	0.106	3.14	1.86	1.10
			M	3.20	2.46	3.11		3.65	2.16	1.08
			H	4.00	2.99	3.77		4.22	2.51	1.06
32	11/4	42.40	L	2.60	2.61	3.31	0.133	6.57	3.10	1.41
			M	3.20	3.15	4.00		7.71	3.64	1.39
			H	4.00	3.86	4.88		9.07	4.28	1.36
40	11/2	48.30	L	2.90	3.27	4.14	0.157	10.70	4.43	1.61
			M	3.20	3.61	4.60		11.73	4.86	1.60
			H	4.00	4.43	5.63		13.90	5.75	1.57
50	2	60.30	L1	2.90	4.14	5.23	0.189	21.59	7.16	2.03
			L2	3.20	4.57	5.82		23.77	7.89	2.02
			M	3.60	5.10	6.50		26.17	8.68	2.01
			H	4.50	6.17	7.89		30.90	1.20	1.98
65	2 1/2	76.10	L	3.20	5.84	7.44	0.239	49.44	13.00	2.58
			M	3.60	6.53	8.31		54.65	14.40	2.56
			H	4.50	7.90	10.10		65.12	17.10	2.54
80	3	88.90	L	3.20	6.86	8.74	0.279	80.31	18.07	3.03
			M	4.00	8.48	10.80		97.38	21.91	3.00
			H	4.80	10.01	12.80		113.46	25.53	2.98
100	4	114.30	L	3.60	9.97	12.70	0.359	194.39	34.01	3.91
			M	4.50	12.10	15.50		234.32	41.00	3.89
			H	5.40	14.50	18.50		274.54	40.04	3.86

RECTANGULAR HOLLOW SECTIONS

Size	Thickness	Weight	External Surface Area	Section Area
mm	mm	Kg/m	m2/m	cm2
HxB	t	M	SAe	A
38.1 x 25.4	1.50	1.35	0.121	1.720
	2.00	1.73	0.119	2.210
	2.80	2.40	0.116	3.040
50.8 x 25.4	1.50	1.68	0.146	2.140
	2.00	2.13	0.144	2.720
	2.50	2.62	0.142	3.330
	3.00	3.36	0.140	4.140
75 x 45	1.80	3.22	0.233	4.107
	2.00	3.56	0.232	4.537
	2.50	4.39	0.230	5.589
	2.80	4.87	0.229	6.205
	3.10	0.34	0.228	6.808
	3.50	5.96	0.226	7.595
80 x 4	1.80	3.22	0.233	4.107
	2.00	3.56	0.232	4.537
	2.50	4.39	0.230	5.589
	2.80	4.87	0.229	6.205
	3.10	5.34	0.228	6.808
	3.50	5.96	0.226	7.595
	4.00	6.71	0.224	8.548
96 x 48	2.00	4.31	0.281	5.497
	2.50	5.32	0.279	6.789
	2.80	5.92	0.278	7.549
	3.10	6.51	0.277	8.296
	4.00	8.21	0.274	10.468

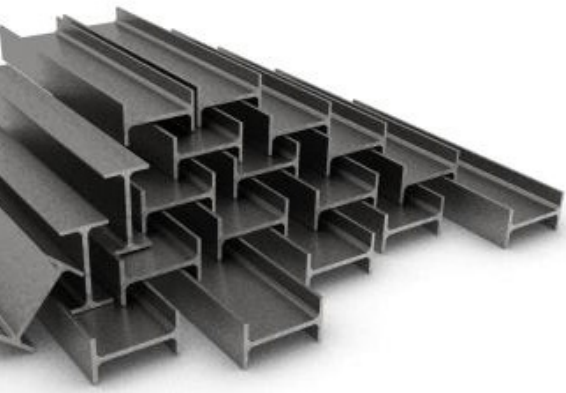
JAGDAMBA®
STRUCTURAL

MS JOIST

Section and Size(mm)	Standard Weight (KG/ mtr) Tolerance ± 2.5%	Standard Web and Tolerance	Width of Flange (mm) Tolerance ± 2.5%	Thickness of Flange (mm)
MC – 75 x 40	7.140	75 ± 2.5 mm	40	7.5
MC – 100 x 50	9.560	100 ± 2.5 mm	50	7.7
MC – 125 x 65	13.100	125 ± 2.5 mm	65	8.2
MC – 150 x 75	16.800	150 ± 2.5 mm	75	9.0
MC – 200 x 75	22.300	200 ± 2.5 mm	75	11.4
MC – 250 x 82	34.200	250 ± 2.5 mm	82	14.1
MC – 300 x 90	36.300	100 ± 2.5 mm	90	13.6

H.BEAMS

Section and Size(mm)	Standard Weight (KG/ mtr) Tolerance ± 2.5%	Standard Web and Tolerance	Width of Flange (mm) Tolerance ± 2.5%	Thickness of Flange (mm)
HB 116	23.000	116	100	10.0
HB 150	30.600	150	150	9.0
HB 150	34.600	156	150	9.0



RS JOISTS (BEAMS)

Size (mm)	Weight (Kg/ mm)
100 x 50	8.34
125 x 70	13.20
150 x 75	15.00
200 x 100	25.40
225 x 110	31.30
250 x 125	37.30
300 x 140	46.10
350 x 140	52.40
400 x 140	61.60
450 x 150	72.40
500 x 180	86.90
600 x 210	123.00

MS ANGLE

Section and Size(mm)	Standard Weight (KG/ mtr) Tolerance ± 2.5%	Leg Length A B Tolerance ± 2.5%	Thickness of Flange (mm)
25 x 25 x 5	1.800	25 x 25	5
30 x 30 x 3	1.400	30 x 30	3
30 x 30 x 5	2.200	30 x 30	5
35 x 35 x 5	2.600	35 x 35	5
35 x 35 x 6	3.000	35 x 35	6
40 x 40 x 3	1.800	40 x 40	3
40 x 40 x 5	3.000	40 x 40	5
40 x 40 x 6	3.500	45 x 45	6
45 x 45 x 6	3.400	45 x 45	5
45 x 45 x 6	4.000	45 x 45	6
50 x 50 x 6	4.500	50 x 50	6
65 x 65 x 5	4.900	65 x 65	5
65 x 65 x 6	5.800	65 x 65	6
65 x 65 x 8	7.700	65 x 65	8
75 x 75 x 5	5.700	75 x 75	5
75 x 75 x 6	6.800	75 x 75	8
75 x 75 x 8	8.900	75 x 75	10
75 x 75 x 10	11.000	75 x 75	6
80 x 80 x 6	9.600	80 x 80	8
80 x 80 x 10	11.800	80 x 80	10
90 x 90 x 6	8.200	90 x 90	6
90 x 90 x 8	10.800	90 x 90	6
90 x 90 x 10	13.400	90 x 90	10
100 x 100 x 6	9.200	100 x 100	6
100 x 100 x 7	10.700	100 x 100	7
100 x 100 x 8	12.100	100 x 100	8
100 x 100 x 10	14.900	100 x 100	10
100 x 100 x 12	17.700	100 x 100	12
110 x 110 x 8	13.400	110 x 110	8
110 x 110 x 10	16.400	110 x 110	10
110 x 110 x 12	19.700	110 x 110	12
130 x 130 x 10	19.700	130 x 130	10
150 x 150 x 12	27.200	150 x 150	12
150 x 150 x 16	33.600	150 x 150	16
150 x 150 x 20	44.100	150 x 150	20

MS EQUAL ANGLES

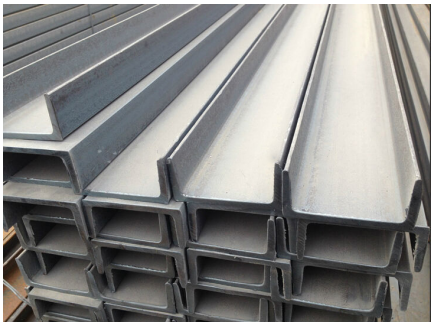
Size (mm)	Thickness										
	3	4	5	6	8	10	12	16	18	20	25
20 x 20	0.9	1.1									
25 x 25	1.1	1.4		2.2							
30 x 30	1.4	1.8	1.8	2.8							
35 x 35	1.6	2.1	2.2	3.0							
40 x 40	1.8	2.4	2.6	3.5							
45 x 45	2.1	2.7	3.0	4.0							
50 x 50	2.3	3.0	3.4	4.5							
65 x 65			3.8	5.8	7.7	9.4					
75 x 75			4.9	6.8	8.9	11.0					
80 x 80			5.7	7.3	9.6	11.8	14.0				
90 x 90				8.2	10.8	13.4	15.8				
100 x 100				9.2	12.1	14.9	17.7				
110 x 110					13.4	16.5	19.6	24.2			
130 x 130					15.9	19.7	23.4	28.9			
150 x 150						22.8	27.2	35.8	39.9	44.1	
200 x 200							36.6	48.5	54.0	60.0	73.6

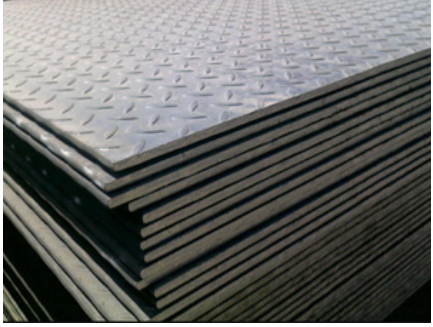
MS Channel

Section and Size(mm)	Standard Weight (KG/ mtr) Tolerance ± 2.5%	Standard Web and Tolerance	Width of Flange (mm) Tolerance ± 2.5%	Thickness of Flange (mm)
MC – 75 x 40	7.140	75 ± 2.5 mm	40	7.5
MC – 100 x 50	9.560	100 ± 2.5 mm	50	7.7
MC – 125 x 65	13.100	125 ± 2.5 mm	65	8.2
MC – 150 x 75	16.800	150 ± 2.5 mm	75	9.0
MC – 200 x 75	22.300	200 ± 2.5 mm	75	11.4
MC – 250 x 82	34.200	250 ± 2.5 mm	82	14.1
MC – 300 x 90	36.300	100 ± 2.5 mm	90	13.6

MS CHANNELS

Size (mm)	Weight (Kg/ mm)
75 x 40	7.14
100 x 50	9.56
125 x 65	13.10
150 x 75	16.80
175 x 75	19.60
200 x 75	22.30
200 x 75	24.20
250 x 82	34.20
300 x 90	36.30
400 x 100	50.10





MS CHEQUERED PLATES

Size (mm)	Weight (Kg/mm)
5	43.5
6	52.3
7	61.1
10	84.6
12	100.6

MS FLATS

Section & Size(mm) Tolerance ± 2.5%	Width of Flange (mm) Tolerance ± 2.5%
40 x 5	1.6
40 x 6	1.9
40 x 10	3.1
40 x 12	3.8
50 x 5	2.0
50 x 6	2.4
50 x 10	3.9
50 x 12	4.7
65 x 6	3.1
65 x 10	5.1
65 x 12	6.1

MS FLATS

weight (Kg/m)

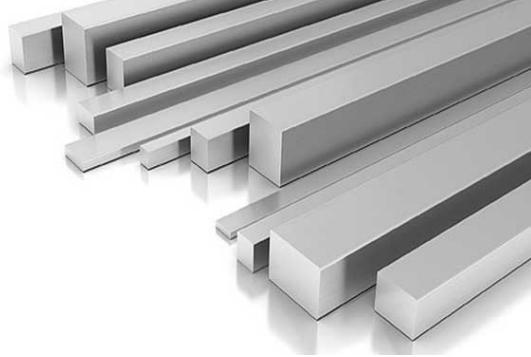
Size (mm)	Thickness										
	3	4	5	6	8	10	12	16	18	20	25
16		0.6	0.8	1.0	1.3	1.5	5.0	2.3	2.5	2.8	3.1
20	0.47	0.8	0.9	1.3	1.6	1.9	2.5	2.8	3.1	3.5	3.9
26	0.60	1.0	1.0	1.6	2.0	2.4	3.1	3.5	3.9	4.3	4.9
32	0.80	1.3	1.5	2.0	2.4	3.0	4.0	4.5	5.0	5.5	6.3
35			1.6		2.8						
40	0.90	1.3	1.9	2.5	3.1	3.8	5.0	5.7	6.3	6.9	7.8
45			2.1		3.5	4.2					
50	1.20	2.0	2.4	3.1	3.9	4.7	6.3	7.1	7.8	8.6	9.8
63		2.5	3.0	4.0	4.9	5.9	7.9	8.9	9.9	10.9	12.4
65				4.1	5.1	6.1			10.2		
75			3.5	4.7	5.9	7.1	9.4	10.6	11.8	12.9	14.7
80		3.1	3.8	5.0	6.3	7.5	10.0	11.3	12.6	13.8	15.7
100		3.9	4.7	6.3	7.8	9.4	12.6	14.0	15.7	17.5	19.6
125		4.9	5.9	7.8	9.8	11.8	15.7	17.7	19.6	21.6	25.5
150					11.8	14.1		18.8	23.6		29.4
160		6.3	7.5	10.0	12.6	15.1	20.1	22.6	25.1	27.6	31.4
180						17.0	22.6	25.4	28.3		
200		7.8	9.4	12.6	15.7	18.8	25.1	28.3	31.4	34.5	39.2
250		9.8	11.3	15.7	19.6	23.6	31.4	35.3	39.2	43.2	49.1

MS PLATES

Thickness (mm)	Weight (Kg/ mm)
5	39.25
6	47.10
8	62.80
10	78.50
12	94.20
14	109.90
16	125.60
18	141.30
20	157.00
22	172.70
25	196.25
28	219.80
32	251.20
36	282.60
40	314.00
45	353.20
50	392.50
56	439.60
63	494.50
71	557.40
80	628.00

MS ROUNDS

Section and Size(mm) Tolerance ± 2.5%	Width of Flange (mm) Tolerance ± 2.5%
16	1.580
20	2.470
25	3.860
32	6.310
40	9.860
50	15.410
56	19.340



MS SQUARES, ROUND, TOR/ TMT

Size (mm)	Weight (Kg/ m)			Size (mm)	Weight (Kg/ m)	
	Squares	Rounds	TMT		Squares	Rounds
6	0.28	0.22	0.23	45	15.9	12.29
8	0.50	0.39	0.39	50	19.6	15.40
10	0.78	0.62	0.63	56	24.6	19.35
12	1.13	0.89	0.63	63	31.1	24.57
16	2.01	1.58	1.60	80	50.24	39.46
18	2.54	2.00	2.00	90	63.58	49.94
20	3.14	2.47	2.50	100	78.50	61.66
22	3.80	3.00	3.00	110	94.91	74.60
25	4.91	3.80	3.85	125	122.60	96.34
28	6.20	4.80	4.83	140	153.86	120.84
32	8.10	6.30	6.31	160	200.96	157.84
36	10.2	8.00	8.00	180	254.34	19.76
40	12.6	9.90	9.90	200	324.00	244.62

JAGDAMBA®
WIRE

GALVANIZED WIRES

While manufacturing G.I. wires, annealing, picling procedures are mostly carried out. Following the high-tech methodology, G.I. wires are produced through H.B. wires, Galvanizing methodsa re done with 99.9% pure electronic zinc. Prior to glavanizing, the activities like pickles and rinse are carried out throughly and flex coating is applied in the wires which helps zinc to stick in the base metal effectively. With the quality recognition of IS:4826/1979 and NS 163, 165/645, Jagdamba has been manufacturing G.I. wires.

Following tests are carried out in wires:

- Measurement of Zinc coat
- Equality of Zinc coat
- Stickiness of Zinc coat
- Tensile strength
- Wrapping test

Quality Assurance

To ensure our valued customers continously with the quality through the strategic utilization of innovative technology, skilled manpower and available sources is the major aim of our quality assurance. We are committed in bringing the changes in line with the changing needs and aspirations of our valued customers along with the betterment of cooperation among all the staffs associated with the company.

Hard Black Wires (H.B) as per NS 169-2045

TOLERANCE UNITS

Size	Tolerance (mm)
Up to 0.25	0.010
Over0.25 to 0.50	0.015
Over 0.50 to 1.0	0.020
Over1.0 to 1.5	0.030
Over 1.5 to 2.5	0.040
Over 2.5 to 5.0	0.050
Over 5.0	0.060

TOLERANCE STRENGTH

Condition	Tensile Strength N/
Annealed (max.)	270 – 500
Soft Drawn	300 – 500
¼ Hard	450 – 500
½ Hard	600 – 850
Hard	700 – 950

Tensile Strength (Low Carbon Steel Wires)

Wire Diameter (mm)	Tensile Strength (Kg/mm²)			
	Steel Wire	Annealed Wire	Galvanized Wire	Steel Wire for Nail Making
1.60 – 1.80	60 – 120	30 - 50	30 -55	75 – 130
1.80 – 2.00	60 – 120	30 – 50	30 -55	75 – 130
2.00 – 2.30	60 – 120	30 – 50	30 -55	75 – 130
2.30 – 2.60	55 – 110	30 – 50	30 -55	75 -115
2.60 – 2.90	55 – 110	30 - 50	30 -55	75 -115
2.90 – 3.20	55 – 110	30 – 50	30 -55	75 -115
3.20 – 3.50	45 – 95	30 – 50	30 -55	60 – 105
3.50 – 4.00	45 – 95	30 – 50	30 -55	60 – 105
4.00 – 4.50	45 – 95	30 – 50	30 -55	60 – 105
4.50 – 5.00	40 – 85	30 – 50	30 -55	55 - 95
5.00 – 5.50	40 – 85	30 – 50	30 -55	55 - 95

Minimum weight of Zinc coating per unit surface of uncoated wire

as per NS 163/ 169 – 2045

Gauge	Diameter (mm)	Light Coating (gms/)		Medium Coating (gms/)	Hard Coating (gms/)	
		Soft	Hard		Soft	Hard
SWG 6	4.877	130	100	155	290	270
SWG 7	4.470	130	100	155	290	270
SWG 8	4.064	130	100	155	290	270
SWG 9	3.658	120	90	135	280	260
SWG 10	3.251	110	80	135	270	250
SWG 11	2.946	100	70	120	240	250
SWG 12	2.642	90	70	120	260	230
SWG 13	2.337	80	70	110	260	230
SWG 14	2.032	80	60	105	240	210
SWG 15	2.032	80	60	105	240	210
SWG 16	2.032	80	60	105	240	210

Tolerance on wire diameter of NS 163, 169/ 045 light, medium, and heavy coated galvanized low carbon wire are + 2.5%

UNIFORMITY TEST (for low carbon G.I. Wire)

as per NS 163/ 169 – 2045

Gauge	Light Coated G.I.Wires Uniformity Test No. of dips				Medium Coated G.I. Wires Uniformity Test No. of dips		Heavy Coated G.I. Wires Uniformity Test No. of dips			
	Soft		Hard				Soft		Hard	
	1 min	½ min	1 min	½ min	1 min	½ min	1 min	½ min	1 min	½ min
6	2	-	1	1	2	-	3	1	3	1
7	2	-	1	1	2	-	3	1	3	1
8	2	-	1	1	2	-	3	1	3	1
9	1	1	1	1	1	1	3	1	3	-
10	1	1	1	-	1	1	3	1	3	-
11	1	1	1	-	1	1	3	1	3	-
12	1	1	1	-	1	1	3	-	2	-
13	1	1	1	-	1	1	3	-	2	1
14	1	-	-	1	1	-	3	-	2	-

TOLERANCE

Tolerances on wire diameters of Heavy coating galvanized low carbon steel wire

Wire Diameter	Tolerances
0.035 and under	0.01
Over 0.035 to 0.55 Incl.	0.02
Over 0.55 to 0.80 Incl.	0.03
Over 0.80 to 1.60 Incl.	0.04
Over 1.60 to 2.00 Incl.	0.06
Over 2.00 to 3.20 Incl.	0.08
Over 3.20 to 5.00 Incl.	0.10
Over 5.00 to 6.00 Incl.	0.13
Over 6.00 to 8.00 Incl.	0.15
Over 8.00	0.16

Adhesion Test

Specified in IS: 4826/ 1979 & NS 163, 169/045

Diameter of Wire	Minimum complete turns of Wrap	Ratio between Mandrel dia and of Wire
Up to 3.55 mm	10	4
3.55 to 7.10 mm	10	6

TORSION

Diameter of Wire	Length between Grips Warps	Turn
Up to 3.55 mm	10 dia of wire	60
3.55 to 7.10	10 dia of wire	30

SPECIFICATION OF BARBED WIRE:

Generally barbed wires manufactured by Jagdamba Steels conforms to the specification JIS G- 3533. However, barbed wires of other specifications can also be produced as per buyer's requirement.

Available Sizes:

Standard Wire	Barb Wire
12 SWG	12 SWG
12 SWG	14 SWG
14 SWG	14 SWG

Tensile Strength of standard wire shall be in the range of 30 to 55 kgf/mm² (290 to 540 N/m²).

Mass of Zinc Coating (gm/)

The mass of zinc coating on low carbon steel wire used to barbs and stranded wire shall conform to the following table.

Diameter of Wire	Class 1	Class 2	Class 3	Class 4
2.00 or over to and Excl. 2.30	23 min.	33 min.	85 min.	147 min.
2.30or over to and Excl. 2.30	23 min.	38 min.	114 min.	175 min.

Dimension and Tolerances

Pitches and No. of lays in one pitch. The mass of zinc coating on low carbon steel wire used for barbs and stranded wire shall conform to the following table.

Pitch (mm)	Tolerances on pitch (mm)	Number of lays in one (pitch)
75	± 13	2 to 7
100		
125		

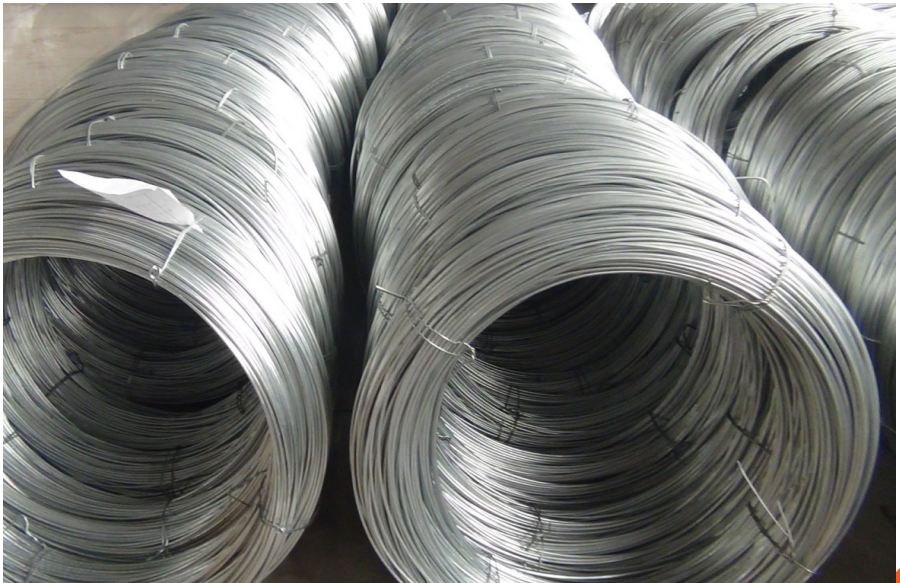
Edge Angle: - The edge angle of the barb shall be in the range of 300 to 450.

Tolerances of Wire Diameter

The tolerances on wire diameter of zinc coated low carbon steel wire shall be as shown below :

Diameter of wire (mm)	Class 1, 2, 3	Class 4
Over 2.00 up to and Incl. 2.90	± 0.06	± 0.08

customers along with the betterment of cooperation among all the staffs associated with the company.



JAGDAMBA® SUPER SHINE

PREMIUM Al-Zn SHEET & COILS

Jagdamba Super Shine is a premium Aluminium-zinc color coated Sheet that is elegant and beautiful with same features as of Galva+ coated with superior paint technology that provides additional protection for longer life.

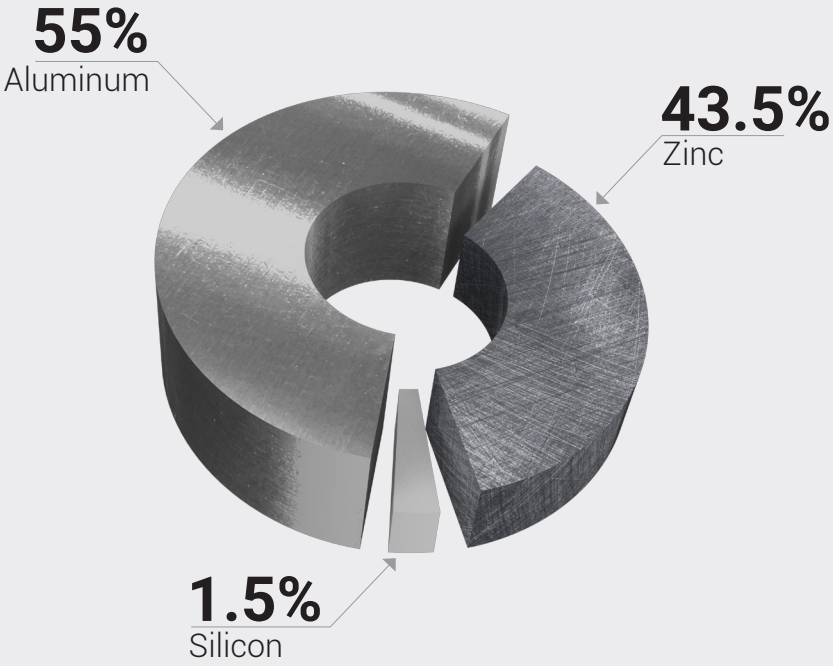
1	2	3	4	5	6	7
New Advanced Galvalume Line Technology	Durable and Corrosion Resistance	All Weather Protection	Strength	Superior Paint Technology	Stringent Quality Test	Guard Film Coating

JAGDAMBA® GALVA+

PREMIUM Al-Zn SHEET & COILS

JAGDAMBA GALVA+

Jagdamba Galva+, Al - Zinc Coated Sheet also known as **GALVALUME**, is a steel sheet with a coating consisting of 55% aluminum, 43.5% zinc and 1.5% silicon over the base metal to protect it from the elements. This coating has superior corrosion resistance which gives it two to four times the life span over traditional galvanized metal. Jagdamba Galva+ is a new benchmark/quality standard in the advanced roofing industry in Nepal created to protect metal (primarily steel) from oxidation using Aluminum-zinc Coating. Therefore, aluminum is what differentiates Jagdamba Galva+ from normal Galvanized steel available in Nepalese market.



Benefits of

1. Nepal's First Fully automated New Advance Galvalume Line Technology with Electrolytic Cleaning, NOF (Non-Ox) Furnace, in-line tension levelling equipment and skin pass mill Process

Jagdamba Steels is the first new Aluminum-zinc coated product manufacturer of Nepal's first fully automated advance Galvalum line manufacturing process. The manufacturing of Jagdamba Galva+ Sheets includes latest global technology and the best machinery process. Electrolytic Cleaning, NOF (Non-Ox) Furnace, in-line tension levelling equipment and skin pass mill to name a few to ensure the highest level of safety, long life and beauty for your home.

Jagdamba Galva+ PROCESS Galvalume Line

The line offered is supplied with an ECL (Electrolytic Cleaning) section which uses alkali solution to clean the strips or any oil residue coming from the cold rolling mill.

The next section is NOF (Non-Ox) Furnace to produce the complete range of soft, semi-hard and full hard coated steel. The furnaces have a direct fired section using LPG burners to bring the strip temperature up to 800 degrees Celsius. The furnace also has an electrically heated holding section required to anneal the strip. The strip passes into the hot-dip induction pot which contains the molten aluminum and zinc alloy.

The aluminum and zinc pre-alloy is made in the pre melt induction pot and is poured through a launder into the main induction pot where the strip is coated. The coating weight is controlled by the accurate air knife system.

The line is equipped with in-line tension levelling equipment and skin pass mill to maintain absolutely flat strip surface and uniform finish before color coat operation.

The line also features chemical coater to coat the strip with organic coating to prevent the strip against white rust.

2 Durable and Corrosion Resistance

The primary benefit of Jagdamba Galva+ is corrosion resistance Jagdamba Galva+ comes with Anti – Corrosion Technology which is the results of ACRYLIC COATING done in Galva+ that prevents early corrosion of steel and substantially increases the life of the roof. The addition of aluminum increases the coating's corrosion resistance by a factor of two. If the steel panel is in an area where heavy salt-spray and high humidity predominate, Galva+ provides the most robust protection.

3. Aluminium-Zinc Coating

Aluminum-zinc coated Jagdamba Galva+ products offer superior corrosion resistance compared to other coating technologies making your roof last longer even in the harshest of weather conditions.

4. All Weather Protection

Jagdamba Galva+ withstands all kinds of weather be it heavy rains, humid coastal areas, cold snow areas or heat. Jagdamba Galva+ Steel coated with Aluminum-zinc also has superior reflectance in the sunlight. High reflectance reduces heat absorption through the roof panels. With the addition of re-emissive pigments, you will have both energy efficiency and protection from corrosion. With appropriate insulation under the roof, you will reduce cooling costs in the summer and heating costs in the winter. Galva+ is also **RESISTANT TO HIGH TEMPERATURES**.

JAGDAMBA SUPERSHINE

5. STRENGTH

Jagdamba Galva+ does not add significant weight to the steel, retaining the metal's high STRENGTH-to-weight ratio. The coating is every bit as strong and durable as the steel itself. The coating is flexible and will not crack or flake as the sheet metal is bent or formed.

6. Superior Paint Technology

Jagdamba Super Shine, premium color coated sheets, uses a superior paint technology known as REVERSE & FORWARD COATING METHOD and GFG Coates in Jagdamba Galva+ that provides additional protection for longer life. The superior paint technology resists cracking and peeling even of paint. Ordinary paint starts fading very fast and in 1-2 years the roof starts looking dull and old. It ensures that the roof looks new for many years providing additional beauty to your house.

7. Stringent Quality Test

Jagdamba Galva+ and Jagdamba Super Shine goes through more than 10+ and 15+ respective stringent quality tests. PHYSICAL and CHEMICAL test, 180° DEGREE BENDING test, Adhesion test, ANTI FINGER COATING test and ONLINE QUALITY INSPECTIONS to name a few to ensure best quality product is supplied to our valued customers.

9. Eco Friendly Material and Manufacturing Process

Jagdamba Galva+, Premium Aluminum-zinc Sheet and Coils, is made out of 55% aluminum, 43.5% zinc and1.5% silicon by weight. This means that the composition creates a durable and reusable rooftop providing you with robust protection from humidity or any kind of harsh weather and corrosion. This product passes through salt spray test and archive more than 800 hours, however in case of Galvanizing it is only 72 hours.

9. Guard Film Coated

The Jagdamba Supershine features 8 Layers of protection. The top and bottom are layered with 4 layers each to ensure longevity. The layers have been carefully crafted to ensure the best quality available in Nepal. A Protective Guard Film is applied to Jagdamba Supershine's top coat layer to prevent possible damage during handling and storage.

10. Proper Corrugation Overlapping

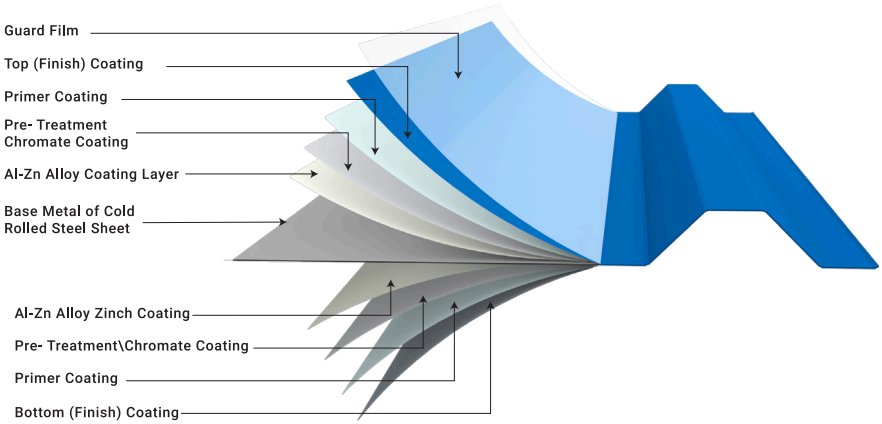
The Jagdamba Galva+ and Jagdamba Supershine's proper groove finishing makes it easier during installation and prevents the roof from leaking.

11. Proper Packet Packaging

To ensure that our product reaches our consumers in a well-packed condition from our retail outlets, Jagdamba Galva+ and Jagdamba Supershine are well-packaged so as not to suffer any physical damage during delivery.

Material Structure

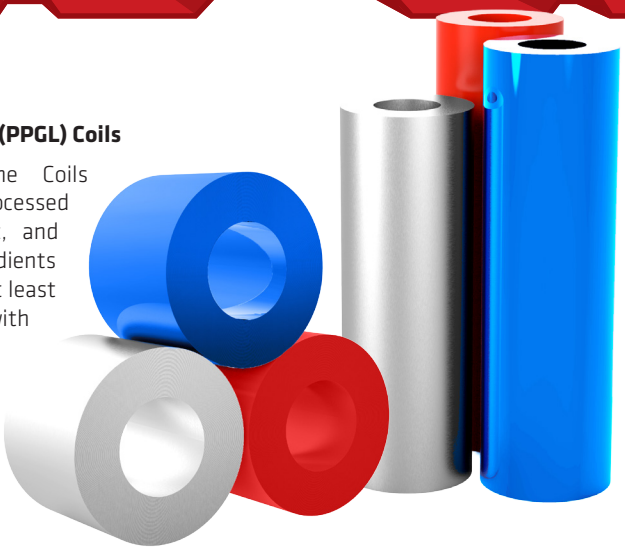
Our Color Coated Jagdamba Super Shine Corrugated Sheets are manufactured using Prepainted Aluminum-zinc color coated sheets as the raw material, combined with a high quality, suitable and economical paint. With imported production lines, we are able to produce adequate amount of steel corrugated sheets as aesthetics, good quality and economical light weight, high strength product to satisfy large scale market demands as well as to model your dream structure. Our Trapezoidal Profile is excellent for Roofing and Cladding.



Different Designs

A) Normal Coil & Sheet

Jagdamba Pre-Painted Galvalume (PPGL) Coils



Jagdamba Pre-Painted Galvalume Coils also know as PPGL- Coils are processed by coating with aluminium, zinc, and silicon. More precisely, the ingredients of the galvalume steel Coils have at least 55% aluminium and 43.5% zinc, with the rest being silicon and other elements. PPGL Coils are more durable and Corrosion resistant in comparison to PPGI (Pre Painted Galvanized) Steels Coils.

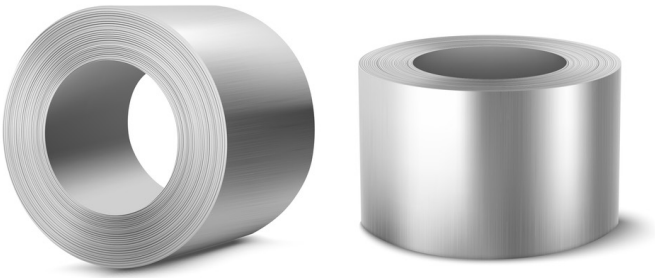
A number of kitchen appliances such as Ovens, Ranges, Sinks, Kitchen Units, Shelves, Toilet Strands, and Cooker Wrapper also need PPGL Coils for manufacture. The Agriculture Industry also uses PPGL Coils for making Drying Machines, Farm Equipment, Greenhouses, Silos, Barns, and Sheds. General everyday products like Vending Machines, Display Cases, Cans, Bins, and Signboards also need PPGL Coils for preparation.

1) CR Coil

Width
750 → 1250 mm

Thickness
0.12 → 1.20 mm

Grade
Full Hard



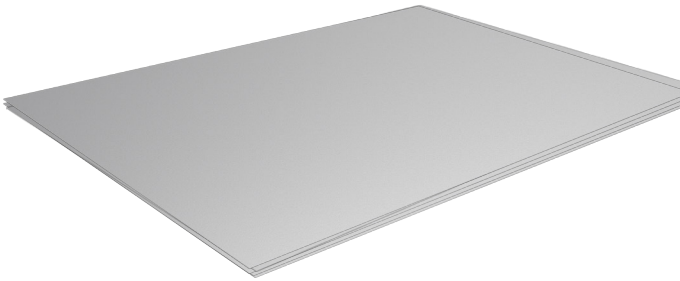
Different Designs

2) CRCA Coil & Sheet

Width
750 → 1250 mm

Thickness
0.20 → 1.20 mm

Grade
Soft (50 to 60 HRB)



3) HR Sheet

Width
910 → 1250 mm

Thickness
1.2 → 12.0 mm

Grade
Full Hard

4) Chequered Plate

Width
1250 mm

Thickness
2.0 → 12.0 mm

Grade
-

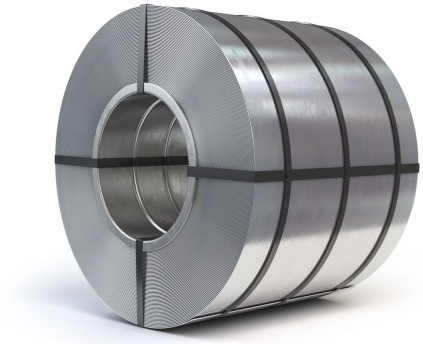
B) Jagdamba Galva+

1) Galvalume Coil

Width
750 → 1250 mm

Thickness
0.17 → 0.70 mm

Grade
Full Hard & Soft

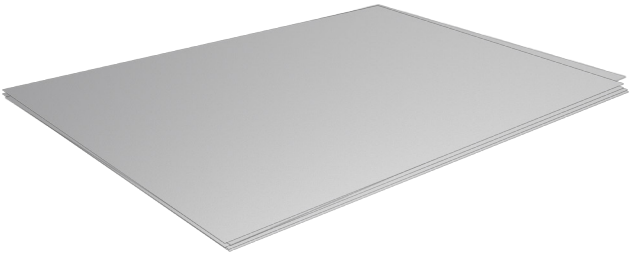


2) Galvalume Plain Sheet

Width
750 → 1250 mm

Thickness
0.17 → 0.70 mm

Grade
Full Hard & Soft

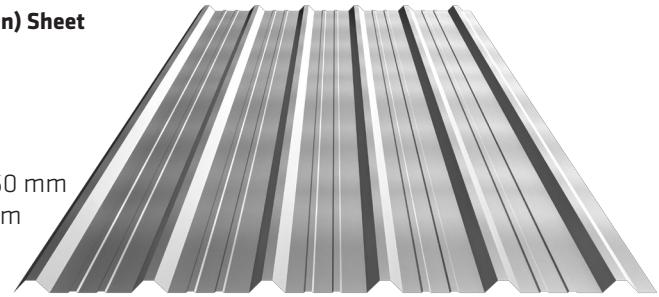


3) Galvalume Trapezoidal (H-span) Sheet

Width
1000/1220/1250 mm

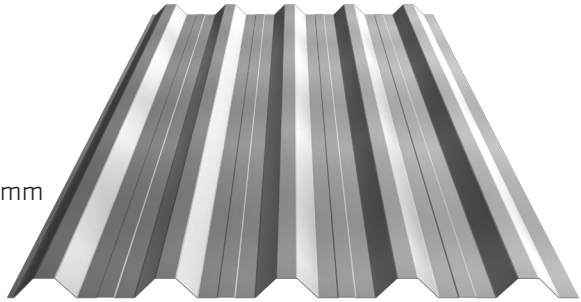
Thickness
Full Hard = 0.25 → 0.60 mm
Soft = 0.40 → 0.80 mm

Grade
Full Hard & Soft



Different Designs

4) Galvalume Heritage Sheet

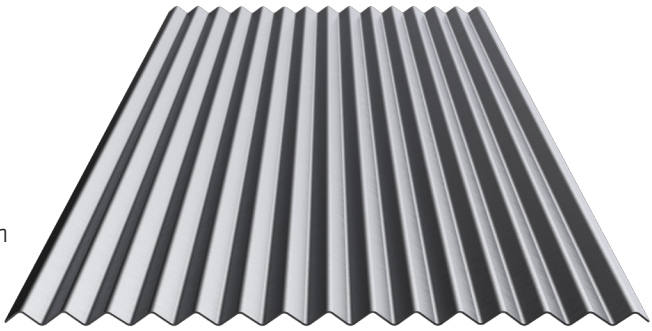


Width
Input = 1000 mm
Output = 860±10 mm

Thickness
Full Hard = 0.25 → 0.60 mm
Soft = 0.30 → 0.80 mm

Grade
Full Hard & Soft

5) Galvalume Corrugated Sheet

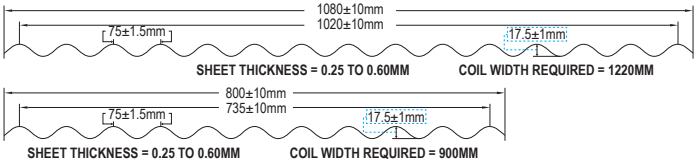


a) Continuous Corrugation

Width
Input = 900 mm
Output = 800±10 mm

Thickness
0.25 → 0.60 mm

Grade
Full Hard



b) Barrel Corrugation

Width
600–1220 mm

Max Sheet Length
3660 mm

Thickness
0.17 → 0.30 mm

Grade
Full Hard

6) Galvalume Pencil Coil

Size
750 → 1250 mm

Thickness
0.17 → 0.40 mm

Grade
Full Hard, Semi Hard & Soft

C) Jagdamba SuperShine

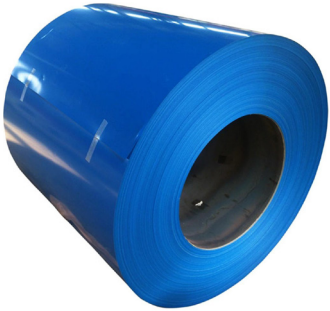
1) Color Coated Pencil Coil

Width
750 → 1250 mm

Thickness
0.17 → 0.40 mm

Grade
Full Hard, Semi Hard & Soft

2) Color Coated Coil

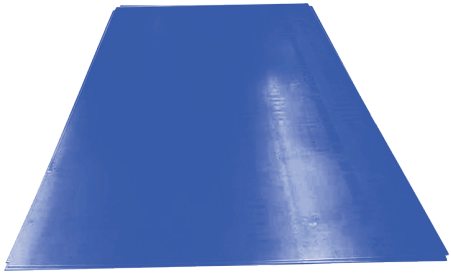


Width
750 → 1250 mm

Thickness
0.20 → 0.70 mm

Grade
Full Hard & Soft

3) Color Coated Plain Sheet



Width
750 → 1250 mm

Thickness
0.35 → 0.70 mm

Grade
Soft

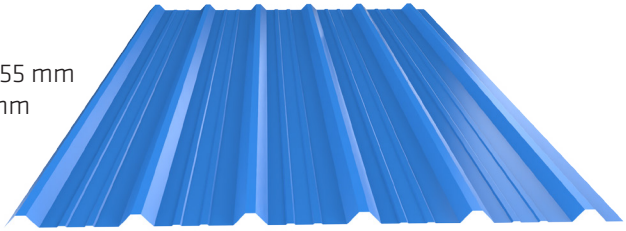
Different Designs

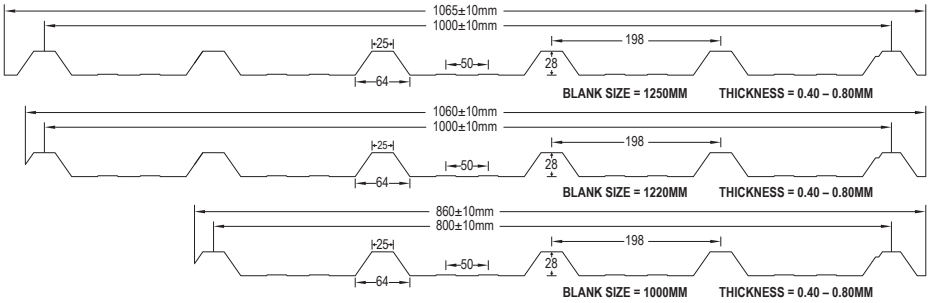
4) Color Coated H-Span Sheet

Width
1000/1220/1250 mm

Thickness
Full Hard = 0.45 ➞ 0.55 mm
Soft = 0.40 ➞ 0.80 mm

Grade
Full Hard, Soft



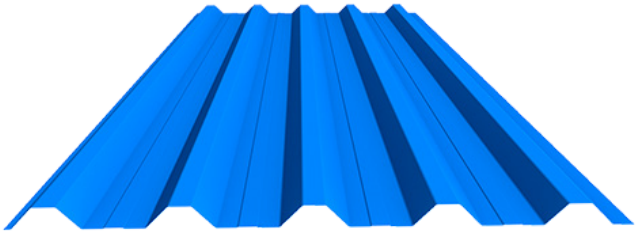


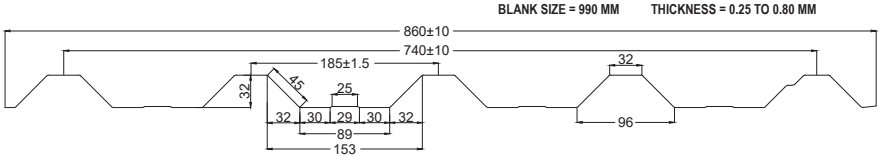
5) Color Coated Heritage Sheet

Width
1000 mm

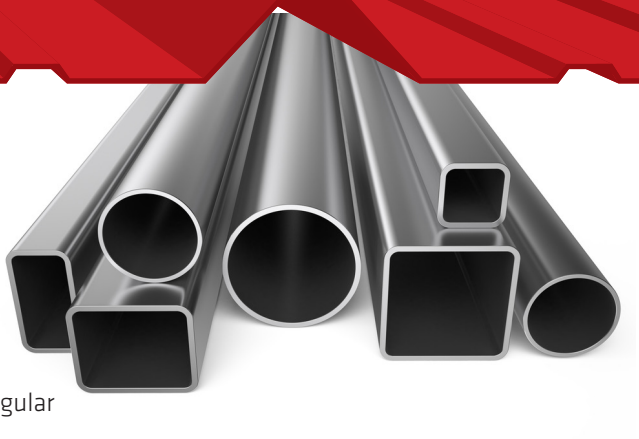
Thickness
0.25 ➞ 0.60 mm

Grade
Full Hard





Tube Mill



Width
15NB → 100NB

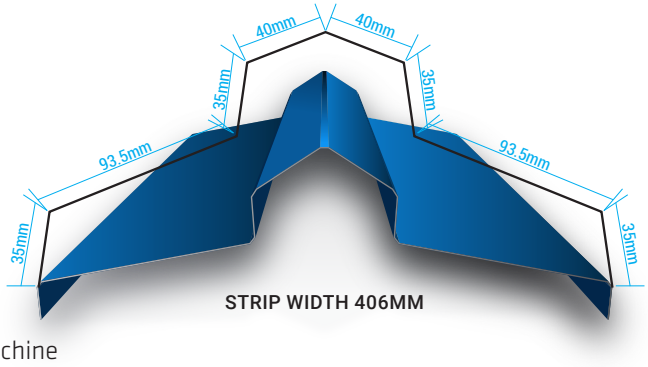
Thickness
1.20 → 4.50 mm

Grade
Round/Square/Rectangular

RIDGE COVER

Ridge Cover/caps are hot-dip Galvalume metal sheets designed to cover the PPGL sheets at the top of the roof. They can have many shapes and sizes. It is recommended to use ridge Cover whose wings are 15 cm minimum, in order to ensure a good overlap of the CGI sheets.

a) Manual Ridge Machine



Length
2650 mm (max)

Throat Depth
250 mm

Open Height
335 mm

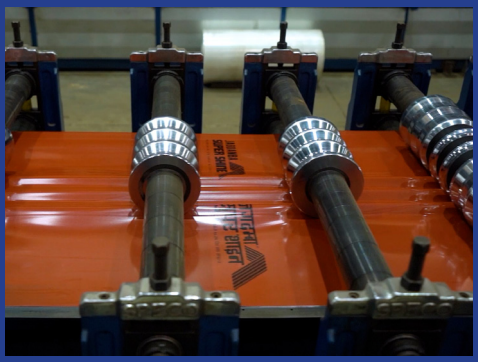
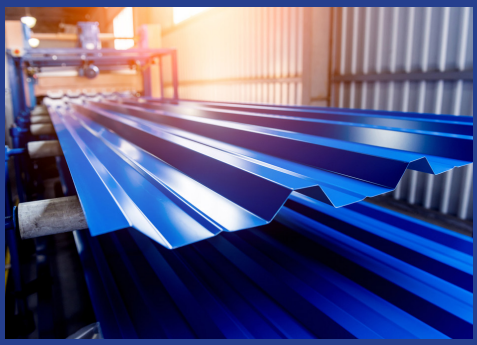
b) Rolling Shutter Profile Machine

Width
128 mm

Thickness
G18 → G20 Gauge

c) Rolling Shutter Side Channel Machine ("U" Profile)

Width
185 mm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