



PREMIUM
Stainless Steel Pipes for
EVERY NEED

COMPANY PROFILE

KV Metal & Alloys, formerly Sanjhi Metals Pvt. Ltd, established in 2005, is one of the leading market player in the **Decorative Stainless Steel Welded Pipes & Tubes** market. Our manufacturing facilities are **located at Hisar, Haryana (India), about 200 kms north-west of national capital, New Delhi**. We have an annual installed capacity of about 5000 metric ton. We have pan India presence through our network of loyal and committed dealers in all major states of India.

We manufacture high quality stainless steel welded pipes & tubes, using automatic TIG welding process, from flat-rolled stainless steel strips of various grades of national & international standards and as per customer specifications. We manufacture and market our products under the registered trademark of .

Our modern and technologically advanced infrastructure is well equipped to meet our production and delivery schedules on time. Our team of highly qualified and experienced professionals, under the leadership of **Sh Amit Shankar Bansal (Director)**, ensures production, testing and supply of pipes & tubes in accordance with all applicable national and international codes and standards such as **ASTM, ASME, DIN, NFA, JIS, etc.** Besides, the critical demands of our end users regarding applications, sizes, grades and specifications of pipes & tubes are met with and satisfied to our utmost ability.

Our range of products includes **Stainless Steel Pipes & Tubes for Industrial Applications, Rectangular Sections, Square Sections** and **Oval Sections**. We specialize in manufacturing **Railing Tubes, Decorative Tubes and Furniture Tubes** in special surface finishes such as mirror/glossy, matt/grit etc.

We source raw materials such as cold rolled stainless steel coils and strips of various grades from reliable and quality conscious manufacturers of international repute like **Jindal Stainless Limited (JSL) Hisar & Jajpur(Orissa), Hisar Metal Industries Ltd Hisar, Rimjhim Ispat Ltd Kanpur etc.**

Proper care is taken in the packaging and forwarding of the pipes & tubes to protect them from different environmental and other hazards during their journey from our factory to the warehouses of the customers.

PRODUCTS



Round pipes



Square pipes



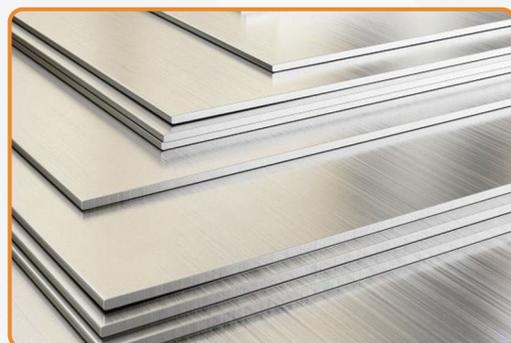
Rectangle pipes



Slotted pipes



SS Coils



SS Sheets



Oval pipes

WEIGHT CHART

OD mm	OD Inch	0.50 mm (28G)	0.60 mm (26G)	0.70 mm (24G)	0.80 mm (22G)	0.90 mm (20G)	1.20 mm (18G)	1.45 mm (16G)	1.96 mm (14G)
10	3/8"	0.720	0.850	0.980	1.110	1.240	1.600	-	-
12.7 10*10	1/2"	0.920	1.100	1.300	1.440	1.600	2.100	2.500	-
15.875 12*12	5/8"	1.160	1.400	1.600	1.820	2.000	2.700	3.200	-
19.05 15*15 10*20 25 * 12 Oval	3/4"	1.400	1.700	1.940	2.200	2.500	3.300	3.900	5.100
22	7/8"	1.630	1.940	2.250	2.560	2.900	3.800	4.600	6.000
25.4 20 *20 25*12 13*13 oval	1"	1.900	2.250	2.600	3.000	3.400	4.400	5.300	7.000
31.75 25*25 10*40	1.25"	2.360	2.800	2.600	3.000	3.400	4.400	5.300	7.000
35 19*45 oval		2.600	3.100	3.600	4.140	4.700	5.600	6.700	8.900
38.1 20*40 30*30 24*36 10*50	1.5"	2.840	3.400	3.960	4.500	5.100	6.800	7.400	9.800
48.26 25*50	1.5NB	3.610	4.300	5.000	5.740	6.500	8.600	10.400	13.800
50.8 40*40	2"	3.800	4.600	5.300	6.100	6.800	9.100	10.900	14.500
63.5 50*50 25*75 35*65 40*60	2.5"	4.760	5.700	6.650	7.600	8.500	11.400	13.700	18.330
76.2 40*80 60*60	3"	5.720	6.900	8.000	9.120	10.300	13.700	16.600	22.100
101.6 80*80 50*100	4"	7.640	9.200	10.700	12.200	13.700	18.400	22.200	29.700

Weight (Kg/ft) = (OD-thickness)*thickness*0.00756

Authorised MOU Partner

CHEMICAL COMPOSITION

JSL GRADES	%C	%Mn	%P	%S	%SI	%CR	%NI	%MO	NPM
	(min~max)	(min~max)	(min~max)	(min~max)	(min~max)	(min~max)	(min~max)	(min~max)	(max)
J-201	0.15	5.5-7.5	0.06	0.03	1	16.00-18.00	3.50-5.50	-	2500
J-202	0.15	7.5-10.0	0.06	0.03	1	17.00-19.00	4.00-6.00	-	2500
JT	0.1	9.0-10.0	0.01	0.01	0.75	14.5-16.5	0.25-0.35	-	-
J4	0.1	8.50-10.0	0.08	0.01	0.75	15.00-16.00	1.00-2.00	-	2000
JSL U DD	0.15 (max)	9.7-10.7	0.10 (max)	0.03 (max)	0.75 (max)	15.1 to 16.0	0.45 to 0.60	-	-
JSL U SD	0.15 (max)	9.7-10.30	0.10 (max)	0.03 (max)	0.75 (max)	13.25 to 14.25	0.40 to 0.50	-	-
J-301	0.15	2	0.045	0.03	1	16.00-18.00	6.00-8.00	-	1000
J-304	0.07	2	0.045	0.03	0.75	17.50-19.50	8.00-10.50	-	1000
J-304L	0.03	2	0.045	0.03	0.75	17.50-19.50	8.00-12.00	-	1000
J-316	0.08	2	0.045	0.03	0.75	16.00-18.00	10.00-14.00	2.00-3.00	1000
J-316L	0.03	2	0.045	0.03	0.75	16.00-18.00	10.00-14.00	2.00-3.00	1000
J-410	0.08-0.15	1	0.04	0.03	1	11.50-13.50	0.75 max	-	-
J-420	0.15 min	1	0.04	0.03	1	12.00-14.00	0.75 max	0.50 max	-
J-409L	0.03	1	0.04	0.02	1	10.50-11.70	0.50 max	-	300

MECHANICAL PROPERTIES

JSL GRADES	Tensile Strength (MPA) Min.	% Yield Strength (MPA) Min	% Elongation (min).	Hardness (HRB) Max.
J-201	655	310	40	100
J-202	620	260	40	100
JT	700	350	40	100
J4	650	325	40	100
JSL U DD	700	350	40	100
JSL U SD	700	350	40	100
J-301	515	205	40	95
J-304	515	205	40	92
J-304L	485	170	40	92
J-316	515	205	40	95
J-316L	485	170	40	95
J-410	450	205	20	96
J-420	690	-	15	96
J-409L	380	170	20	88
J-409 Ni	415	275	20	92

SURFACE FINISH	DEFINITION	APPLICATIONS
No. 1	Hot Rolled Annealed, Shot Blasted and Pickled	Pipes, Tubing, Chemical Tank, General Fabrication
No. 2	Dull Cold Rolled Annealed and Pickled	Deep Drawn Utensils, Heat Exchanger, Exhaust Pipe
No. 2 B	Cold Rolled Annealed and Pickled and Skin Passed, Given an Appropriate Luster by Agai Cold Rolling	Food Industry, Kitchen Utensils, Electric Equipment, Construction Material
BA	Bright Annealed Finish, Processed with Bright Heat Treatment After Cold Rolling	Decorative Usage, Kitchen Utensils, Electric Equipment, Building Construction.
No. 3	Cold Rolled Annealed and Pickled and Polished with 100 to 120 Grit.	Kitchen Utensils, Building Construction, Medical Equipment
No. 4	Cold Rolled Annealed and Pickled and Polished with 150 to 180 Grit.	Kitchen Utensils, Building Construction, Medical Equipment
Scotch Brite	Very Fine Hairline Finish Generated by Polishing with Rolls Made out of Scotch Brite Material.	Architectural Purposes, Railway Cabins, Elevators Interiors, Paneling, Kitchen Appliances



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JSL
JINDAL STAINLESS