

A Brand Known for Quality & Services

TRUSTED STRENGTH, SEAMLESS FLOW

THE BACKBONE OF RELIABLE CONNECTIONS



VANGUARD STEEL PVT. LTD.

www.vanguardsteels.com



ABOUT US

Vanguard Steel Pvt. Ltd. founded in 2010 by Late Shri Banwari Lal Lamba, is a trusted name in the stainless steel industry. With a strong legacy and visionary leadership.

We have grown to become one of India's leading manufacturers of Stainless Steel Tubes and Pipes.

Our commitment to quality, innovation, and customer satisfaction sets us apart in a competitive market. We specialize in producing high-grade stainless steel products that meet international standards.

Every product reflects precision engineering and robust durability. Over the years, we have built long-lasting relationships with clients across diverse industries.

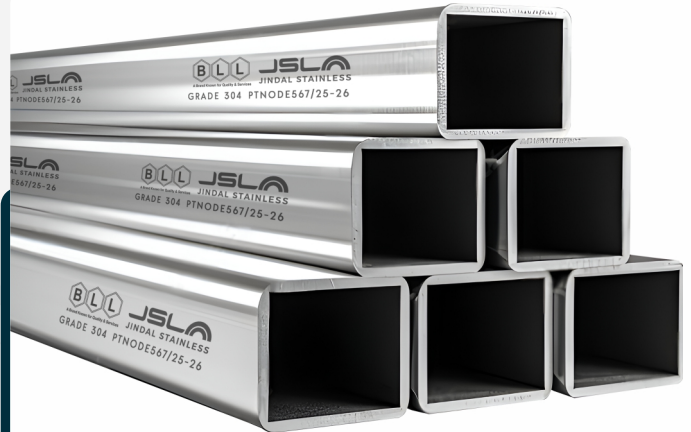
Our state-of-the-art manufacturing facility ensures efficiency, consistency, and excellence. We are driven by values of integrity, transparency, and continuous improvement.

At Vanguard Steel Pvt. Ltd., we believe in building a stronger, corrosion-free future. Proudly carrying forward the vision of our founder, we continue to set new benchmarks in stainless steel manufacturing.

STAINLESS STEEL PRODUCTS



Round Pipe



Square Pipe



Rectangular Pipe



Oval Pipe



Slotted Pipe

STRENGTH

in Every Pipe

PERFORMANCE

in Every Promise

APPLICATION AREA

We proudly cater to a wide range of industries and delivering specialized steel Products to meet the unique requirements of following sectors



Oil & Gas Industries



Chemical Industries



Sugar Industries



Food & Dairy



Pharmaceutical



Automobile



Metro



Railing



Steel Gate

MANUFACTURING OVERVIEW

The complete manufacturing of pipes is carried out mechanically with high precision and efficiency, powered by the latest technology..



**Delivering
Quality and Reliability**

WEIGHT CHART

Round, Square & Rectangle

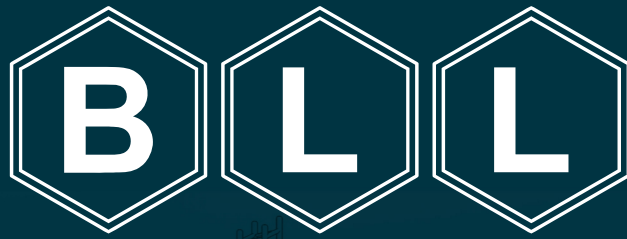
OD	SIZE	THICKNESS	22G	20G	19G	18G	16G	14G
		THICKNESS	0.80MM	0.90MM	1MM	1.20MM	1.45MM	2 MM
10	3/8'		1.120	1.250	1.370	1.610	1.890	2.440
12.7	1/2'	10X10	1.450	1.620	1.790	2.110	2.490	3.220
15.875	5/8'	12X12	1.840	2.060	2.270	2.690	3.190	4.240
19.05	3/4'	15X15	2.230	2.490	2.270	3.270	3.900	5.240
		10X20	2.230	2.490	2.760	3.270	3.900	5.240
25.4	1'	20X20	3.000	3.370	3.710	4.430	5.300	7.180
		13X26	3.000	3.370	3.710	4.430	5.300	7.180
31.75	1.25'	25X25	3.780	4.240	4.700	5.600	6.710	9.090
		10X40	3.780	4.240	4.700	5.600	6.710	9.090
38.1	1.5'	20X40	4.560	5.110	5.660	6.760	8.110	11.320
		10X50	4.560	5.110	5.660	6.760	8.110	11.320
		30X30	4.560	5.110	5.660	6.760	8.110	11.320
48.26	1.5NB	25X50	5.800	6.510	7.220	8.620	10.360	14.130
50.28	2'	40X40	6.110	6.860	7.600	9.090	10.930	14.900
63.5	22.5'	50X50	7.660	8.600	9.540	11.410	13.740	18.080
		35X65	7.660	8.600	9.540	11.410	13.740	18.080
		25X75	7.660	8.600	9.540	11.410	13.740	18.080
76.22	3'	40X80	9.210	10.350	11.480	13.740	16.550	22.660
		60X60	9.210	10.350	11.480	13.740	16.550	22.660
101.6	4'	50X100	12.310	13.840	15.360	18.400	22.170	30.410
		80X80	12.310	13.840	15.360	18.400	22.170	3.410

Authorised MOU Partner

CHEMICAL COMPOSITION (%)	GRADE	C (Max)	Min (Max)	SI (Max)	P (Max)	S (Max)	NI	SR
	JSLU-SD	0.15	-	0.75	0.100	0.020	0.40-0.75	13.25-00.00
	J3	0.80	9.00-10.50	0.75	0.075	0.030	2.00-3.00	14.00-16.00
	J4	0.10	8.50-10.00	0.75	0.090	0.030	1.2Max	15.00-16.00
	JT (202)	0.08	7.5-10.00	0.75	0.100	0.020	0.20	14.00-00.00
	301	0.15	2.00	1.00	0.045	0.030	6.00-8.00	16.00-18.00
	304	0.08	2.00	0.75	0.045	0.030	8.00-10.50	18.00-20.00
	304 L	0.03	2.00	0.75	0.045	0.030	8.00-12.00	18.00-20.00
	316	0.08	2.00	0.75	0.045	0.030	10.00-14.00	16.00-18.00
	316L	0.03	2.00	0.75	0.045	0.030	10.00-14.00	16.00-18.00
	321	0.08	2.00	0.75	0.045	0.030	9.00-12.00	17.00-19.00
	409 L	0.03	1.00	0.75	0.030	0.040	0.50 Max	10.50-11.75
	4105	0.08	1.00	1.00	0.030	0.040	0.60 Max	11.50-13.50
	420	0.35	1.00	1.00	0.030	0.040	0.75 Max	12.00-14.00
	430	0.12	1.00	1.00	0.030	0.040	0.75 Max	16.00-18.00

MECHANICAL COMPOSITION (%)	Stainless Steel Grade AISI	Condition	Tensile Strength Mpa(Min.)	Yeild Strength Mpa(Min.)	Percentage (%) Elongation(Max.)	Hardnes RB (Max.)
	JSLU-SD	Annealed	550	205	40	95
	J3	Annealed	600	250	40	95
	J4	Annealed	700	350	40	95
	JT (202)	Annealed	620	310	40	98
	301	Annealed	515	205	40	88
	304	Annealed	579	290	55	80
	304 L	Annealed	558	269	55	80
	316	Annealed	579	290	50	79
	316L	Annealed	558	290	50	79
	321	Annealed	621	241	45	80
	409 M	Annealed	450	275	20	90
	410S	Annealed	480	310	22	90
	420	Annealed	655	345	15	92
	430	Annealed	517	345	25	85

Stainless Steel Grade AISI	Main Characteristics	Typical Application/End products
JT (202)	High Cold Work hardening rate. good for mability	Water tubings, watch parts foot rule, Industrial knives, bus boov accessories, stensils kitchen appliances, kerosene & gas stove stove parts.
301	Attains high strength by being cold worked while reta ning good cuct lity.	Usezi in cold Worked condition for springs & wear plates.
304	Better welding characteristics with good for mability and general corrosion resistance.	Watch parts, engine gaskets, flexible hoses, foot rule, door hinges, capillary tubings & sinks.
304 L	Low carbon content, weldable and resistance. to sensitisation. Good corrosion and oxidation resistance	Hypodermic needles and capillary tubings.
316	Superior corrosion resistance to sea water & many chemicals and weldabic.	Engine gaskets, flexible hoses, process piant and paper industry equipment.
316L	Low Carbon content, highly comosion resistant. weldable and resistant to sansitisation.	Process plant parts particularly in thick sections.
321	Weldable and resistant to sensitisation Good corrosion and oxidation resistance.	Heater elements, process plant, furnace parts and high temperature tubes.
409M	Good corrosion and oxidation resistance.	Auto mufflers catalytic converters and trasformer cases.
4105	Weldable and resistance to scaling Good corrosion and heat resistance.	Turbine blartes, fasteners & fishing tackle



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