



SPS AUTOTUBES PVT LTD

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Coronation in



SPS AUTOTUBES
PVT LTD

🌐 www.spsautotubes.com



About

SPS Autotubes Pvt. Ltd. is the New Venture of SPS Tube Industries dedicated totally for automobile segment. It is part of SPS Tubes Industries which started its operations in 2003 and has rapidly grown in to one leading quality Stainless Steel Tubes and Pipes Manufacturing Company in India.

With over 13 years of Experience in manufacturing of SS Tubes and Pipes, we have diversified our product application into various segment used for structural, industrial, decorative (ornamental) purpose as per international standards specifications in various grades of Stainless Steel.

We are dedicated to provide best product to our customer as per their requirement with utmost quality.

Our aim is to provide nothing but the best to all our customers with state-of-the-art manufacturing facility installed with the latest High Frequency (HF) technology. With installed capacity of producing 24000 MT per annum with high quality standard for domestic and international markets as per requirement.



Sanitary & Plumbing

Pharmaceuticals

Sugar

& Many More

Automobile

Railway Coaches

Furniture

Fabrication

Sanitary & Plumbing

Hospital Equipments

Instrumentations

Automobile

Dairy & Food

Kitchenware

Pharmaceuticals

Railway Coaches

Industries Served

Our products are used in various industries like: [Railway Coaches](#), [Kitchenware](#), [Sanitary & Plumbing](#), [Automobiles](#), [Pharmaceuticals](#), [Sugar](#), [Furniture](#), [Fabrications \(Machines / Vessels\)](#), [Dairy & Food](#), [Hospital Equipments](#), [Instrumentations](#) & many more...

Stainless Steel Round Tubing Series



OD/ Thickness (mm)	Weight / Thickness												
	0.8	1.0	1.2	1.5	1.6	2.0	2.3	2.5	2.6	3.0	3.2	3.5	4.0
08.00	0.145	0.175	0.202	--	--	--	--	--	--	--	--	--	--
10.00	0.183	0.225	0.262	0.316	0.333	--	--	--	--	--	--	--	--
12.00	0.222	0.273	0.322	0.391	0.413	0.496	--	--	--	--	--	--	--
12.70	0.236	0.290	0.342	0.417	0.440	0.530	--	--	--	--	--	--	--
15.00	0.284	0.315	0.415	0.507	0.532	0.646	--	--	--	--	--	--	--
16.00	0.304	0.376	0.445	0.545	0.577	0.701	--	--	--	--	--	--	--
19.05	0.366	0.452	0.536	0.569	0.699	0.854	0.956	1.026	--	--	--	--	--
22.00	0.425	0.526	0.625	0.77	0.817	1.002	1.124	1.209	--	--	--	--	--
23.00	0.455	0.551	0.655	0.808	0.857	1.052	1.18	1.271	--	--	--	--	--
25.00	0.485	0.601	0.715	0.883	0.937	1.152	1.307	1.409	1.458	1.637	--	--	--
25.40	0.493	0.611	0.727	0.898	0.954	1.172	1.33	1.434	1.484	1.667	--	--	--
28.00	0.545	0.676	0.805	0.995	1.058	1.302	1.48	1.596	1.658	1.86	--	--	--
30.00	0.585	0.726	0.865	1.07	1.138	1.402	1.595	1.722	1.784	2.028	--	--	--
31.80	0.621	0.771	0.919	1.138	1.21	1.492	1.699	1.834	1.901	2.163	--	--	--
32.00	0.625	0.776	0.925	1.146	1.218	1.502	1.71	1.847	1.914	2.178	--	--	--
33.00	0.645	0.801	0.956	1.183	1.258	1.552	1.768	1.909	1.979	2.254	2.388	--	--
34.00	0.665	0.826	0.986	1.221	1.298	1.603	1.826	1.972	2.044	2.329	2.468	--	--
35.00	0.685	0.851	1.016	1.258	1.338	1.653	1.883	2.035	2.109	2.404	2.548	--	--
38.00	0.745	0.926	1.106	1.371	1.458	1.803	2.056	2.222	2.305	2.629	2.788	--	--
40.00	0.785	0.977	1.166	1.446	1.538	1.903	2.171	2.348	2.435	2.779	2.949	--	--
41.00	0.805	1.002	1.196	1.484	1.579	1.953	2.229	2.41	2.5	2.855	3.029	--	--
44.50	0.875	1.089	1.301	1.615	1.719	2.128	2.43	2.629	2.728	3.117	3.309	3.687	--
45.00	0.885	1.102	1.316	1.634	1.739	2.153	2.459	2.661	2.76	3.155	3.349	3.732	--
50.00	0.986	1.227	1.466	1.822	1.939	2.404	2.747	2.974	3.086	3.531	3.75	4.183	--
50.80	1.002	1.247	1.49	1.852	1.971	2.444	2.793	3.024	3.138	3.591	3.814	4.255	--
54.00	--	1.327	1.587	1.972	2.099	2.604	2.978	3.224	3.346	3.831	4.071	4.543	--
57.00	--	1.402	1.677	2.085	2.22	2.754	3.15	3.412	3.542	4.056	4.311	4.814	--
63.50	--	--	1.872	2.329	2.48	3.08	3.525	3.819	3.965	4.545	4.832	5.4	5.903
76.10	--	--	2.251	2.802	2.985	3.711	4.25	4.607	4.785	5.491	5.841	6.535	7.222
90.00	--	--	2.635	3.283	3.498	4.352	4.987	5.409	5.618	6.453	6.867	7.689	8.504

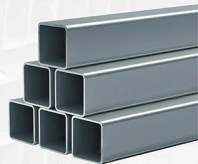
American Schedule Sizes Stainless Steel Piping Series



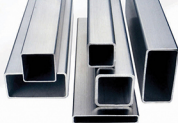
Nominal Inches	Diameter	Schedule 5 S		Schedule 10 S		Schedule 40 S	
	Ext.	Thickness (T)	Weight (W)	Thickness (T)	Weight (W)	Thickness (mm)	Weight (W)
	inches mm	inches mm	kg/ft kg/m	inches mm	kg/ft kg/m	inches mm	kg/ft kg/m
1/8	0.840 21.34	0.065 1.650	0.247 0.812	0.083 2.110	0.308 1.013	0.109 2.770	0.391 1.285
1/4	1.050 26.70	0.065 1.650	0.315 1.035	0.083 2.110	0.395 1.300	0.113 2.870	0.521 1.712
1	1.315 33.40	0.065 1.650	0.399 1.311	0.109 2.770	0.640 2.123	0.133 3.380	0.773 2.540
1 1/4	1.660 42.20	0.065 1.650	0.509 1.675	0.109 2.770	0.832 2.734	0.140 3.560	1.050 3.443
1 1/2	1.900 48.30	0.065 1.650	0.586 1.926	0.109 2.770	0.960 3.160	0.145 3.680	1.252 4.110
2	2.375 60.30	0.065 1.650	0.737 2.422	0.109 2.770	1.216 3.990	0.154 3.910	1.680 5.520
2 1/2	2.875 73.03	0.083 2.110	1.130 3.710	0.120 3.050	1.610 5.270	--	--
3	3.500 88.90	0.083 2.110	1.384 4.510	0.120 3.050	1.907 6.450	--	--

Stainless Steel Square Tubing Series

OD/ Thickness (mm)	Weight / Thickness						
	1.2	1.5	2.0	3.0	3.2	3.5	4.0
25x25	0.925	1.145	1.495	2.216	--	--	--
30x30	1.106	1.371	1.840	--	2.720	--	--
35x35	1.310	1.620	2.150	3.152	--	--	--
40x40	1.496	1.859	2.454	3.756	--	4.808	--
50x50	1.556	2.329	3.080	4.650	--	5.208	5.960
60x60	2.232	2.802	3.711	5.491	--	6.311	--



Stainless Steel Rectangle Tubing Series



OD/ Thickness (mm)	Weight / Thickness					
	1.0	1.2	1.5	2.0	2.5	3.0
10x20	0.446	0.530	0.651	---	---	---
10x25	0.521	0.619	0.763	--	--	--
10x30	0.605	0.720	0.889	--	--	--
10x40	--	--	1.146	1.840	--	--
10x50	--	--	1.371	2.150	--	--
10x60	--	--	1.371	2.420	--	--
10x70	--	--	1.834	2.804	--	--
10x80	--	--	2.122	--	--	--
1270x20	0.496	0.589	0.725	--	--	--
12.70x25	0.570	0.679	0.837	1.091	--	--
12.70x30	0.645	0.768	0.949	1.240	--	--
12.70x40	0.804	0.958	1.187	1.558	--	--
12.70x50	0.967	1.155	1.432	1.885	--	--
15x20	--	0.619	0.763	0.992	--	--
15x25	--	0.720	0.889	1.161	--	--
15x30	--	0.813	1.005	1.315	1.612	--
15x40	--	1.006	1.246	1.637	2.015	--
15x50	--	1.196	1.484	1.955	2.412	--
15x60	--	1.393	1.730	2.282	2.881	--
20x25	--	0.183	1.005	1.315	1.612	--
20x30	--	0.925	1.146	1.495	--	--

OD/ Thickness (mm)	Weight / Thickness					
	1.0	1.2	1.5	2.0	2.5	3.0
20x40	---	1.106	1.371	1.480	--	--
20x50	--	1.310	1.620	2.150	--	--
20x60	--	1.496	1.859	2.454	--	--
20x70	--	--	2.064	2.804	--	--
20x75	--	--	2.188	2.890	3.584	4.564
20x80	--	--	2.329	3.080	3.782	4.501
20x100	--	--	2.802	3.711	4.570	5.491
25x30	--	1.006	1.245	1.637	2.015	--
25x50	--	1.393	1.730	2.282	2.881	3.456
25x70	--	--	2.188	2.890	3.584	4.264
25x75	--	--	2.307	3.051	3.482	4.502
30x40	--	1.310	1.620	2.150	--	3.152
30x50	--	1.496	1.859	2.454	3.556	--
30x60	--	--	2.122	2.804	--	4.131
30x70	--	--	2.307	3.051	3.782	4.502
40x50	--	--	2.064	2.804	--	4.131
40x60	--	--	2.307	3.051	--	4.502
40x80	--	--	2.802	3.711	--	5.491
40x100	--	--	--	4.380	5.425	6.530
50x70	--	--	--	3.711	--	5.491
60x80	--	--	--	4.380	--	6.530

HF Mill Production Range

Grade & Thickness as per customer requirement. 1.0 to 3.00mm

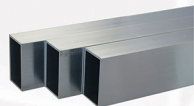
FOR ROUND

OD/ Thickness (mm)	Weight / Thickness										
	1.0	1.2	1.5	1.6	2.0	2.3	2.5	2.6	3.0		
25.40	0.611	0.727	0.898	0.954	1.172	1.33	1.434	1.484	1.667		
28.70	0.687	0.818	1.012	1.075	1.324	1.506	1.625	1.683	1.912		
31.80	0.771	0.919	1.138	1.21	1.492	1.699	1.834	1.901	2.163		
38.10	0.920	1.098	1.362	1.448	1.791	2.042	2.207	2.289	2.612		
42.60	1.032	1.232	1.529	1.627	1.334	2.299	2.486	2.579	2.947		
48.30	1.173	1.402	1.741	1.853	2.297	2.624	2.840	2.947	3.371		
50.80	1.247	1.49	1.852	1.971	2.444	2.793	3.024	3.138	3.591		
57.10	1.391	1.664	2.069	2.202	2.733	3.126	3.396	3.515	4.026		
63.50	--	1.872	2.329	2.48	3.08	3.525	3.819	3.965	4.545		



FOR SQUARE & RECTANGLE

OD/ Thickness (mm)	Weight / Thickness							
	1.2	1.5	2.0	3.0	3.2	3.5	4.0	
20x20	0.727	0.898	0.954	1.667	---	---	---	
25x25	0.925	1.145	1.495	2.216	--	--	--	
20x40	1.106	1.371	1.480	--	--	--	--	
30x30	1.106	1.371	1.840	--	2.720	--	--	
25x50	1.393	1.730	2.282	3.456	--	--	--	
40x40	1.496	1.859	2.454	3.756	--	4.808	--	
50x50	1.556	2.329	3.080	4.650	--	5.208	5.960	
40x60	--	2.307	3.051	4.502	--	--	--	



Chemical Composition

SPS as per ASTM	%C (Max)	%Mn (Max)	%P (Max)	%S (Max)	%Si (Max)	%Cr	%Ni	%N (Max)
Austenitic Cr-Mn*								
(201 0.3% Ni)	0.13	11.0	0.1	0.015	0.750	14.0 - 15.25	0.40	0.200
(201 1% Ni)	0.100	10.0	0.080	0.010	0.750	15.0 - 16.0	1.00 - 2.00	0.200
(202 3% Ni)	0.150	9.75 - 10.75	0.100	0.020	0.750	14.50 - 16.00	0.40 - 0.55	0.200
304	0.080	2.00	0.045	0.030	0.750	18.00 - 20.00	8.00 - 12.00	0.100
316L	0.030	2.00	0.045	0.030	0.750	16.00 - 18.00	10.00 - 14.00	0.100
409M	0.030	1.50	0.040	0.015	1.000	10.50 - 12.50	0.30 - 1.00	0.030
409L	0.030	1.00	0.040	0.020	1.000	10.50 - 11.70	0.50	0.030
436L	0.025	1.00	0.040	0.030	1.000	16.00 - 19.00	0.50	0.025
439	0.030	1.00	0.040	0.030	1.000	17.00 - 19.00	0.50	0.030
441	0.030	1.00	0.040	0.015	1.000	17.50 - 18.50	--	--

ASTM Standards

Specification	Allowable Outside Dia. Variations (mm)			Allowable Wall Thickness Variations		Exact Length Tolerances (mm)		Testing
	Nominal Dia.	Over	Under	Over %	Under %	Over	Under	
ASTM A - 270 Welded Sanitary Tubing	25.4	0.05	0.20	+12.5	-12.5	3.2	0	Reverse Flattening Test, 100% Hydrostatic Test, External Polish on all Tubes Refer to ASTM A - 270.
	38.1	0.05	0.20	+12.5	-12.5	3.2	0	
	50.8	0.05	0.28	+12.5	-12.5	3.2	0	
	63.8	0.05	0.28	+12.5	-12.5	3.2	0	
	76.2	0.08	0.30	+12.5	-12.5	3.2	0	
ASTM A - 312 Welded Pipe	13.7 - 48.3 incl	0.40	0.80	Minimum Wall 12.5% under nominal wall specified		6.4	0	Tensile Test, Flattening Test, 100% Hydrostatic Test, Refer to ASTM A - 270.
	48.3 - 114.3 incl	0.80	0.80			6.4	0	
ASTM A - 554 Welded Tube & Sanitary Tube	Under 25.4	0.25	0.25	+10	-10	4.80	0	Flattening Test, Flare Test, Hardness Test, More Tests as per customer's requirements Refer to ASTM A - 554.
	25.4-38.1	0.20	0.25	+10	-10	4.80	0	
	38.1-50.8	0.25	0.20	+10	-10	4.80	0	
	50.8-63.5	0.30	0.30	+10	-10	4.80	0	
	63.5-76.2	0.36	0.36	+10	-10	4.80	0	
	76.2-88.9	0.51	0.51	+10	-10	4.80	0	

Finishes

There are two types of finishes we are doing :

Matt Finish : 180 , 220 , up to 400 Grits

Mirror Finish : 600 Grits & 8K

Process Flow Chart

For High Frequency (HF) Pipe Manufacturing

