



Product Catalogue

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JAKS STEEL INDUSTRIES SDN BHD



JAKS Steel Industries Sdn Bhd (JSISB) is a subsidiary of JAKS Resources Berhad, which was incorporated in 1990. Led by a proficient and experience management team, JSISB is recognized as one of the leading pipe manufacturer in Malaysia.

JSISB produces black steel pipes, hollow sections, tubes, plates and sheets. Auxiliary services such as coil slitting and plate shearing are also available.

At JSISB, we are committed to provide our customers with quality products and excellent manufacturing support to ensure long-term business relationship.

Our products are manufactured to internationally accepted standards such as American Society of Testing and Materials (ASTM), British Standard (BS) and Japanese Industry Standard (JIS), including the prestigious MS ISO 9001, Quality Management System Certified.

Besides manufacturing, JSISB trading division also carries a full range of steel products such as steel sheet piles, universal beams and columns, angle bars and other structural steel accessories; necessary to meet the needs of the construction industry.

QUALITY ASSURANCE

JAKS Steel Industries Sdn Bhd is committed to provide quality products and excellent manufacturing support. Our emphasis is on quality excellence starting right from the purchasing of raw materials to delivery.

Our products are manufactured to internationally accepted standards such as ASTM, BS and JIS, including the prestigious MS ISO 9001 Quality Management System certified.

The quality system ensures every stage of production adheres to the highest quality standard, which include the following tests :-

- Visual Inspection
- Dimensional Inspection
- Tensile Test
- Bend Test
- Flattening Test
- Hydrostatic Pressure Test
- Nondestructive Test (Eddy Current Test)

PIPES MANUFACTURING METHOD

Welding Process – Electric Resistance Welded (ERW)

A process of forming a seam by electric resistance or electric induction welding where in the edges to be welded are mechanically pressed together and the heat for welding is generated by the resistance to flow of electric current.

MAIN PRODUCTS



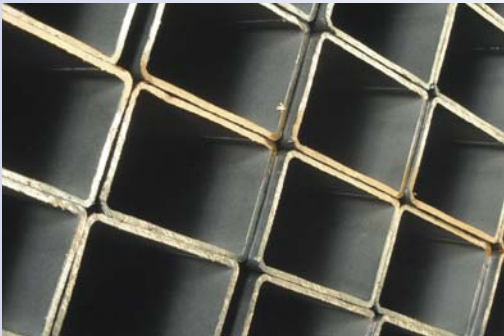
Welded Steel Pipes



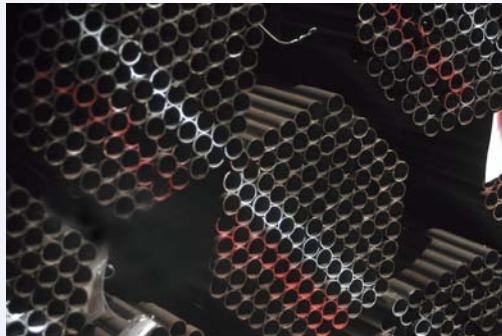
Furniture Tubes



Square Hollow Sections



Rectangular Hollow Sections



Mechanical Tubes



Plates

SPECIFICATIONS & APPLICATION

Standard	Specification	Title	Application
British Standard	BS 1387	Screwed and socketed steel tubes and tubulars and for plain end steel tubes suitable for welding or for screwing to BS21 pipe threads	For general purpose.
American Society of Testing & Material	ASTM A 53 / A 53M	Standard specification for pipe, steel, black and hot-dipped, zinc-coated, welded and seamless	For mechanical and pressure applications and is also acceptable for ordinary uses in steam, water, gas and air.
	ASTM A500	Cold-Formed welded and seamless carbon steel structural tubing in rounds and shapes	For welded, riveted, or bolted construction of bridges and buildings, and for general structural purpose.
Japanese Industry Standard	JIS G 3452	Carbon steel pipes for ordinary piping	For conveying steam, water (excepting public water supply service), oil, gas, air, etc. at comparatively low working pressures
	JIS G 3444	Carbon steel tubes for general structural purpose	For civil engineering, architecture, steel towers, scaffoldings, struts, piles for suppression of landslide and other structures.
	JIS G 3445	Carbon steel tubes for machine structural purpose	For machinery, automobiles, bicycles, furniture, appliances and other machine parts.
	JIS G 3131	Hot rolled mild steel plates, sheets and strip	For general fabrication purposes and drawing
	JIS G 3101	Rolled steels for general structure	For general structure such as bridges, ships, rolling stocks and other structures.
	JIS G 3141	Cold-reduced carbon steel sheets and strip	For furniture, construction, engineering, electrical appliances, etc



WELDED STEEL PIPE

BS 1387 : Class Light / Manufacturer's Standard

Class	Nominal Size		Outside Diameter				Wall Thickness		Test Pressure		Weight				Number of Threads per Inch	Pieces per Bundle
			Max		Min						Plain Ends		Threaded and Coupled			
	in	mm	in	mm	in	mm	in	mm	Psi	Bar	lb/ft	kg/m	lb/ft	kg/m		
Light	½	15	0.843	21.40	0.827	21.00	0.079	2.00	700	50	0.636	0.947	0.642	0.956	14	127
	¾	20	1.059	26.90	1.039	26.40	0.091	2.30	700	50	0.927	1.380	0.934	1.390	14	91
	1	25	1.331	33.80	1.307	33.20	0.102	2.60	700	50	1.330	1.980	1.344	2.000	11	91
	1 ¼	32	1.673	42.50	1.650	41.90	0.102	2.60	700	50	1.707	2.540	1.727	2.570	11	61
	1 ½	40	1.906	48.40	1.882	47.80	0.114	2.90	700	50	2.170	3.230	2.197	3.270	11	61
	2	50	2.370	60.20	2.346	59.60	0.114	2.90	700	50	2.742	4.080	2.789	4.150	11	37
	2 ½	65	2.992	76.00	2.961	75.20	0.126	3.20	700	50	3.837	5.710	3.917	5.830	11	37
	3	80	3.492	88.70	3.461	87.90	0.126	3.20	700	50	4.516	6.720	4.630	6.890	11	37
	4	100	4.484	113.90	4.449	113.00	0.142	3.60	700	50	6.552	9.750	6.720	10.000	11	19



WELDED STEEL PIPE

BS 1387 : Class Medium / Manufacturer's Standard

Class	Nominal Size		Outside Diameter				Wall Thickness		Test Pressure		Weight				Number of Threads per Inch	Pieces per Bundle
			Max		Min						Plain Ends		Threaded and Coupled			
	in	mm	in	mm	in	mm	in	mm	Psi	Bar	lb/ft	kg/m	lb/ft	kg/m		
Medium	½	15	0.854	21.70	0.831	21.10	0.102	2.60	700	50	0.813	1.210	0.820	1.220	14	127
	¾	20	1.071	27.20	1.047	26.60	0.102	2.60	700	50	1.048	1.560	1.055	1.570	14	91
	1	25	1.346	34.20	1.315	33.40	0.126	3.20	700	50	1.619	2.410	1.633	2.430	11	91
	1 ¼	32	1.689	42.90	1.657	42.10	0.126	3.20	700	50	2.083	3.100	2.103	3.130	11	61
	1 ½	40	1.921	48.80	1.890	48.00	0.126	3.20	700	50	2.399	3.570	2.426	3.610	11	61
	2	50	2.394	60.80	2.354	59.80	0.142	3.60	700	50	3.380	5.030	3.427	5.100	11	37
	2 ½	65	3.016	76.60	2.969	75.40	0.142	3.60	700	50	4.321	6.430	4.401	6.550	11	37
	3	80	3.524	89.50	3.469	88.10	0.157	4.00	700	50	5.624	8.370	5.738	8.540	11	37
	4	100	4.524	114.90	4.461	113.30	0.177	4.50	700	50	8.198	12.200	8.399	12.500	11	19
	5	125	5.535	140.60	5.461	138.70	0.197	5.00	700	50	11.154	16.600	11.490	17.100	11	10
6	150	6.539	166.10	6.461	164.10	0.197	5.00	700	50	13.237	19.700	13.641	20.300	11	10	



WELDED STEEL PIPE

BS 1387 : Class Heavy / Manufacturer's Standard

Class	Nominal Size		Outside Diameter				Wall Thickness		Test Pressure		Weight				Number of Threads per Inch	Pieces per Bundle
			Max		Min						Plain Ends		Threaded and Coupled			
	in	mm	in	mm	in	mm	in	mm	Psi	Bar	lb/ft	kg/m	lb/ft	kg/m		
Heavy	½	15	0.854	21.70	0.831	21.10	0.126	3.20	700	50	0.968	1.440	0.974	1.450	14	127
	¾	20	1.071	27.20	1.047	26.60	0.126	3.20	700	50	1.257	1.870	1.263	1.880	14	91
	1	25	1.346	34.20	1.315	33.40	0.157	4.00	700	50	1.976	2.940	1.989	2.960	11	91
	1 ¼	32	1.689	42.90	1.657	42.10	0.157	4.00	700	50	2.553	3.800	2.574	3.830	11	61
	1 ½	40	1.921	48.80	1.890	48.00	0.157	4.00	700	50	2.943	4.380	2.970	4.420	11	61
	2	50	2.394	60.80	2.354	59.80	0.177	4.50	700	50	4.159	6.190	4.206	6.260	11	37
	2 ½	65	3.016	76.60	2.969	75.40	0.177	4.50	700	50	5.329	7.930	5.409	8.050	11	37
	3	80	3.524	89.50	3.469	88.10	0.197	5.00	700	50	6.921	10.300	7.055	10.500	11	37
	4	100	4.524	114.90	4.461	113.30	0.213	5.40	700	50	9.743	14.500	9.945	14.800	11	19
	5	125	5.535	140.60	5.461	138.70	0.213	5.40	700	50	12.028	17.900	12.364	18.400	11	10
6	150	6.539	166.10	6.461	164.10	0.213	5.40	700	50	14.313	21.300	14.716	21.900	11	10	



WELDED STEEL PIPES

Manufacturer's Standard

Class	Nominal Size		Outside Diameter				Wall Thickness		Weight Plain Ends		Pieces per Bundle
	in	mm	Maximum		Minimum		in	mm	lb/ft	kg/m	
			in	mm	in	mm					
Extra Light (AA)	½	15	0.843	21.40	0.827	21.00	0.063	1.60	0.519	0.773	127
	¾	20	1.059	26.90	1.039	26.40	0.063	1.60	0.665	0.990	91
	1	25	1.331	33.80	1.307	33.20	0.075	1.90	0.994	1.480	91
	1 ¼	32	1.673	42.50	1.650	41.90	0.075	1.90	1.270	1.890	61
	1 ½	40	1.906	48.40	1.882	47.80	0.075	1.90	1.451	2.160	61
	2	50	2.370	60.20	2.346	59.60	0.075	1.90	1.828	2.720	37
	2 ½	65	2.992	76.00	2.961	75.20	0.075	1.90	2.318	3.450	37
	3	80	3.492	88.70	3.461	87.90	0.083	2.10	2.997	4.460	37
	3 ½	90	4.016	102.00	3.980	101.10	0.083	2.10	3.461	5.150	19
	4	100	4.484	113.90	4.449	113.00	0.091	2.30	4.240	6.310	19
	5	125	5.535	140.60	5.461	138.70	0.157	4.00	9.004	13.400	10
6	150	6.539	166.10	6.461	164.10	0.157	4.00	10.684	15.900	10	
Cement Lining	4	114.3	4.543	115.40	4.457	113.20	0.146	3.70	6.780	10.090	19
	6	168.3	6.693	170.00	6.559	166.60	0.146	3.70	10.091	15.018	10
	7	177.3	7.051	179.10	6.909	175.50	0.161	4.10	12.915	19.220	7
	8	219.3	8.665	220.10	8.579	217.90	0.161	4.10	14.620	21.757	7



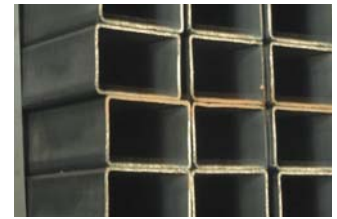
ERW BLACK WELDED STEEL PIPE

ASTM A 53 / A 53M / Weight Class STD and Schedule No 40

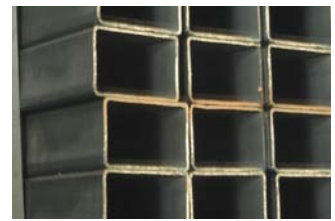
Nominal Size		Outside Diameter		Wall Thickness		Test Pressure		Weight				Number of Threads per Inch	Pieces per Bundle	
								Plain Ends		Threaded and Coupled			21ft	42ft
in	mm	in	mm	in	mm	Psi	Bar	lb/ft	kg/m	lb/ft	kg/m			
½	15	0.840	21.30	0.109	2.77	700	50	0.850	1.270	0.850	1.270	14	120	
¾	20	1.050	26.70	0.113	2.87	700	50	1.130	1.690	1.130	1.690	14	84	
1	25	1.315	33.40	0.133	3.38	700	50	1.680	2.500	1.680	2.500	11 ½	60	
1 ¼	32	1.660	42.20	0.140	3.56	1200	83	2.270	3.390	2.280	3.400	11 ½	42	
1 ½	40	1.900	48.30	0.145	3.68	1200	83	2.720	4.050	2.730	4.040	11 ½	36	
2	50	2.375	60.30	0.154	3.91	2300	159	3.650	5.440	3.680	5.460	11 ½	26	
2 ½	65	2.875	73.00	0.230	5.16	2500	172	5.790	8.630	5.820	8.670	8	18	
3	80	3.500	88.90	0.216	5.49	2220	153	7.580	11.290	7.620	11.350	8	14	7
3 ½	90	4.000	101.60	0.226	5.74	2030	140	9.110	13.570	9.200	13.710	8	12	6
4	100	4.500	114.30	0.237	6.02	1900	131	10.790	16.070	10.890	16.230	8	10	5
5	125	5.563	141.30	0.258	6.55	1670	115	14.620	21.770	14.810	22.070	8	8	4
6	150	6.625	168.30	0.280	7.11	1520	105	18.970	28.260	19.180	28.580	8	7	4

COLD FORMED RECTANGULAR HOLLOW SECTIONS

ASTM A 500 / Manufacturer's Standard



Outside Diameter		Wall Thickness		Weight Plain Ends		Pieces per Bundle
in	mm	in	mm	lb/ft	kg/m	
2 x 1	50 x 25	0.039	1.00	0.766	1.140	50
		0.047	1.20	0.914	1.360	
		0.063	1.60	1.203	1.790	
		0.091	2.30	1.687	2.510	
		0.118	3.00	2.144	3.190	
		0.126	3.20	2.271	3.380	
2 ½ x 1 ½	65 x 38	0.063	1.60	1.673	2.490	50
		0.075	1.90	1.928	2.870	
		0.091	2.30	2.365	3.520	
		0.118	3.00	2.950	4.390	
		0.126	3.20	3.125	4.650	
		0.157	4.00	3.790	5.640	
3 x 1 ½	75 x 38	0.063	1.60	1.821	2.710	50
		0.075	1.90	2.137	3.180	
		0.091	2.30	2.560	3.810	
		0.118	3.00	3.266	4.860	
		0.126	3.20	3.461	5.150	
		0.157	4.00	4.213	6.270	
		0.177	4.50	4.663	6.940	



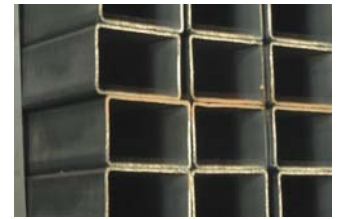
COLD FORMED RECTANGULAR HOLLOW SECTIONS

ASTM A 500 / Manufacturer's Standard

Outside Diameter		Wall Thickness		Weight Plain Ends		Pieces per Bundle
in	mm	in	mm	lb/ft	kg/m	
3 x 2	75 x 50	0.075	1.90	2.379	3.540	40
		0.091	2.30	2.849	4.240	
		0.118	3.00	3.642	5.420	
		0.126	3.20	3.864	5.750	
		0.157	4.00	4.717	7.020	
		0.177	4.50	5.234	7.790	
		0.197	5.00	5.732	8.530	
		0.236	6.00	6.666	9.920	
4 x 2	100 x 50	0.075	1.90	2.883	4.290	20
		0.091	2.30	3.454	5.140	
		0.118	3.00	4.435	6.600	
		0.126	3.20	4.710	7.010	
		0.157	4.00	5.779	8.600	
		0.177	4.50	6.417	9.550	
		0.197	5.00	7.055	10.500	
		0.236	6.00	8.265	12.300	
4 x 3	100 x 75	0.118	3.00	5.228	7.780	20
		0.126	3.20	5.550	8.260	
		0.157	4.00	6.854	10.200	
		0.177	4.50	7.593	11.300	
		0.197	5.00	8.399	12.500	
		0.236	6.00	9.810	14.600	

COLD FORMED RECTANGULAR HOLLOW SECTIONS

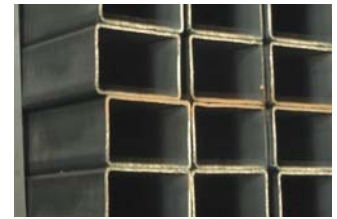
ASTM A 500 / Manufacturer's Standard



Outside Diameter		Wall Thickness		Weight Plain Ends		Pieces per Bundle
in	mm	in	mm	lb/ft	kg/m	
5 x 2	125 x 50	0.118	3.00	5.228	7.780	20
		0.126	3.20	5.550	8.260	
		0.157	4.00	6.854	10.200	
		0.177	4.50	7.593	11.300	
		0.197	5.00	8.399	12.500	
		0.236	6.00	9.810	14.600	
5 x 3	125 x 75	0.118	3.00	6.021	8.960	15
		0.126	3.20	6.397	9.520	
		0.157	4.00	7.862	11.700	
		0.177	4.50	8.803	13.100	
		0.197	5.00	9.676	14.400	
		0.236	6.00	11.423	17.000	
6 x 2	150 x 50	0.118	3.00	6.021	8.960	15
		0.126	3.20	6.397	9.520	
		0.157	4.00	7.862	11.700	
		0.177	4.50	8.803	13.100	
		0.197	5.00	9.676	14.400	
		0.236	6.00	11.423	17.000	

COLD FORMED RECTANGULAR HOLLOW SECTIONS

ASTM A 500 / Manufacturer's Standard



Outside Diameter		Wall Thickness		Weight Plain Ends		Pieces per Bundle
in	mm	in	mm	lb/ft	kg/m	
6 x 3	150 x 75	0.118	3.00	6.787	10.100	15
		0.126	3.20	7.257	10.800	
		0.157	4.00	8.937	13.300	
		0.177	4.50	10.012	14.900	
		0.197	5.00	11.020	16.400	
		0.236	6.00	12.969	19.300	
6 x 4	150 x 100	0.157	4.00	10.012	14.900	12
		0.177	4.50	11.154	16.600	
		0.197	5.00	12.297	18.300	
		0.236	6.00	14.581	21.700	
8 x 4	200 x 100	0.157	4.00	12.095	18.000	12
		0.177	4.50	13.573	20.200	
		0.197	5.00	14.984	22.300	
		0.236	6.00	17.739	26.400	



COLD FORMED SQUARE HOLLOW SECTIONS

ASTM A 500 / Manufacturer's Standard

Outside Diameter		Wall Thickness		Weight Plain Ends		Pieces per Bundle
in	mm	in	mm	lb/ft	kg/m	
5/8 x 5/8	16 x 16	0.039	1.00	0.312	0.464	100
		0.047	1.20	0.368	0.548	
		0.063	1.60	0.474	0.706	
3/4 x 3/4	19 x 19	0.039	1.00	0.376	0.559	100
		0.047	1.20	0.444	0.661	
		0.063	1.60	0.576	0.857	
1 x 1	25 x 25	0.039	1.00	0.502	0.747	100
		0.047	1.20	0.596	0.887	
		0.063	1.60	0.779	1.160	
		0.071	1.80	0.867	1.290	
		0.091	2.30	1.075	1.600	
		0.118	3.00	1.351	2.010	
		0.126	3.20	1.425	2.120	



COLD FORMED SQUARE HOLLOW SECTIONS

ASTM A 500 / Manufacturer's Standard

Outside Diameter		Wall Thickness		Weight Plain Ends		Pieces per Bundle
in	mm	in	mm	lb/ft	kg/m	
1 $\frac{3}{16}$ x 1 $\frac{3}{16}$	30 x 30	0.047	1.20	0.726	1.080	100
		0.063	1.60	0.947	1.410	
		0.071	1.80	1.055	1.570	
		0.091	2.30	1.324	1.970	
		0.118	3.00	1.666	2.480	
		0.126	3.20	1.761	2.620	
1 $\frac{1}{4}$ x 1 $\frac{1}{4}$	32 x 32	0.047	1.20	0.773	1.150	100
		0.063	1.60	1.015	1.510	
		0.071	1.80	1.136	1.690	
		0.079	2.00	1.250	1.860	
		0.091	2.30	1.418	2.110	
		0.118	3.00	1.794	2.670	
1 $\frac{1}{2}$ x 1 $\frac{1}{2}$	38 x 38	0.047	1.20	0.927	1.380	64
		0.063	1.60	1.216	1.810	
		0.071	1.80	1.357	2.020	
		0.079	2.00	1.498	2.230	
		0.091	2.30	1.707	2.540	
		0.118	3.00	2.177	3.240	
0.126	3.20	2.305	3.430			



COLD FORMED SQUARE HOLLOW SECTIONS

ASTM A 500 / Manufacturer's Standard

Outside Diameter		Wall Thickness		Weight Plain Ends		Pieces per Bundle
in	mm	in	mm	lb/ft	kg/m	
2 x 2	50 x 50	0.063	1.60	1.619	2.410	49
		0.071	1.80	1.814	2.700	
		0.091	2.30	2.291	3.410	
		0.118	3.00	2.856	4.250	
		0.126	3.20	3.024	4.500	
		0.157	4.00	3.662	5.450	
		0.177	4.50	4.045	6.020	
		0.197	5.00	4.408	6.560	
		0.236	6.00	5.080	7.560	
2 ½ x 2 ½	65 x 65	0.091	2.30	2.970	4.420	36
		0.118	3.00	4.435	6.600	
		0.126	3.20	4.710	7.010	
		0.157	4.00	5.779	8.600	
		0.177	4.50	6.417	9.550	
		0.197	5.00	7.055	10.500	
		0.236	6.00	8.265	12.300	
3 ½ x 3 ½	90 x 90	0.091	2.30	4.186	6.230	25
		0.118	3.00	5.382	8.010	
		0.126	3.20	5.725	8.520	
		0.157	4.00	7.055	10.500	
		0.177	4.50	7.862	11.700	
		0.197	5.00	8.601	12.800	
		0.236	6.00	10.146	15.100	



COLD FORMED SQUARE HOLLOW SECTIONS

ASTM A 500 / Manufacturer's Standard

Outside Diameter		Wall Thickness		Weight Plain Ends		Pieces per Bundle
in	mm	in	mm	lb/ft	kg/m	
4 x 4	100 x 100	0.091	2.30	4.670	6.950	16
		0.118	3.00	6.021	8.960	
		0.126	3.20	6.397	9.520	
		0.157	4.00	7.862	11.700	
		0.177	4.50	8.803	13.100	
		0.197	5.00	9.676	14.400	
		0.236	6.00	11.423	17.000	
5 x 5	125 x 125	0.118	3.00	7.593	11.300	16
		0.126	3.20	8.063	12.000	
		0.157	4.00	10.012	14.900	
		0.177	4.50	11.154	16.600	
		0.197	5.00	12.297	18.300	
		0.236	6.00	14.581	21.700	
6 x 6	150 x 150	0.118	3.00	9.206	13.700	9
		0.126	3.20	9.743	14.500	
		0.157	4.00	12.095	18.000	
		0.177	4.50	13.573	20.200	
		0.197	5.00	14.984	22.300	
		0.236	6.00	17.739	26.400	
7 x 7	175 x 175	0.157	4.00	14.245	21.200	9
		0.177	4.50	15.925	23.700	
		0.197	5.00	18.949	28.200	
		0.236	6.00	20.898	31.100	



CARBON STEEL PIPES FOR ORDINARY PIPING

JIS G 3452 - Grade SGP / Manufacturer's Standard

Nominal Size		Outside Diameter		Wall Thickness		Weight Plain Ends		Pieces per Bundle
in	mm	in	mm	in	mm	lb/ft	kg/m	
½	15	0.854	21.70	0.110	2.80	0.880	1.310	127
¾	20	1.071	27.20	0.110	2.80	1.129	1.680	91
1	25	1.339	34.00	0.126	3.20	1.633	2.430	91
1 ¼	32	1.681	42.70	0.138	3.50	2.271	3.380	61
1 ½	40	1.913	48.60	0.138	3.50	2.614	3.890	61
2	50	2.382	60.50	0.150	3.80	3.568	5.310	37
2 ½	65	3.004	76.30	0.165	4.20	5.019	7.470	37
3	80	3.508	89.10	0.165	4.20	5.906	8.790	37
3 ½	90	4.000	101.60	0.165	4.20	6.787	10.100	19
4	100	4.500	114.30	0.177	4.50	8.198	12.200	19
5	125	5.504	139.80	0.177	4.50	10.079	15.000	10
6	150	6.504	165.20	0.197	5.00	13.305	19.800	10
7	175	7.508	190.70	0.209	5.30	16.261	24.200	7
8	200	8.516	216.30	0.228	5.80	20.226	30.100	7



CARBON STEEL TUBES FOR GENERAL STRUCTURAL PURPOSE

JIS G 3444 - Grade STK / Manufacturer's Standard

Outside Diameter		Wall Thickness		Weight Plain Ends		Pieces per Bundle
in	mm	in	mm	lb/ft	kg/m	
0.854	21.70	0.079	2.00	0.653	0.972	127
1.071	27.20	0.079	2.00	0.833	1.240	91
		0.091	2.30	0.947	1.410	
1.339	34.00	0.091	2.30	1.210	1.800	91
1.681	42.70	0.091	2.30	1.539	2.290	61
		0.098	2.50	1.613	2.490	
		0.110	2.80	5.019	2.760	
1.913	48.60	0.091	2.30	1.767	2.630	61
		0.098	2.50	1.908	2.840	
		0.110	2.80	2.123	3.160	
		0.126	3.20	2.406	3.580	
2.382	60.50	0.091	2.30	2.217	3.300	37
		0.126	3.20	3.037	4.520	
		0.157	4.00	3.743	5.570	
3.004	76.30	0.110	2.80	3.414	5.080	37
		0.126	3.20	3.877	5.770	
		0.157	4.00	4.791	7.130	
3.508	89.10	0.110	2.80	4.005	5.960	37
		0.126	3.20	4.556	6.780	
		0.157	4.00	5.638	8.390	



CARBON STEEL TUBES FOR GENERAL STRUCTURAL PURPOSE

JIS G 3444 - Grade STK / Manufacturer's Standard

Outside Diameter		Wall Thickness		Weight Plain Ends		Pieces per Bundle
in	mm	in	mm	lb/ft	kg/m	
4.000	101.60	0.126	3.20	5.214	7.760	19
		0.157	4.00	6.471	9.630	
		0.197	5.00	7.996	11.900	
4.500	114.30	0.126	3.20	5.893	8.770	19
		0.142	3.60	6.437	9.580	
		0.177	4.50	8.198	12.200	
		0.220	5.60	10.079	15.000	
5.504	139.80	0.142	3.60	8.131	12.100	10
		0.157	4.00	9.004	13.400	
		0.177	4.50	10.079	15.000	
		0.236	6.00	13.305	19.800	
6.504	165.20	0.177	4.50	11.961	17.800	10
		0.197	5.00	13.305	19.800	
		0.236	6.00	15.858	23.600	
		0.276	7.00	18.344	27.300	
7.508	190.70	0.177	4.50	13.909	20.700	7
		0.197	5.00	16.261	24.200	
		0.236	6.00	18.344	27.300	
		0.276	7.00	21.301	31.700	
8.516	216.30	0.177	4.50	15.791	23.500	7
		0.236	6.00	20.898	31.100	
		0.276	7.00	24.257	36.100	



CARBON STEEL TUBES FOR MACHINE STRUCTURAL USE

JIS G 3445 - Grade STKM11A / Manufacturer's Standard

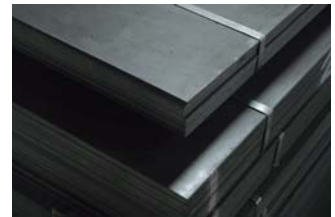
Nominal Size		Outside Diameter		Wall Thickness		Weight Plain Ends		Pieces per Bundle
in	mm	in	mm	in	mm	lb/ft	kg/m	
5/8	16	0.626	15.90	0.039	1.00	0.247	0.368	271
				0.047	1.20	0.292	0.435	
				0.055	1.40	0.337	0.501	
				0.063	1.60	0.379	0.564	
3/4	19	0.752	19.10	0.039	1.00	0.300	0.447	169
				0.047	1.20	0.356	0.530	
				0.055	1.40	0.411	0.611	
				0.063	1.60	0.464	0.691	
7/8	22	0.874	22.20	0.039	1.00	0.351	0.523	127
				0.047	1.20	0.418	0.622	
				0.055	1.40	0.482	0.718	
				0.063	1.60	0.546	0.813	
1	25	1.000	25.40	0.039	1.00	0.405	0.602	91
				0.047	1.20	0.481	0.716	
				0.055	1.40	0.557	0.829	
				0.063	1.60	0.631	0.939	
1 1/8	28	1.126	28.60	0.039	1.00	0.458	0.681	91
				0.047	1.20	0.545	0.811	
				0.055	1.40	0.631	0.939	
				0.063	1.60	0.716	1.066	



CARBON STEEL TUBES FOR MACHINE STRUCTURAL USE

JIS G 3445 - Grade STKM11A / Manufacturer's Standard

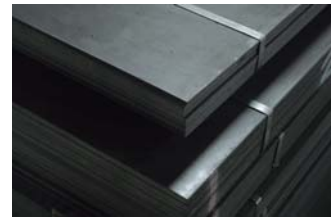
Nominal Size		Outside Diameter		Wall Thickness		Weight Plain Ends		Pieces per Bundle
in	mm	in	mm	in	mm	lb/ft	kg/m	
1 ¼	32	1.252	31.80	0.039	1.00	0.511	0.760	91
				0.047	1.20	0.609	0.906	
				0.055	1.40	0.706	1.050	
				0.063	1.60	0.801	1.192	
1 ½	38	1.500	38.10	0.047	1.20	0.734	1.092	61
				0.055	1.40	0.851	1.267	
				0.063	1.60	0.968	1.440	
				0.071	1.80	1.083	1.612	
				0.079	2.00	1.197	1.781	
2	50	2.000	50.80	0.047	1.20	0.986	1.468	37
				0.055	1.40	1.146	1.705	
				0.063	1.60	1.305	1.942	
				0.071	1.80	1.461	2.175	
				0.079	2.00	1.617	2.407	
2 ⅜	60	2.374	60.30	0.063	1.60	1.556	2.316	37
				0.071	1.80	1.745	2.597	
				0.079	2.00	1.933	2.876	
3	80	3.000	76.20	0.063	1.60	2.012	2.994	37
				0.071	1.80	2.219	3.303	
				0.079	2.00	2.459	3.660	



HOT-ROLLED STEEL PLATES & SHEETS

JIS G 3131 - SPHC / JIS G 3101 - SS400 / Manufacturer's Standard

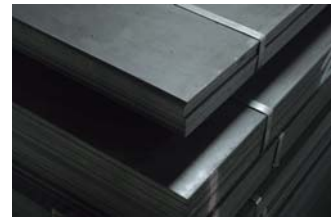
Thickness		Width & Length								
		4ft X 8ft 1219mm X 2438mm			5ft X 10ft 1524mm X 3048mm			5ft X 20ft 1524mm X 6096mm		
in	mm	Weight		Pieces Per Bundle	Weight		Pieces Per Bundle	Weight		Pieces per Bundle
		lb/pcs	kg/pcs		lb/pcs	kg/pcs		lb/pcs	kg/pcs	
0.047	1.20	61.720	27.996	71						
0.055	1.40	72.004	32.661	61						
0.059	1.50	77.148	34.994	57						
0.063	1.60	82.291	37.327	53						
0.071	1.80	92.578	41.993	47						
0.075	1.90	97.721	44.326	45						
0.079	2.00	102.864	46.659	43						
0.087	2.20	113.151	51.325	39						
0.091	2.30	118.294	53.658	37						
0.098	2.50	128.581	58.324	34	200.974	91.161	22	401.947	182.322	11
0.110	2.80	144.011	65.323	30	225.090	102.100	19	450.182	204.201	10
0.114	2.90	149.154	67.656	29	233.130	105.747	19	466.260	211.494	9
0.118	3.00	154.298	69.989	28	241.168	109.393	18	482.338	218.787	9
0.126	3.20	164.584	74.655	26	257.246	116.686	17	514.492	233.372	8
0.150	3.80	195.442	88.652	22	305.480	138.565	14	610.961	277.130	7
0.157	4.00	205.729	93.318	21	321.559	145.858	13	643.117	291.716	7
0.169	4.30	221.159	100.317	20	345.675	156.797	12	691.349	313.594	6
0.177	4.50	231.446	104.983	19	361.753	164.090	12	723.506	328.180	6
0.197	5.00	257.162	116.648	17	401.947	182.322	11	803.894	364.644	5
0.228	5.80	298.309	135.312	14	466.260	211.494	9	932.519	422.988	4
0.236	6.00	308.595	139.978	14	482.338	218.787	9	964.673	437.573	4
0.295	7.50	385.743	174.972	11	602.921	273.483	7	1205.843	546.967	3
0.315	8.00	411.460	186.637	10	643.117	291.716	7	1286.232	583.431	3
0.354	9.00	462.891	209.966	9	723.506	328.180	6	1447.011	656.360	2
0.394	10.00	514.324	233.296	8	803.894	364.644	5	1607.791	729.289	2
0.433	11.00	565.755	256.625	7	884.285	401.109	5	1768.570	802.218	2
0.472	12.00	617.189	279.955	7	964.673	437.573	4	1929.349	875.147	2



COLD-ROLLED STEEL SHEETS

JIS G 3141 - SPCC / Manufacturer's Standard

Thickness		Width & Length		
		4ft X 8ft 1219mm X 2438mm		
in	mm	Weight		Pieces Per Bundle
		lb/pcs	kg/pcs	
0.020	0.50	25.695	11.655	171
0.022	0.55	28.287	12.831	156
0.024	0.60	30.860	13.998	143
0.026	0.65	33.431	15.164	132
0.028	0.70	36.003	16.331	122
0.031	0.80	41.147	18.664	107
0.033	0.85	43.717	19.830	101
0.035	0.90	46.290	20.997	95
0.039	1.00	51.433	23.330	85
0.043	1.10	56.577	25.663	78
0.047	1.20	61.720	27.996	71
0.055	1.40	72.004	32.661	61
0.057	1.45	74.557	33.828	59

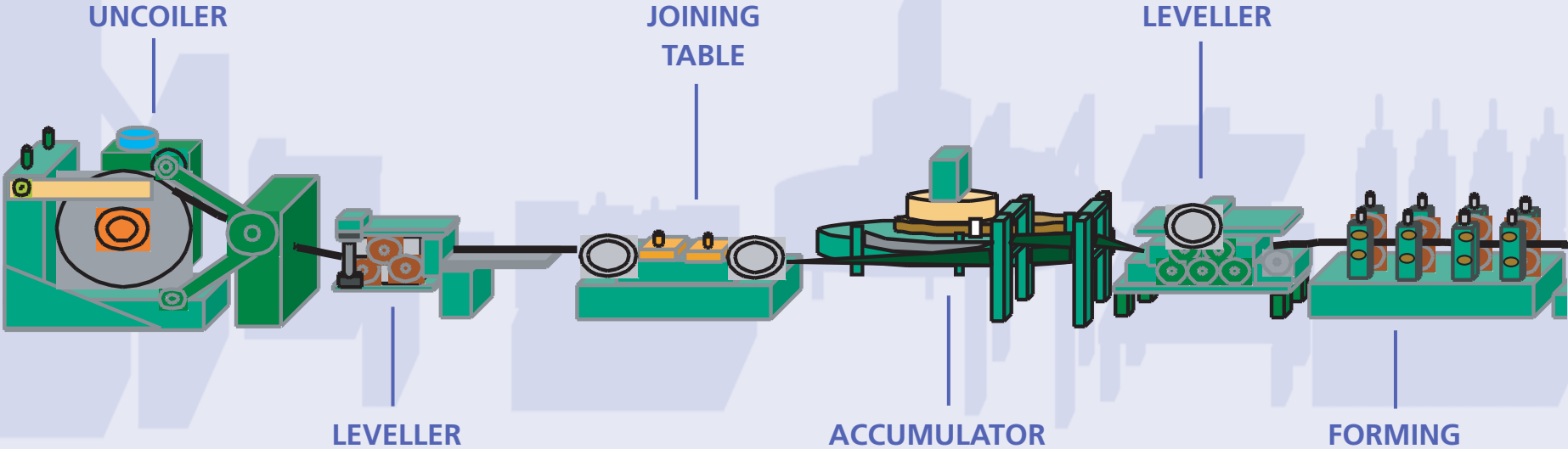


COLD-ROLLED STEEL SHEETS

JIS G 3141 - SPCC / Manufacturer's Standard

Thickness		Width & Length		
		4ft X 8ft 1219mm X 2438mm		
in	mm	Weight		Pieces Per Bundle
		lb/pcs	kg/pcs	
0.059	1.50	77.148	34.994	57
0.061	1.55	79.721	36.161	55
0.063	1.60	82.291	37.327	53
0.071	1.80	92.578	41.993	47
0.075	1.90	97.721	44.326	45
0.079	2.00	102.864	46.659	43
0.087	2.20	113.151	51.325	39
0.091	2.30	118.294	53.658	37
0.098	2.50	128.581	58.324	34
0.102	2.60	133.724	60.657	33
0.110	2.80	144.011	65.323	30
0.114	2.90	149.154	67.656	29
0.118	3.00	154.298	69.989	28

PIPE MILL PROCESS FLOW



HIGH FREQUENCY
WELDER & WELD
BEAD TRIMMER

SIZING ROLLS &
EDDY CURRENT

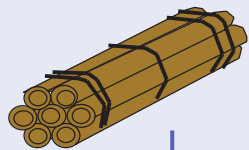
END FACING

COOLING

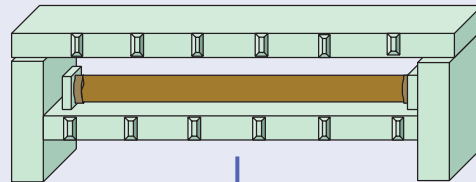
ELECTRONIC
RUNNING CUTTER

PACKING &
MARKING

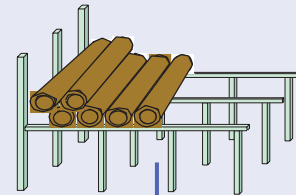
HYDROTEST LINE



PACKING &
MARKING

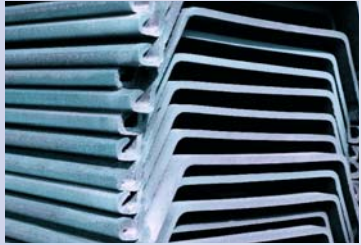


HYDROSTATIC
TESTING



RECEIVING
RACK

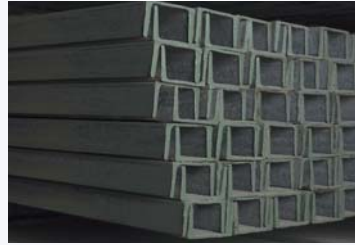
OTHER TRADING PRODUCTS



Steel Sheet Piles



Beams



MS Channels



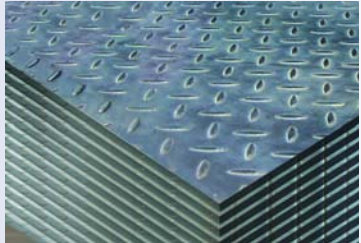
Angle Bars



MS Plates



Flat Bars



Chequered Plates



**Cold Drawn
Polished Shafts
(Mild Steel Bars)**



**Cold Drawn
Polished Shafts
(Stainless Steel)**



**Carbon Steel
Pipes Fitting**



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