

Cold Rolled Furniture Pipe
Circular Hollow Section
Pipe Standard : SPIM B103

1. Chemical Composition (%)

C	Si	Mn	P	S
max	max	max	max	max
0.12	0.35	0.60	0.04	0.04

2. Mechanical Properties

Yield Strength	Tensile Strength	Elongation
270 N/mm ² (min)	-	30 (min)%

3. Pipe end : Plain end

4. Thickness Tolerance : +/- 20 %

5. Sizes

NOMINAL SIZE		OUTSIDE DIAMETER				WALL THICKNESS		LENGTH		WEIGHT			BUNDLING
		maximum		minimum									
inch	mm	inch	mm	inch	mm	inch	mm	meter	ft	kg/m	kg/ft	lb/ft	pieces
3/8	9	0.382	9.7	0.366	9.3	0.024	0.6	6	20	0.132	0.040	0.088	271
						0.031	0.8	6	20	0.172	0.052	0.115	271
						0.035	0.9	6	20	0.191	0.058	0.128	271
						0.039	1.0	6	20	0.210	0.064	0.141	271
1/2	12	0.508	12.9	0.492	12.5	0.031	0.8	6	20	0.235	0.072	0.158	271
						0.035	0.9	6	20	0.262	0.080	0.176	271
						0.039	1.0	6	20	0.289	0.088	0.194	271
5/8	16	0.634	16.1	0.618	15.7	0.039	1.0	6	20	0.368	0.112	0.247	271
						0.047	1.2	6	20	0.435	0.133	0.293	271
	18	0.717	18.2	0.701	17.8	0.039	1.0	6	20	0.419	0.128	0.281	271
						0.047	1.2	6	20	0.497	0.152	0.334	271
3/4	19	0.760	19.3	0.744	18.9	0.039	1.0	6	20	0.447	0.136	0.300	271
						0.047	1.2	6	20	0.530	0.162	0.357	271
	20	0.795	20.2	0.780	19.8	0.039	1.0	6	20	0.468	0.143	0.314	271
						0.047	1.2	6	20	0.556	0.170	0.374	271
7/8	22	0.882	22.4	0.866	22.0	0.039	1.0	6	20	0.523	0.159	0.351	271
						0.047	1.2	6	20	0.622	0.189	0.417	271
1	25	1.008	25.6	0.992	25.5	0.039	1.0	6	20	0.602	0.183	0.404	169
						0.047	1.2	6	20	0.716	0.218	0.481	169
	28	1.110	28.2	1.094	27.8	0.039	1.0	6	20	0.666	0.203	0.447	271
						0.047	1.2	6	20	0.793	0.242	0.533	271
1 1/4	32	1.260	32.0	1.244	31.6	0.039	1.0	6	20	0.758	0.232	0.512	271
						0.047	1.2	6	20	0.906	0.276	0.609	271
1 1/2	38	1.508	38.3	1.492	37.9	0.039	1.0	6	20	0.915	0.279	0.615	271
						0.047	1.2	6	20	1.092	0.333	0.734	271
2	50	2.008	51.0	1.922	50.6	0.039	1.0	6	20	1.228	0.374	0.825	61
						0.047	1.2	6	20	1.468	0.447	0.986	61



Address:

Southern Pipe Industry (M) Sdn Bhd
 4457, Jalan Chain Ferry,
 12100 Butterworth, Penang, Malaysia

Phone: (604) 3317741

(604) 3317393 ext 2201

Fax: (604) 3310942

Web: www.southsteel.com

Cold Rolled Furniture Pipe
Square & Rectangular Hollow Section
Pipe Standard : SPIM A100

1. Chemical Composition (%)

C	Si	Mn	P	S
max	max	max	max	max
0.12	-	0.50	0.04	0.045

2. Mechanical Properties

Yield Strength	Tensile Strength	Elongation
270 N/mm ² (min)	-	30 (min)%

3. Pipe end : Plain end

4. Thickness Tolerance : +/- 20 %

5. Sizes

NOMINAL SIZE		OUTSIDE DIAMETER				WALL THICKNESS		LENGTH		WEIGHT			BUNDLING
inch	mm	maximum		minimum		inch	mm	meter	ft	kg/m	kg/ft	lb/ft	pieces
½ x ½	12 x 12	0.508 x 0.508	12.9 x 12.9	0.492 x 0.492	12.5 x 12.5	0.039	1.0	6	20	0.357	0.109	0.240	225
5/8 x 5/8	16 x 16	0.634 x 0.634	16.1 x 16.1	0.618 x 0.618	15.7 x 15.7	0.039	1.0	6	20	0.456	0.139	0.306	225
						0.047	1.2	6	20	0.540	0.165	0.363	225
¾ x ¾	19 x 19	0.760 x 0.760	19.3 x 19.3	0.744 x 0.744	18.9 x 18.9	0.039	1.0	6	20	0.555	0.169	0.373	225
						0.047	1.2	6	20	0.659	0.201	0.443	225
1 x 1	25 x 25	1.008 x 1.008	25.6 x 25.6	0.992 x 0.992	25.2 x 25.2	0.039	1.0	6	20	0.752	0.229	0.505	150
						0.047	1.2	6	20	0.897	0.273	0.603	150
1 ¼ x 1 ¼	32 x 32	1.260 x 1.260	32.0 x 32.0	1.244 x 1.244	31.6 x 31.6	0.039	1.0	6	20	0.967	0.295	0.650	100
						0.047	1.2	6	20	1.153	0.351	0.774	100
1 ½ x 1 ½	38 x 38	1.508 x 1.508	38.3 x 38.3	1.492 x 1.492	37.9 x 37.9	0.039	1.0	6	20	1.165	0.355	0.783	100
						0.047	1.2	6	20	1.390	0.424	0.935	100
½ x 1	12 x 25	0.508 x 1.008	12.9 x 25.6	0.492 x 0.992	12.5 x 25.2	0.039	1.0	6	20	0.555	0.169	0.373	200
						0.047	1.2	6	20	0.659	0.201	0.443	200
¾ x 1 ½	19x 38	0.760 x 1.508	19.3 x 38.3	0.744 x 1.492	18.9 x 37.9	0.039	1.0	6	20	0.783	0.239	0.526	120
						0.047	1.2	6	20	1.014	0.309	0.681	120
1 x 2	25 x 50	1.008 x 2.008	25.6 x 51.0	0.992 x 1.992	25.2 x 50.6	0.039	1.0	6	20	1.150	0.351	0.773	96
						0.047	1.2	6	20	1.370	0.418	0.921	96



Address:

Southern Pipe Industry (M) Sdn Bhd
 4457, Jalan Chain Ferry,
 12100 Butterworth, Penang, Malaysia
 Phone: (604) 3317741
 (604) 3317393 ext 2201

Fax: (604) 3310942

Web: www.southsteel.com