



CSI
800.654.5635
sales@csidesigns.com

Pipe Schedules

Size (inches)	OD	Schedule 5		Schedule 10		Schedule 40		Schedule 80	
		ID	Wall Thickness	ID	Wall Thickness	ID	Wall Thickness	ID	Wall Thickness
1/8	0.405	0.335	0.035	0.307	0.049	0.269	0.068	0.215	0.095
1/4	0.540	0.442	0.049	0.410	0.065	0.364	0.088	0.302	0.119
3/8	0.675	0.577	0.049	0.545	0.065	0.493	0.091	0.423	0.126
1/2	0.840	0.710	0.065	0.674	0.083	0.622	0.109	0.546	0.147
3/4	1.050	0.920	0.065	0.884	0.083	0.824	0.113	0.742	0.154
1	1.315	1.185	0.065	1.097	0.109	1.049	0.133	0.957	0.179
1 1/4	1.660	1.530	0.065	1.442	0.109	1.380	0.140	1.278	0.191
1 1/2	1.900	1.770	0.065	1.682	0.109	1.610	0.145	1.500	0.200
2	2.375	2.245	0.065	2.157	0.109	2.067	0.154	1.939	0.218
2 1/2	2.875	2.709	0.083	2.635	0.120	2.469	0.203	2.323	0.276
3	3.500	3.334	0.083	3.260	0.120	3.068	0.216	2.900	0.300
3 1/2	4.000	3.834	0.083	3.760	0.120	3.548	0.226	3.364	0.318
4	4.500	4.334	0.083	4.260	0.120	4.026	0.237	3.826	0.337
5	5.563	5.345	0.109	5.295	0.134	5.047	0.258	4.813	0.375
6	6.625	6.407	0.109	6.357	0.134	6.065	0.280	5.761	0.432
8	8.625	8.407	0.109	8.329	0.148	7.981	0.322	7.625	0.500

Tube Bending Radii

OD	Radius
1/4"	5/8"
3/8"	15/16"
1/2"	1-1/2"
5/8"	2-1/4"
3/4"	3-3/4"
1"	3-3/4"

Stainless Steel Metal Gauges

GA	DEC	#/sq. ft.
22	.0293	1.23
20	.0355	1.49
19	.0420	1.76
18	.0480	2.02
16	.0595	2.50
14	.0751	3.15
13	.0900	3.78
12	.1054	4.43
11	.1200	5.04
10	.1350	5.67
8	.1650	6.93
7	.1874	7.87
-	.2500	11.16

Quick Ref. Polish Code

1	Unpolished ID Unpolished OD
3	Polished ID Unpolished OD
5	Unpolished ID Polished OD
7	Polished ID Polished OD

Tube Schedules

OD Size	Wall Thickness	Gauge	#/Linear ft.
1/4"	.035"	20	.0804
3/8"	.035"	20	.1271
1/2"	.065"	16	.3020
3/4"	.065"	16	.4755
1"	.065"	16	.6491
1 1/2"	.065"	16	.9962
2"	.065"	16	1.343
2 1/2"	.065"	16	1.690
3"	.065"	16	2.037
4"	.083"	14	3.472
6"	.109"	12	7.536
8"	.109"	12	
10"	.134"	10	
12"	.134"	10	

Decimal and Millimeter Equivalents

4ths	8ths	16ths	32nds	64ths	4 places	3 places	2 places	mm
				1/64	.0156	.016	.02	.397
			1/32	3/64	.0312	.031	.03	.794
		1/16		5/64	.0625	.062	.06	1.588
			3/32	7/64	.0938	.094	.09	2.381
	1/8			9/64	.1250	.125	.12	3.175
			5/32	11/64	.1562	.156	.16	3.969
		3/16		13/64	.1875	.188	.19	4.762
			7/32	15/64	.2188	.219	.22	5.556
	1/4			17/64	.2500	.250	.25	6.350
			9/32	19/64	.2812	.281	.28	7.144
		5/16		21/64	.3125	.312	.31	7.938
			11/32	23/64	.3438	.344	.34	8.731
		3/8		25/64	.3750	.375	.38	9.525
			13/32	27/64	.4062	.406	.41	10.319
			7/16	29/64	.4375	.438	.44	11.112
			15/32	31/64	.4688	.469	.47	11.906
				33/64	.5000	.500	.50	12.700
			17/32	35/64	.5312	.531	.53	
		9/16		37/64	.5625	.562	.56	
			19/32	39/64	.5938	.594	.59	
		5/8		41/64	.6250	.625	.62	
			21/32	43/64	.6562	.656	.66	
			11/16	45/64	.6875	.688	.69	
			23/32	47/64	.7188	.719	.72	
	3/4			49/64	.7500	.750	.75	
			25/32	51/64	.7812	.781	.78	
			13/16	53/64	.8125	.812	.81	
				55/64	.8438	.844	.84	
		7/8		57/64	.8750	.875	.88	
			29/32	59/64	.9062	.906	.91	
			15/16	61/64	.9375	.938	.94	
			31/32	63/64	.9688	.969	.97	
					.9844	.984	.98	
					1.0000	1.000	1.00	

Surface Finish Code	ID or Product Contact Surface		OD or Product Noncontact Surfaces (material and weld finish)
	Maximum Surface Roughness (Ra)	Mechanical Polish and Electropolishing Where Indicated	
PC	20 Ra max. -(approx. 180 grit)	Mechanical Polished	Unpolished material - Weld color cleaned
PD	15 Ra max. -(approx. 240 grit)	Mechanical Polished and Electropolished	Unpolished material - Weld color cleaned
PG	15 Ra max. -(approx. 240 grit)	Mechanical Polished	Unpolished material - Weld color cleaned
PJ	10 Ra max. -(approx. 320 grit)	Mechanical Polished and Electropolished	Unpolished material - Weld color cleaned
PL	20 Ra max. -(approx. 180 grit)	Mechanical Polished	Material and weld Mechanical Polished 32 Ra Max. - (approx. 150 grit)
PM	15 Ra max. -(approx. 240 grit)	Mechanical Polished and Electropolished	Material and weld Mechanical Polished 32 Ra Max. - (approx. 150 grit)
PP	15 Ra max. -(approx. 240 grit)	Mechanical Polished	Material and weld Mechanical Polished 32 Ra Max. - (approx. 150 grit)
PR	10 Ra max. -(approx. 320 grit)	Mechanical Polished and Electropolished	Material and weld Mechanical Polished 32 Ra Max. - (approx. 150 grit)
PU	—	Unpolished material - Weld color cleaned	Unpolished material - Weld color cleaned

Size	Wall	2WCL	L2S	BPE		BPE		BPE		BPE		Hose Barbs		True Y		Lateral				Size
				B2S	2WK	B2KS	B7- WWW	14WMP	L14AM	BS- 14AM	19WB	14MPHRX L "DAL"	"DAL"	28BW	28BMP	28AMP		28WA		
														"Arm/Leg"	"Arm/Leg"	"Run"	"Branch"	"Run"	"Branch"	
1/2	.065	—	—	3	—	2 1/4	1 7/8	1/2	7/8	1 3/4	—	2 1/4	1 3/4 F0036	—	—	—	—	—	—	1/2
3/4	.065	1 1/8	—	3	5/8	2 1/4	12	1/2	7/8	1 3/4	1 5/8	2 1/4	1 3/4 F0037	—	—	—	—	—	—	3/4
1	.065	1 1/2	2 1/16	3	5/8	2 1/4	2 1/8	1/2	1 1/8	1 3/4	1 3/4	3 1/2	3 F0021	2	2 1/2	8 1/2	5 1/2	7 1/2	5	1
1 1/2	.065	2 1/4	2 15/16	3 3/4	15/16	2 1/2	2 3/8	1/2	1 1/8	1 3/4	1 3/4	3 1/2	3 F0022	3	3 1/2	8 1/2	5 1/2	7 1/2	5	1 1/2
2	.065	3	4 1/16	4 3/4	1 1/4	3	2 7/8	1/2	1 1/8	2 1/4	1 13/16	3 1/2	3 F0024	4	4 1/2	10	6 1/2	9	6	2
2 1/2	.065	3 3/4	5 3/16	5 1/2	1 9/16	3 3/8	3 1/8	1/2	1 1/8	2 1/4	2 15/16	3 1/2	3 F0040	4 1/2	5	10 3/4	7	9 3/4	6 1/2	2 1/2
3	.065	4 1/2	6 5/16	6 1/4	1 7/8	3 5/8	3 3/8	1/2	1 1/8	2 1/4	2 1/2	3 1/2	3 F0025	5	5 1/2	11 1/2	7 1/2	10 1/2	7	3
4	.083	6	—	8	2 1/2	4 1/2	4 1/8	5/8	1 1/8	2 1/4	2 9/16	—	—	7	7 5/8	14 3/4	9 5/8	13 1/2	9	4
6	.109	9	—	—	3 3/4	—	—	1 1/2	—	—	—	—	—	10	11 1/2	23	15 1/2	20	14	6