

A500 Pipe Size vs. A53 Pipe



More and more manufacturers, fabricators, architects and builders are switching to A500 Pipe Size tubing for structural applications that do not require hydrostatic testing.

Independence Tube's A500 Pipe Size tubing offers many advantages over standard A53 pipe:

- Higher strength to weight ratio
- Closer O.D., wall and straightness tolerances
- Superior finish—no lacquer coating
- Superior weldability
- Easier fabrication
- Custom lengths from 20' to 75' (varies by size)
- Reliable/on-time rolling cycles

All of which equals cost savings

Independence Tube's A500 Pipe size tubing can be used for a wide variety of structural applications

Handrails
Frames
Towers
Columns

Construction
Bracing
Rollers
Scaffolding

		A500 Grade C	A53 Grade B
Strength	Yield , PSI	46,000	35,000
	Tensile, PSI	62,000	60,000
	Elongation % min	21	Varies
Tolerances	Outside Diameter	<1.900" +/- .50%	+/- 1%
		>1.900" +/- .75%	
	Wall thickness	+/- 10%	-12.5%
	Straightness	1/8" X length (in feet) divided by 5	None Specified
Pressure Tested		None specified	Hydrostatic

Call your Account Representative for floor stock availability or go on-line at www.independencetube.com.



A500 Pipe Size—Rounds

A500 Size Chart and Weight per Foot

A500 Rounds			Pipe Size		Schedule							
OD	Min Gauge	Max Gauge			10	40	STD	60	80	100	120	EXH
1.660"	.109"	.140"	1-1/4"	Wall Thickness	.109"	.140"	.140"		.191"			.191"
				Weight per Ft	1.81	2.27	2.27		3.00			3.00
1.750"	.109"	.180"										
1.900"	.109"	.200"	1-1/2"	Wall Thickness	.109"	.145"	.145"		.200"			.200"
				Weight per Ft	2.09	2.72	2.72		3.63			3.63
2.375"	.109"	.200"	2"	Wall Thickness	.109"	.154"	.154"		.218"			.218"
				Weight per Ft	2.64	3.65	3.65		5.02			5.02
2.875"	.120"	.276"	2-1/2"	Wall Thickness	.120"	.203"	.203"		.276"			.276"
				Weight per Ft	3.53	5.77	5.77		7.66			7.66
3.000"	.125"	.313"										
3.500"	.120"	.300"	3"	Wall Thickness	.120"	.216"	.216"		.300"			.300"
				Weight per Ft	4.33	7.58	7.58		10.25			10.25
4.000"	.120"	.375"	3-1/2"	Wall Thickness	.120"	.226"	.226"		.318"			.318"
				Weight per Ft	4.97	9.11	9.11		12.51			12.51
4.500"	.120"	.337"	4"	Wall Thickness	.120"	.237"	.237"		.337"			.337"
				Weight per Ft	5.61	10.79	10.79		14.98			14.98
5.000"	.125"	0.375	4-1/2"	Wall Thickness		.247"						.355"
				Weight per Ft		12.5						17.61
5.563"	.125"	.375"	5"	Wall Thickness	.134"	.258"	.258"		.375"			.375"
				Weight per Ft	7.77	14.62	14.62		20.78			20.78
6.000"	.125"	.375"										
6.625"	.188"	.375"	6"	Wall Thickness	.134"	.280"	.280"		.432"		.562"	.432"
				Weight per Ft	9.29	18.97	18.97		28.57		36.42	28.57
7.000"	.188"	.500"										
8.625"	.188"	.500"	8"	Wall Thickness		.322"	.322"		.500"	.594"		.500"
				Weight per Ft		28.58	28.55		43.43	50.87		43.39
9.625"	.188"	.500"	9"	Wall Thickness			.342"					.500"
				Weight per Ft			33.94					48.77
10.750"	.188"	.500"	10"	Wall Thickness		.365"	.365"		.593"			0.5
				Weight per Ft		40.52	40.52		64.43			54.79
12.000"	.188"	.500"										
12.750"	.250"	.688"	12"	Wall Thickness		.406"	.375"		.562"	.688"		.500"
				Weight per Ft		53.58	49.61		73.22	88.51		65.48
14.000"	.250"	.500"										