

Galvanized/Commercial Quality Steel Tubing

ROUND (in inches)		Nominal decimal for ordering gauge														
Outside Diameter	Equiv. Sizes	22	20	19	18	17	16	15	14	13	12	11	10	9	8	7
		.028	.035	.042	.049	.058	.065	.072	.083	.095	.109	.120	.134	.148	.165	.180
.500		.1413	.1740	.2056	.2362	.2740	.3023									
.625		.1787	.2207	.2618	.3017	.3516	.3891									
.706	1/2" EMT	.2029	.2511	.2981	.3441	.4018	.4454									
.750		.2161	.2675	.3179	.3672	.4291	.4760	.5218								
.815	1/2" IMC	.2356	.2918	.3471	.4012	.4694	.5211	.5719	.6495							
.870		.2520	.3124	.3718	.4300	.5035	.5594	.6142								
.875		.2535	.3143	.3740	.4327	.5066	.5628	.6181								
.922	3/4" EMT	.2676	.3319	.3951	.4573	.5357	.5955	.6542	.7444							
.980		.2850	.3535	.4211	.4877	.5717	.6358	.6989	.7959							
.995		.2894	.3592	.4279	.4955	.5810	.6462	.7104	.8092	.9140						
1.000		.2909	.3611	.4301	.4981	.5841	.6497	.7143	.8136	.9191						
1.029		.2996	.3719	.4431	.5133	.6020	.6698	.7366	.8394	.9485						
1.050	3/4 NPS	.3059	.3798	.4526	.5243	.6151	.6844	.7527	.8580	.9699						
1.125		.3284	.4078	.4862	.5636	.6616	.7365	.8105	.9245							
1.163	1" EMT		.4220	.5033	.5835	.6851	.7629	.8397	.9583	1.0846						
1.187				.5141	.5961	.7000	.7796									
1.250			.4546	.5424	.6291	.7391	.8234	.9067	1.0354	1.1730	1.3295	1.4496	1.5986			
1.290	1" IMC			.5603	.6500	.7639	.8512	.9375	1.0709	1.2136	1.3761	1.5009	1.6559			
1.315	1 NPS		.4789	.5716	.6631	.7794	.8686	.9567	1.0931	1.2390	1.4052	1.5329	1.6917			
1.375			.5014	.5985	.6946	.8166	.9103	1.0029	1.1464							
1.500			.5481	.6546	.7600	.8941	.9971	1.0991	1.2573	1.4268	1.6208	1.7703	1.9567			
1.510	1 1/4" EMT		.5519	.6591	.7653	.9003	1.0041	1.1068	1.2661	1.4370	1.6325	1.7831	1.9711			
1.625			.5949	.7107	.8255	.9716	1.0840	1.1953	1.3682	1.5538	1.7665	1.9306	2.1358			
1.638	1 1/4" IMC			.7166	.8323	.9796	1.0930	1.2053	1.3797	1.5670	1.7816	1.9473	2.1544			
1.660	1 1/4 NPS		.6080	.7264	.8439	.9933	1.1083	1.2223	1.3992	1.5893	1.8072	1.9755	2.1859			
1.690							1.1291	1.2453	1.4258	1.6198	1.8422	2.0140	2.2289			
1.740	1 1/2" EMT		.6379	.7624	.8858	1.0429	1.1639	1.2838	1.4702	1.6706	1.9005	2.0781	2.3005			
1.750			.6417	.7669	.8910	1.0491	1.1708	1.2915	1.4791							
1.875							1.2577	1.3877	1.5900	1.8077	2.0578	2.2513	2.4939			
1.883	1 1/2" IMC			.8266	.9607	1.1315	1.2632	1.3939	1.5971	1.8158	2.0671	2.2616	2.5054	2.7450		
1.900	1 1/2 NPS		.6978	.8342	.9696	1.1421	1.2750	1.4070	1.6122	1.8331	2.0869	2.2834	2.5297	2.7719	3.0603	
2.000			.7352	.8791	1.0220	1.2041	1.3445	1.4839	1.7009	1.9346	2.2034	2.4117	2.6730	2.9301		
2.197	2" EMT			.9676	1.1251	1.3262	1.4814	1.6356	1.8757	2.1347	2.4330	2.6644	2.9552	3.2418		
2.360	2" IMC				1.2105	1.4273	1.5947	1.7610	2.0203	2.3002	2.6229	2.8735	3.1887	3.4996		
2.375	2 NPS			1.0475	1.2184	1.4366	1.6051	1.7726	2.0336	2.3155	2.6404	2.8927	3.2101	3.5234	3.8981	4.2236
2.500					1.2839	1.5141	1.6920	1.8688	2.1445	2.4424	2.7860	3.0531	3.3892	3.7211		
2.750								2.0612	2.3663	2.6963	3.0773	3.3738	3.7473	4.1167		
2.857	2 1/2" IMC							2.1436	2.4613	2.8049	3.2020	3.5110	3.9006	4.2860	4.7483	5.1511
2.875	2 1/2 NPS							2.1574	2.4773	2.8232	3.2230	3.5341	3.9264	4.3144	4.7800	5.1857
3.000								2.2536	2.5882	2.9502	3.3686	3.6945	4.1054	4.5122	5.0005	5.4262
3.476	3" IMC							2.6200	3.0105	3.4336	3.9233	4.3051	4.7873	5.2653	5.8401	6.3422
3.500	3 NPS						2.3868	2.6385	3.0318	3.4579	3.9512	4.3359	4.8217	5.3033	5.8824	6.3883
3.971	3 1/2" IMC							3.4497	3.9363	4.5000	4.9401	5.4963	6.0484	6.7132	7.2946	
4.000	3 1/2 NPS							3.0233	3.4754	3.9657	4.5338	4.9773	5.5379	6.0943	6.7644	7.3504
4.466	4" IMC							3.3820	3.8889	4.4390	5.0768	5.5750	6.2054	6.8316	7.5863	8.2471
4.500	4 NPS							3.4081	3.9191	4.4735	5.1164	5.6187	6.2541	6.8854	7.6463	8.3125
5.000	4 1/2 NPS									4.9813	5.6990	6.2601	6.9704	7.6764	8.5282	9.2746

Refer to the color coding at the right for "typical" yield/tensile properties achieved. These properties are measured in tension according to methods outlined in ASTM specification E8. Elongation (in 2") properties will vary with each OD/gauge combination. Please inquire about specific product applications where minimum mechanical properties are required.

Typical Mechanical Properties Achieved:	
	40,000 psi yield/45,000 psi tensile
	45,000 psi yield/48,000 psi tensile
	50,000 psi yield/55,000 psi tensile

Allied welcomes inquiries for additional sizes and shapes, both commercial quality and galvanized.