

Dimension of Stainless Steel Hollow Bar - Heavy Wall Thickness Tube - ASTM A511

OD = outside diameter, ID = inside diameter

Size		Chucked true to OD				Chucked true to ID			
OD, mm	ID, mm	Max. OD, mm	Min. ID, mm	Max. OD, in.	Min. ID, in.	Max. OD, mm	Min. ID, mm	Max. OD, in.	Min. ID, in.
32	20	31	21.9	1.22	0.862	30	21	1.185	0.827
32	16	31	18	1.22	0.709	30	17	1.181	0.669
36	25	35	26.9	1.378	1.059	34.1	26	1.343	1.024
36	20	35	22	1.378	0.866	34	21	1.339	0.827
36	16	35	18.1	1.378	0.713	33.9	17	1.335	0.669
40	28	39	29.9	1.535	1.177	38.1	29	1.5	1.142
40	25	39	27	1.535	1.063	38	26	1.496	1.024
40	20	39	22.1	1.535	0.870	37.9	21	1.492	0.827
45	32	44	33.9	1.732	1.335	43.1	33	1.697	1.299
45	28	44	30	1.732	1.181	43	29	1.693	1.142
45	20	44	22.2	1.732	0.874	42.8	21	1.685	0.827
50	36	49	38	1.929	1.496	48	37	1.89	1.457
50	32	49	34.1	1.929	1.343	47.9	33	1.886	1.299
50	25	49	27.2	1.929	1.071	47.8	26	1.882	1.024
56	40	55	42	2.165	1.654	54	41	2.126	1.614
56	36	55	38.1	2.165	1.500	53.9	37	2.122	1.457
56	28	55	30.3	2.165	1.193	53.7	29	2.114	1.142
63	50	62	51.9	2.441	2.043	61.1	51	2.406	2.008
63	45	62	47	2.441	1.85	61	46	2.402	1.811
63	40	62	42.2	2.441	1.661	60.8	41	2.394	1.614
63	36	62	38.3	2.441	1.508	60.7	37	2.39	1.457
63	32	62	34.4	2.441	1.354	60.6	33	2.386	1.299
71	56	69.9	58	2.752	2.283	68.9	57	2.713	2.244
71	45	69.9	47.3	2.752	1.862	68.6	46	2.701	1.811
71	40	69.9	42.4	2.752	1.669	68.5	41	2.697	1.614
71	36	69.9	38.5	2.752	1.516	68.4	37	2.693	1.457
75	60	73.8	62	2.906	2.441	72.8	61	2.866	2.402
75	50	73.8	52.2	2.906	2.055	72.6	51	2.858	2.008
75	40	73.8	42.5	2.906	1.673	72.3	41	2.846	1.614
80	63	78.8	65	3.102	2.559	77.8	64	3.063	2.52
80	50	78.8	52.4	3.102	2.053	77.4	51	3.047	2.008
80	45	78.8	47.5	3.102	1.870	77.3	46	3.043	1.811
80	40	78.8	42.6	3.102	1.677	77.2	41	3.039	1.614
85	67	83.7	69.1	3.295	2.72	82.6	68	3.252	2.677
85	55	83.7	57.4	3.295	2.26	82.3	56	3.24	2.205
85	45	83.7	47.6	3.295	1.874	82.1	46	3.232	1.811
90	71	88.6	73.1	3.488	2.878	87.6	72.1	3.449	2.839
90	63	88.6	65.3	3.488	2.571	87.3	64	3.437	2.52
90	56	88.6	58.5	3.488	2.303	87.1	57	3.429	2.244
90	50	88.6	52.6	3.488	2.071	87	51	3.425	2.008
95	75	93.5	77.3	3.681	3.041	92.4	76.2	3.641	2.997
95	67	93.5	69.3	3.681	2.728	92.2	68	3.63	2.677
95	50	93.5	52.7	3.681	2.075	91.8	51	3.614	2.008
100	80	98.5	82.3	3.878	3.24	97.4	81.2	3.835	3.197
100	71	98.5	73.4	3.878	2.89	97.2	72.1	3.827	2.839
100	63	98.5	65.5	3.878	2.579	97	64	3.819	2.52
100	56	98.5	58.7	3.878	2.311	96.8	57	3.811	2.244
106	80	104.4	82.5	4.11	3.248	103.1	81.2	4.059	3.197
106	71	104.4	73.5	4.11	2.894	103	72.1	4.055	2.839
106	63	104.4	65.7	4.11	2.587	102.7	64	4.043	2.52

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106	56	104.4	58.9	4.11	2.319	102.5	57	4.035	2.244
112	90	110.3	92.5	4.343	3.642	109.2	91.4	4.299	3.598
112	80	110.3	82.6	4.343	3.252	108.9	81.2	4.287	3.197
112	71	110.3	73.7	4.343	2.902	108.7	72.1	4.28	2.839
112	63	110.3	65.8	4.343	2.591	108.5	64	4.272	2.52
118	90	116.2	92.7	4.575	3.65	114.9	91.4	4.524	3.598
118	80	116.2	82.8	4.575	3.26	114.6	81.2	4.512	3.197
118	71	116.2	73.8	4.575	2.906	114.5	72.1	4.508	2.839
118	63	116.2	66	4.575	2.598	114.2	64	4.496	2.52
125	100	123.1	102.7	4.846	4.043	121.9	101.5	4.799	3.996
125	90	123.1	92.8	4.846	3.654	121.7	91.4	4.791	3.598
125	80	123.1	82.9	4.846	3.264	121.4	81.2	4.78	3.197
125	71	123.1	74	4.846	2.913	121.3	72.1	4.772	2.839
132	106	130	108.8	5.118	4.283	128.8	107.6	5.071	4.236
132	90	130	93	5.118	3.661	128.4	91.4	5.055	3.598
132	80	130	83.1	5.118	3.272	128.1	81.2	5.043	3.197
132	71	130	74.2	5.118	2.921	121.2	72.1	5.035	2.839
140	112	137.9	115	5.429	4.528	136.6	113.7	5.378	4.476
140	100	137.9	103.1	5.429	4.059	136.3	101.5	5.366	3.996
140	90	137.9	93.2	5.429	3.669	136.1	91.4	5.358	3.598
140	80	137.9	83.3	5.429	3.28	135.8	81.2	5.346	3.197
150	125	147.7	128.1	5.815	5.043	146.5	126.9	5.768	4.996
150	106	147.7	109.3	5.815	4.303	146	107.6	5.748	4.236
150	95	147.7	98.4	5.815	3.874	145.7	96.4	5.736	3.795
150	80	147.7	83.6	5.815	3.291	145.3	81.2	5.72	3.197
160	132	157.6	135.3	6.205	5.327	156.3	134	6.154	5.276
160	122	157.6	125.4	6.205	4.937	156	123.8	6.142	4.874
160	112	157.6	115.5	6.205	4.547	155.8	113.7	6.134	4.476
160	90	157.6	94	6.205	3.701	155.2	91.4	6.11	3.598
170	140	167.4	143.5	6.591	5.65	166	142.1	6.535	5.594
170	130	167.4	133.6	6.591	5.26	165.8	132	6.528	5.197
170	128	167.4	131.6	6.591	5.181	165.7	130	6.524	5.118
170	118	167.4	121.7	6.591	4.791	165.5	119.8	6.516	4.717
170	106	167.4	109.8	6.591	4.323	165.2	107.6	6.504	4.236
170	100	167.4	103.9	6.591	4.091	165	101.5	6.496	3.996
180	150	177.3	153.6	6.98	6.047	176	152.3	6.929	5.996
180	140	177.3	143.7	6.98	5.657	175.7	142.1	6.917	5.594
180	125	177.3	128.9	6.98	5.075	175.3	126.9	6.902	4.996
180	100	177.3	104.1	6.98	4.098	174.7	101.5	6.878	3.996
190	160	187.1	163.8	7.366	6.449	185.7	162.4	7.311	6.394
190	150	187.1	153.9	7.366	6.059	185.5	152.3	7.303	5.996
190	132	187.1	136	7.366	5.354	185.1	134	7.287	5.276
200	170	197	173.9	7.756	6.846	195.6	172.6	7.701	6.795
200	160	197	164	7.756	6.457	195.4	162.4	7.693	6.394
200	150	197	154.1	7.756	6.067	195.2	152.3	7.685	5.996
200	140	197	144.2	7.756	5.677	194.9	142.1	7.673	5.594
212	170	208.8	174.2	8.22	6.858	207.2	172.6	8.157	6.795
212	150	208.8	154.4	8.22	6.079	206.6	152.3	8.133	5.997
212	130	208.8	134.6	8.22	5.299	206.2	132	8.118	5.197
224	180	220.6	184.4	8.685	7.26	218.9	182.7	8.618	7.193

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224	140	220.6	144.8	8.685	5.701	217.9	142.1	8.579	5.594
236	190	232.4	194.6	9.15	7.661	230.7	192.9	9.083	7.594
236	150	232.4	155	9.15	6.102	229.7	152.3	9.043	5.996
250	200	246.2	204.9	9.693	8.067	244.3	203	9.618	7.992
275	200	268.9	205.4	10.587	8.087	266.5	203	10.492	7.992

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