

**Bit Sizes And Clearance - Casing Data**

API Casing

Casing Specifications										Diametrical clearance			
Casing size O.D.		weight with coupling		Outside diameter of coupling		Inside diameter of casing		Bit size		Inches		Metric	
Inches	MM	Lbs/Ft	kg/m	Inches	MM	Inches	MM	Inches	MM	Thou-santh	Nearest 64th	MM	Nearest MM
4 1/2	114.3	9.50	14.14	5.00	127.00	4.090	103.89	3 7/8	98.42	0.215	7/32	5.46	5
4 1/2	114.3	10.50	15.63	5.00	127.00	4.052	102.92	3 7/8	98.42	0.177	11/64	4.50	4
4 1/2	114.3	11.60	17.26	5.00	127.00	4.000	101.60	3 7/8	98.42	0.125	1/8	3.18	3
4 1/2	114.3	13.50	20.09	5.00	127.00	3.920	99.57	3 3/4	95.25	0.170	11/64	4.32	4
5	127.0	13.00	19.35	5.563	141.30	4.494	114.15	4 1/4	107.95	0.244	1/4	6.20	6
5	127.0	15.00	22.32	5.563	141.30	4.408	111.96	4 1/4	107.95	0.158	5/32	4.01	4
5	127.0	18.00	26.79	5.563	141.30	4.276	108.61	4 1/8	104.77	0.151	5/32	3.84	4
5 1/2	139.7	14.00	20.83	6.050	153.67	5.012	127.30	4 3/4	120.65	0.262	17/64	6.65	7
5 1/2	139.7	15.50	23.07	6.050	153.67	4.950	125.73	4 3/4	120.65	0.200	13/64	5.08	5
5 1/2	139.7	17.00	25.30	6.050	153.67	4.892	124.26	4 3/4	120.65	0.142	9/64	3.61	4
5 1/2	139.7	20.00	29.76	6.050	153.67	4.778	121.36	4 5/8	117.47	0.153	5/32	3.89	4
5 1/2	139.7	23.00	34.23	6.050	153.67	4.670	118.62	4 1/2	114.30	0.170	11/64	4.32	4
6 5/8	168.3	20.00	29.76	7.390	187.71	6.049	153.64	5 7/8	149.22	0.174	11/64	4.42	4
6 5/8	168.3	24.00	35.72	7.390	187.71	5.921	150.39	4 3/4	120.65	1.171	1 11/64	29.74	30
6 5/8	168.3	28.00	41.67	7.390	187.71	5.791	147.09	4 3/4	120.65	1.041	1 3/64	26.44	26
6 5/8	168.3	32.00	47.62	7.390	187.71	5.675	144.14	4 3/4	120.65	0.925	59/64	23.49	23
7	177.8	17.00	25.30	7.656	194.46	6.538	166.07	6 1/4	158.75	0.288	9/32	7.32	7
7	177.8	20.00	29.76	7.656	194.46	6.456	163.98	6 1/4	158.75	0.206	13/64	5.23	5
7	177.8	23.00	34.23	7.656	194.46	6.366	161.70	6 1/4	158.75	0.116	7/64	2.95	3
7	177.8	26.00	38.69	7.656	194.46	6.276	159.41	6 1/8	155.57	0.151	5/32	3.84	4
7	177.8	29.00	43.16	7.656	194.46	6.184	157.07	6	152.40	0.184	3/16	4.67	5
7	177.8	32.00	47.62	7.656	194.46	6.094	154.79	6	152.40	0.094	3/32	2.39	2
7	177.8	35.00	52.09	7.656	194.46	6.004	152.50	5 7/8	149.22	0.129	1/8	3.28	3
7	177.8	38.00	56.55	7.656	194.46	5.920	150.37	5 7/8	149.22	0.045	3/64	1.14	1
7 5/8	193.7	24.00	35.72	8.500	215.90	7.025	178.44	6 3/4	171.45	0.275	2/7	6.98	7
7 5/8	193.7	26.40	39.29	8.500	215.90	6.969	177.01	6 3/4	171.45	0.219	2/9	5.56	6
7 5/8	193.7	29.70	44.20	8.500	215.90	6.875	174.62	6 3/4	171.45	0.125	1/8	3.18	3
7 5/8	193.7	33.70	50.15	8.500	215.90	6.765	171.83	6 5/8	168.27	0.140	1/7	3.56	4
7 5/8	193.7	39.00	59.04	8.500	215.90	6.625	168.28	6 1/4	158.75	0.375	3/8	9.52	10
8 5/8	219.1	24.00	35.72	9.625	244.48	8.097	205.66	7 1/8	200.02	0.222	7/32	5.64	6
8 5/8	219.1	28.00	41.62	9.625	244.48	8.017	203.63	7 1/8	200.02	0.142	9/64	3.61	4
8 5/8	219.1	32.00	47.62	9.625	244.48	7.921	201.19	7 1/8	200.02	0.046	8/64	1.17	1
8 5/8	219.1	36.00	53.57	9.625	244.48	7.825	198.76	6 3/4	171.45	1.075	1 5/64	27.3	27
8 5/8	219.1	40.00	59.53	9.625	244.48	7.725	196.22	6 3/4	171.45	0.975	31/32	24.76	25
8 5/8	219.1	44.00	65.48	9.625	244.48	7.625	193.68	6 3/4	171.45	0.875	7/8	22.22	22
8 5/8	219.1	49.00	72.92	9.625	244.48	7.511	190.78	6 3/4	171.45	0.761	49/64	19.33	19
9 5/8	244.5	32.30	48.07	10.625	269.88	9.001	228.63	8 3/4	222.25	0.251	1/4	6.38	6
9 5/8	244.5	36.00	53.57	10.625	269.88	8.921	226.59	8 3/4	222.25	0.171	11/64	4.34	4
9 5/8	244.5	40.00	59.53	10.625	269.88	8.835	224.41	8 5/8	219.10	0.210	13/64	5.33	5
9 5/8	244.5	43.50	64.74	10.625	269.88	8.755	222.38	8 5/8	219.10	0.130	1/8	3.30	3
9 5/8	244.5	47.00	69.94	10.625	269.88	8.681	220.50	8 1/2	215.90	0.181	3/16	4.60	5
9 5/8	244.5	53.50	79.62	10.625	269.88	8.535	216.79	8 3/8	212.72	0.160	5/32	4.06	4
10 3/4	273.0	32.75	48.74	11.750	298.45	10.192	258.88	9 7/8	250.82	0.317	5/16	8.05	8
10 3/4	273.0	40.50	60.27	11.750	298.45	10.050	255.27	9 7/8	250.82	0.175	11/64	4.44	4
10 3/4	273.0	45.50	67.71	11.750	298.45	9.950	252.73	9 7/8	250.82	0.075	5/64	1.90	2
10 3/4	273.0	51.00	75.90	11.750	298.45	9.850	250.19	9 5/8	244.50	0.225	7/32	5.72	6
10 3/4	273.0	55.50	82.59	11.750	298.45	9.760	247.90	9 5/8	244.50	0.135	9/64	3.43	3
11 3/4	298.4	42.00	62.50	12.750	323.85	11.084	281.53	11	279.40	0.084	5/64	2.13	2
11 3/4	298.4	47.00	69.94	12.750	323.85	11.000	279.40	10 5/8	269.88	0.375	3/8	9.52	10
11 3/4	298.4	54.00	80.36	12.750	323.85	10.880	276.35	10 5/8	269.88	0.255	1/4	6.48	6
11 3/4	298.4	60.00	89.29	12.750	323.85	10.772	273.61	10 5/8	269.88	0.147	9/64	3.73	4
13 3/8	339.7	48.00	71.43	14.375	365.12	12.715	322.96	12 1/4	311.15	0.465	15/32	11.81	12
13 3/8	339.7	54.50	81.11	14.375	365.12	12.615	320.42	12 1/4	311.15	0.365	23/64	9.27	9
13 3/8	339.7	61.00	90.78	14.375	365.12	12.515	317.88	12 1/4	311.15	0.265	17/64	6.73	7
13 3/8	339.7	68.00	101.20	14.375	365.12	12.415	315.34	12 1/4	311.15	0.165	11/64	4.19	4
13 3/8	339.7	72.00	107.15	14.375	365.12	12.347	313.61	12	304.80	0.347	11/32	8.81	9
16	406.4	65.00	96.73	17.000	431.00	15.250	387.35	15	381.00	0.250	1/4	6.35	6
16	406.4	75.00	111.61	17.000	431.00	15.125	384.18	14 3/4	374.65	0.375	3/8	9.52	10
16	406.4	84.00	125.01	17.000	431.00	15.010	381.25	14 3/4	374.65	0.260	17/64	6.60	7
20	508.0	94.00	139.89	21.000	533.40	19.124	485.75	17 1/2	444.50	1.624	1 5/8	41.25	41
20	508.0	106.50	158.49	21.000	533.40	19.000	482.60	17 1/2	444.50	1.500	1 1/2	38.10	38



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