

CASING DIMENSIONS AND BIT CLEARANCE												
CASING								BIT				
OUTSIDE DIAMETER		WEIGHT		INSIDE DIAMETER		DRIFT		SIZE		CLEARANCE	WEIGHT	
INCH	MM	LB/FT	KG/M	INCH	MM	INCH	MM	INCH	MM		LBS	KGS
4 1/2	114.30	9.5	14.14	4.090	103.89	3.965	100.71	3 7/8	98.43	0.090	10	4.54
4 1/2	114.30	11.6	17.26	4.000	101.60	3.875	98.43	3 7/8	98.43	0.000	10	4.54
4 1/2	114.30	13.5	20.09	3.920	99.57	3.795	96.39	3 3/4	95.25	0.045	10	4.54
4 1/2	114.30	15.1	22.47	3.826	97.18	3.701	94.01	3 5/8	92.08	0.076	10	4.54
5	127.00	11.5	17.11	4.560	115.82	4.435	112.65	4 1/4	107.95	0.185	11	4.99
5	127.00	13.0	19.35	4.494	114.15	4.369	110.97	4 1/4	107.95	0.119	11	4.99
5	127.00	15.0	22.32	4.408	111.96	4.283	108.79	4 1/4	107.95	0.033	11	4.99
5	127.00	18.0	26.79	4.276	108.61	4.151	105.44	4 1/8	104.78	0.026	11	4.99
5 1/2	139.70	13.0	19.35	5.044	128.12	4.919	124.94	4 3/4	120.65	0.169	16	7.26
5 1/2	139.70	14.0	20.83	5.012	127.30	4.887	124.13	4 3/4	120.65	0.137	16	7.26
5 1/2	139.70	15.5	23.07	4.950	125.73	4.825	122.56	4 3/4	120.65	0.075	16	7.26
5 1/2	139.70	17.0	25.30	4.892	124.26	4.767	121.08	4 3/4	120.65	0.017	16	7.26
5 1/2	139.70	20.0	29.76	4.778	121.36	4.653	118.19	4 5/8	117.48	0.028	16	7.26
5 1/2	139.70	23.0	34.23	4.670	118.62	4.545	115.44	4 1/2	114.30	0.045	12	5.44
6	152.40	15.0	22.32	5.524	140.31	5.399	137.13	5 3/8	136.53	0.024	25	11.34
6	152.40	18.0	26.79	5.425	137.80	5.299	134.59	5 1/8	130.18	0.174	25	11.34
6	152.40	20.0	29.76	5.352	135.94	5.277	134.04	5 1/8	130.18	0.102	25	11.34
6	152.40	23.0	34.23	5.240	133.10	5.115	129.92	4 7/8	123.83	0.240	16	7.26
6	152.40	26.0	38.69	5.132	130.35	5.007	127.18	4 7/8	123.83	0.132	16	7.26
6 5/8	168.28	17.0	25.30	6.135	155.83	6.010	152.65	6	152.40	0.010	28	12.70
6 5/8	168.28	20.0	29.76	6.049	153.64	5.924	150.47	5 7/8	149.23	0.049	26	11.79
6 5/8	168.28	24.0	35.72	5.921	150.39	5.976	151.79	5 3/4	146.05	0.046	25	11.34
6 5/8	168.28	28.0	41.67	5.791	147.09	5.666	143.92	5 5/8	142.88	0.041	25	11.34
6 5/8	168.28	32.0	47.62	5.675	144.15	5.550	140.97	5 3/8	136.53	0.175	25	11.34
7	177.80	17.0	25.30	6.538	166.07	6.413	162.89	6 3/8	161.93	0.038	29	13.15
7	177.80	20.0	29.76	6.456	163.98	6.331	160.81	6 1/4	158.75	0.081	28	12.70
7	177.80	23.0	34.23	6.366	161.70	6.241	158.52	6 1/8	155.58	0.116	28	12.70
7	177.80	26.0	38.69	6.276	159.41	6.151	156.24	6 1/8	155.58	0.026	28	12.70
7	177.80	29.0	43.16	6.184	157.07	6.059	153.90	6	152.40	0.059	26	11.79
7	177.80	32.0	47.62	6.094	154.79	5.969	151.61	5 7/8	149.23	0.094	26	11.79
7	177.80	35.0	52.09	6.004	152.50	5.879	149.33	5 7/8	149.23	0.004	25	11.34
7	177.80	38.0	56.55	5.920	150.37	5.795	147.19	5 3/4	146.05	0.045	37	16.78
7 5/8	193.68	20.0	29.76	7.125	180.98	7.000	177.80	6 3/4	171.45	0.250	37	16.78
7 5/8	193.68	24.0	35.72	7.025	178.44	6.900	175.26	6 3/4	171.45	0.150	37	16.78
7 5/8	193.68	26.4	39.29	6.969	177.01	6.844	173.84	6 3/4	171.45	0.094	37	16.78
7 5/8	193.68	29.7	44.20	6.875	174.63	6.750	171.45	6 3/4	171.45	0.000	32	14.52
7 5/8	193.68	33.7	50.15	6.765	171.83	6.640	168.66	6 5/8	168.28	0.015	29	13.15
7 5/8	193.68	39.0	58.04	6.625	168.28	6.500	165.10	6 3/8	161.93	0.125	60	27.22
8 5/8	219.08	24.0	35.72	8.097	205.66	7.972	202.49	7 7/8	200.03	0.097	60	27.22
8 5/8	219.08	28.0	41.67	8.017	203.63	7.982	202.74	7 7/8	200.03	0.017	58	26.31
8 5/8	219.08	32.0	47.62	7.921	201.19	7.796	198.02	7 3/4	196.85	0.046	58	26.31
8 5/8	219.08	36.0	53.57	7.825	198.76	7.700	195.58	7 5/8	193.68	0.075	43	19.50
8 5/8	219.08	40.0	59.53	7.725	196.22	7.600	193.04	7 3/8	187.33	0.225	43	19.50
8 5/8	219.08	44.0	65.48	7.625	193.68	7.500	190.50	7 3/8	187.33	0.125	43	19.50
8 5/8	219.08	49.0	72.92	7.511	190.78	7.386	187.60	7 3/8	187.33	0.011	43	19.50
9 5/8	244.48	29.3	43.60	9.063	230.20	8.907	226.24	8 3/4	222.25	0.157	74	33.57
9 5/8	244.48	32.3	48.07	9.001	228.63	8.845	224.66	8 3/4	222.25	0.095	74	33.57
9 5/8	244.48	36.0	53.57	8.921	226.59	8.765	222.63	8 3/4	222.25	0.015	74	33.57
9 5/8	244.48	40.0	59.53	8.835	224.41	8.697	220.90	8 5/8	219.08	0.072	73	33.11
9 5/8	244.48	43.5	64.73	8.755	222.38	8.599	218.41	8 1/2	215.90	0.099	70	31.75
9 5/8	244.48	47.0	69.94	8.681	220.50	8.525	216.54	8 1/2	215.90	0.025	70	31.75
9 5/8	244.48	53.5	79.62	8.535	216.79	8.379	212.83	8 3/8	212.73	0.004	74	33.57
10 3/4	273.05	32.75	48.74	10.192	258.88	10.036	254.91	9 7/8	250.83	0.161	118	53.52
10 3/4	273.05	40.50	60.27	10.050	255.27	9.894	251.31	9 7/8	250.83	0.019	118	53.52
10 3/4	273.05	45.50	67.71	9.950	252.73	9.794	248.77	9 3/4	247.65	0.044	112	50.80
10 3/4	273.05	51.00	75.90	9.850	250.19	9.694	246.23	9 5/8	244.48	0.069	112	50.80
10 3/4	273.05	55.50	82.59	9.760	247.90	9.604	243.94	9	228.60	0.604	75	34.02
10 3/4	273.05	60.70	90.33	9.660	245.36	9.504	241.40	9	228.60	0.504	75	34.02
10 3/4	273.05	65.70	97.77	9.560	242.82	9.404	238.86	9	228.60	0.404	75	34.02
11 3/4	298.45	38.00	56.55	11.150	283.21	10.994	279.25	10 5/8	269.88	0.369	140	63.50
11 3/4	298.45	42.00	62.50	11.084	281.53	10.928	277.57	10 5/8	269.88	0.303	140	63.50
11 3/4	298.45	47.00	69.94	11.000	279.40	10.844	275.44	10 5/8	269.88	0.219	140	63.50
11 3/4	298.45	54.00	80.36	10.880	276.35	10.724	272.39	10 5/8	269.88	0.099	140	63.50
11 3/4	298.45	60.00	89.29	10.772	273.61	10.616	269.65	9 7/8	250.83	0.741	118	53.52
13 3/8	339.73	48.00	71.43	12.715	322.96	12.559	319.00	12 1/4	311.15	0.309	181	82.10
13 3/8	339.73	54.50	81.10	12.615	320.42	12.459	316.46	12 1/4	311.15	0.209	181	82.10
13 3/8	339.73	61.00	90.78	12.515	317.88	12.359	313.92	12 1/4	311.15	0.109	181	82.10
13 3/8	339.73	68.00	101.19	12.415	315.34	12.259	311.38	12 1/4	311.15	0.009	181	82.10
13 3/8	339.73	72.00	107.15	12.374	314.30	12.191	309.65	10	254.00	2.191	135	61.24
16	406.40	55.00	81.85	15.375	390.53	15.188	385.78	15	381.00	0.188	325	147.42
16	406.40	65.00	96.73	12.250	311.15	15.062	382.57	15	381.00	0.062	325	147.42
16	406.40	75.00	111.61	15.125	384.18	14.938	379.43	14 3/4	374.65	0.188	325	147.42
16	406.40	84.00	125.01	15.010	381.25	14.823	376.50	14 3/4	374.65	0.073	325	147.42
20	508.00	94.00	139.89	19.124	485.75	18.936	480.97	17 1/2	444.50	1.436	560	254.02