



CORE BIT RPM CHART

Bit Diameter	Min. Rpm	Max. Rpm	Ideal Rpm
Inches	600 SFM	1042 SFM	833 SFM
1/2"	4775	7960	6364
5/8"	3820	6368	5091
3/4"	3183	5307	4242
7/8"	2728	4549	3636
1"	2387	3980	3182
1-1/8"	2122	3538	2828
1-3/8"	1736	2895	2314
1-1/2"	1592	2653	2121
1-5/8"	1469	2449	1958
1-3/4"	1364	2274	1818
1-7/8"	1273	2123	1697
2"	1194	1990	1591
2-1/4"	1061	1769	1414
2-1/2"	955	1592	1273
2-7/8"	868	1447	1157
3"	796	1327	1061
3-1/4"	735	1225	979
3-1/2"	682	1137	909
3-3/4"	637	1061	848
4"	597	995	795
4-1/4"	562	937	749
4-1/2"	531	884	707
4-3/4"	503	838	670
5"	477	796	636
5-1/2"	434	724	579
6"	398	663	530
6-1/2"	367	612	490
7"	341	569	455
7-1/2"	318	531	424
8"	298	498	398
8-1/2"	281	468	374
9"	265	442	354
9-1/2"	251	419	335
10"	239	398	318
10-1/2"	227	379	303
11"	217	362	289
11-1/2"	208	346	277
12"	199	332	265

Bit Diameter	Min. Rpm	Max. Rpm	Ideal Rpm
Inches	600 SFM	1042 SFM	833 SFM
14"	171	284	227
15"	159	265	212
16"	149	249	199
17"	140	234	187
18"	133	221	177
19"	126	209	167
20"	119	199	159
21"	114	190	152
22"	109	181	145
23"	104	173	138
24"	99	166	133
25"	95	159	127
26"	92	153	122
27"	88	147	118
28"	85	142	114
29"	82	137	110
30"	80	133	106
31"	77	128	103
32"	75	124	99
33"	72	121	96
34"	70	117	94
35"	68	114	91
36"	66	111	88
37"	65	108	86
38"	63	105	84
39"	61	102	82
40"	60	100	80
41"	58	97	78
42"	57	95	76
43"	56	93	74
44"	54	90	72
45"	53	88	71
46"	52	87	69
47"	51	85	68
48"	50	83	66
49"	49	81	65
50"	48	80	64
51"	47	78	62
52"	46	77	61

DIAMOND PRODUCTS

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