DRILL BIT RPM CHART

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		Maximum RPM-HSS			
Drill Size	Decimal (inches)	Aluminum	Mild Steel	Cast Iron	Stainless
1/32	0.03125	36672	13446	12224	8557
3/64	0.046875	24448	8964	8149	5705
1/16	0.0625	18336	6723	6112	4278
5/64	0.078125	14669	5379	4890	3423
3/32	0.09375	12224	4482	4075	2852
7/64	0.109375	10478	3842	3493	2445
1/8	0.125	9168	3362	3056	2139
9/64	0.140625	8149	2988	2716	1902
5/32	0.15625	7334	2689	2445	1711
11/64	0.171875	6668	2445	2223	1556
3/16	0.1875	6112	2241	2037	1426
13/64	0.203125	5642	2069	1881	1316
7/32	0.21875	5239	1921	1746	1222
15/64	0.234375	4890	1793	1630	1141
1/4	0.25	4584	1681	1528	1070
17/64	0.265625	4314	1582	1438	1007
9/32	0.28125	4075	1494	1358	951
19/64	0.296875	3860	1415	1287	901
5/16	0.3125	3667	1345	1222	856
21/64	0.328125	3493	1281	1164	815
11/32	0.34375	3334	1222	1111	778
23/64	0.359375	3189	1169	1063	744
3/8	0.375	3056	1121	1019	713
25/64	0.390625	2934	1076	978	685
13/32	0.40625	2821	1034	940	658
27/64	0.421875	2716	996	905	634
7/16	0.4375	2619	960	873	611
29/64	0.453125	2529	927	843	590
15/32	0.46875	2445	896	815	570
31/64	0.484375	2366	868	789	552
1/2	0.5	2292	840	764	535

DRILL TOOL RPM CHART

Typical Tool RPM	
Tool	RPM
1/2" Corded Drill:	600-1200
18V Cordless Drill:	1500-1800
Pneumatic Drill:	2000-3000
1/4" Die Grinder:	20000-25000

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