



CESSCO Inc.
 1-800-882-4959
 www.cessco.com

Calculated RPM's for Core Drilling

Diameter (Inches)	Min RPM	Best RPM	Max RPM	Recommended Hp
0.5	4775	6364	7960	1-2 Hp
0.625	3820	5090	6368	
0.75	3183	4242	5307	
0.875	2728	3636	4549	
1	2387	3182	3980	
1.125	2122	2828	3538	
1.25	1910	2545	3184	
1.375	1736	2314	2895	
1.5	1592	2121	2653	
1.625	1469	1958	2449	
1.75	1364	1818	2274	
1.875	1273	1697	2123	
2	1194	1591	1990	
2.125	1127	1502	1880	
2.25	1061	1414	1769	
2.375	1005	1340	1676	
2.5	955	1273	1592	
2.625	911	1215	1520	
2.75	868	1157	1447	
2.875	832	1110	1387	
3	796	1061	1327	
3.25	735	979	1225	
3.5	682	909	1137	
4	597	795	995	
4.25	562	749	937	
4.5	531	707	887	
4.75	504	671	840	
5	477	636	798	
5.25	455	608	706	
5.5	434	579	724	
6	398	530	663	
6.25	382	509	637	
6.5	367	490	612	
7	341	455	569	
7.25	330	441	552	
7.5	320	420	534	
8	298	398	498	
8.25	290	387	483	
8.5	282	376	469	
9	265	354	509	
9.5	252	336	420	
10	239	318	398	
12	199	265	332	
14	171	227	284	
16	149	199	249	
18	133	177	221	

Diameter * Pi = Circumference
 Circumference * RPMs =
 Surface Speed (inches)
 Min 624 ft/min
 Best 833 ft/min
 Max 1042 ft/min



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Diameter (Inches)	Min RPM	Best RPM	Max RPM	Recommended Hp
20	119	159	199	8-10 GPM @ 1500psi
24	99	133	166	
26	92	122	153	
28	85	114	142	12-15 GPM @ 2000psi
30	80	106	133	
32	75	99	124	
34	70	94	117	
36	66	88	111	15-20 GPM @ 2500psi
38	63	84	105	
40	60	80	100	
42	57	76	95	
44	54	72	90	Call
46	52	69	87	
48	52	66	83	
54	44	59	74	
56	43	57	71	
60	40	53	66	

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