

Cutting Speed (Revolutions per Minute)							
Diameter (inches)	Speed at Circumference (Feet per Minute)						
	15	17.5	20	22.5	25	27.5	30
1/32	1835		2445		3060		3668
1/16	917	1070	1222	1375	1528	1681	1833
1/8	458	535	611	688	764	840	917
3/16	306	357	407	458	509	560	611
1/4	229	267	306	344	382	420	458
5/16	183	214	244	275	306	336	367
3/8	153	178	204	229	255	280	306
7/16	131	153	175	196	218	240	262
1/2	115	134	153	172	191	210	229
9/16	103		137		172		204
5/8	91.7	107	122	138	153	168	183
11/16	83.5		112		140		167
3/4	76.4	89.1	102	115	127	140	153
13/16	71.0		95.0		118		142
7/8	65.5	76.4	87.3	98.2	109	120	131
15/16	61.4		82.0		102		122
1	57.3	66.8	76.4	85.9	95.5	105	115
1 1/8	50.9	59.4	67.9	76.4	84.9	93.4	102
1 1/4	45.8	53.5	61.1	68.8	76.4	84.0	91.7
1 3/8	41.7	48.6	55.6	62.5	69.5	76.4	83.3
1 1/2	38.2	44.6	50.9	57.3	63.7	70.0	76.4
1 5/8	35.3	41.1	47.0	52.9	58.8	64.6	70.5
1 3/4	32.7	38.2	43.7	49.1	54.6	60.0	65.5
1 7/8	30.6	35.7	40.7	45.8	50.9	56.0	61.1
2	28.7	33.4	38.2	43.0	47.7	52.5	57.3
2 1/8	27.1		36.0		44.0		54.0
2 1/4	25.5	29.7	34.0	38.2	42.4	46.7	50.9
2 3/8	24.2		32.3		40.3		48.3
2 1/2	22.9	26.7	30.6	34.4	38.2	42.0	45.8
2 5/8	21.8		29.2		36.4		43.5
2 3/4	20.8	24.3	27.8	31.3	34.7	38.2	41.7
2 7/8	20.0		26.6		33.2		39.6
3	19.1	22.3	25.5	28.6	31.8	35.0	38.2
3 1/4	17.6	20.6	23.5	26.4	29.4	32.3	35.3
3 1/2	16.4	19.1	21.8	24.5	27.3	30.0	32.7
3 3/4	15.3	17.8	20.4	22.9	25.5	28.0	30.6
4	14.3	16.7	19.1	21.5	23.9	26.3	28.7
4 1/2	12.7	14.9	17.0	19.1	21.2	23.3	25.5
5	11.5	13.4	15.3	17.2	19.1	21.0	22.9
5 1/2	10.4	12.2	13.9	15.6	17.4	19.1	20.8
6	9.5	11.1	12.7	14.3	15.9	17.5	19.1
6 1/2	8.8	10.3	11.8	13.2	14.7	16.2	17.6
7	8.2	9.5	10.9	12.3	13.6	15.0	16.4
7 1/2	7.6	8.9	10.2	11.5	12.7	14.0	15.3
8	7.2	8.4	9.5	10.7	11.9	13.1	14.3
8 1/2	6.7	7.9	9.0	10.1	11.2	12.4	13.5
9	6.4	7.4	8.5	9.5	10.6	11.7	12.7
9 1/2	6.0	7.0	8.0	9.1	10.1	11.1	12.1
10	5.7	6.7	7.6	8.6	9.5	10.5	11.5
11	5.2	6.1	6.9	7.8	8.7	9.5	10.4
12	4.8	5.6	6.4	7.2	8.0	8.8	9.5

Cutting Speed (Revolutions per Minute)							
Diameter (Inches)	Speed at Circumference (Feet per Minute)						
	35	40	45	50	55	60	65
1/32	4280	4890	5500	6114	6726	7336	
1/16	2139	2445	2750	3056	3361	3667	3973
1/8	1070	1222	1375	1528	1681	1833	1986
3/16	713	815	917	1019	1120	1222	1324
1/4	535	611	688	764	840	917	993
5/16	428	489	550	611	672	733	794
3/8	357	407	458	509	560	611	662
7/16	306	349	393	437	480	524	568
1/2	267	306	344	382	420	458	497
9/16	238	272	306	340	373	407	
5/8	214	244	275	306	336	367	397
11/16	194	222	249	273	300	333	
3/4	178	204	229	255	280	306	331
13/16	166	190	213	237	261	284	
7/8	153	175	196	218	240	262	284
15/16	142	163	183	204	224	244	
1	134	153	172	191	210	229	248
1 1/8	119	136	153	170	187	204	221
1 1/4	107	122	138	153	168	183	199
1 3/8	97.2	111	125	139	153	167	181
1 1/2	89.1	102	115	127	140	153	166
1 5/8	82.3	94.0	106	118	129	141	153
1 3/4	76.4	87.3	98.2	109	120	131	142
1 7/8	71.3	81.5	91.7	102	112	122	132
2	66.8	76.4	85.9	95.5	105	115	124
2 1/8	63.0	72.0	81.0	90.0	99.0	108	
2 1/4	59.4	67.9	76.4	84.9	93.4	102	110
2 3/8	56.4	64.4	72.5	80.5	88.6	96.6	
2 1/2	53.5	61.1	68.8	76.4	84.0	91.7	99.3
2 5/8	50.8	58.0	65.3	72.5	79.8	87.0	
2 3/4	48.6	55.6	62.5	69.5	76.4	83.3	90.3
2 7/8	46.2	52.8	59.4	66.0	72.6	79.2	
3	44.6	50.9	57.3	63.7	70.0	76.4	82.8
3 1/4	41.1	47.0	52.9	58.8	64.6	70.5	76.4
3 1/2	38.2	43.7	49.1	54.6	60.0	65.5	70.9
3 3/4	35.7	40.7	45.8	50.9	56.0	61.1	66.2
4	33.4	38.2	43.0	47.7	52.5	57.3	62.1
4 1/2	29.7	34.0	38.2	42.4	46.7	50.9	55.2
5	26.7	30.6	34.4	38.2	42.0	45.8	49.7
5 1/2	24.3	27.8	31.3	34.7	38.2	41.7	45.1
6	22.3	25.5	28.6	31.8	35.0	38.2	41.4
6 1/2	20.6	23.5	26.4	29.4	32.3	35.3	38.2
7	19.1	21.8	24.5	27.3	30.0	32.7	35.5
7 1/2	17.8	20.4	22.9	25.5	28.0	30.6	33.1
8	16.7	19.1	21.5	23.9	26.3	28.7	31.0
8 1/2	15.7	18.0	20.2	22.5	24.7	27.0	29.2
9	14.9	17.0	19.1	21.2	23.3	25.5	27.6
9 1/2	14.1	16.1	18.1	20.1	22.1	24.1	26.1
10	13.4	15.3	17.2	19.1	21.0	22.9	24.8
11	12.2	13.9	15.6	17.4	19.1	20.8	22.6
12	11.1	12.7	14.3	15.9	17.5	19.1	20.7

Cutting Speed (Revolutions per Minute)							
Diameter (inches)	Speed at Circumference (Feet per Minute)						
	70	75	80	90	100	110	120
1/32	8560	9172	9782	11004	12228	13450	14674
1/16	4278	4584	4889				
1/8	2139	2292	2445	2750	3056	3361	3667
3/16	1426	1528	1630	1833	2037	2241	2445
1/4	1070	1146	1222	1375	1528	1681	1833
5/16	856	917	978	1100	1222	1345	1467
3/8	713	764	815	917	1019	1120	1222
7/16	611	655	698	786	873	960	1048
1/2	535	573	611	688	764	840	917
9/16	475	509	543	611	679	747	813
5/8	428	458	489	550	611	672	733
11/16	389	416	444	500	555	611	666
3/4	357	382	407	458	509	560	611
13/16	332	356	379	427	474	521	569
7/8	306	327	349	393	437	480	524
15/16	285	305	326	366	407	448	488
1	267	287	306	344	382	420	458
1 1/8	238	255	272	306	340	373	407
1 1/4	214	229	244	275	306	336	367
1 3/8	194	208	222	250	278	306	333
1 1/2	178	191	204	229	255	280	306
1 5/8	165	176	188	212	235	259	282
1 3/4	153	164	175	196	218	240	262
1 7/8	143	153	163	183	204	224	244
2	134	143	153	172	191	210	229
2 1/8	126	135	144	162	180	198	216
2 1/4	119	127	136	153	170	187	204
2 3/8	113	121	129	145	161	177	193
2 1/2	107	115	122	138	153	168	183
2 5/8	102	109	116	131	145	160	174
2 3/4	97.2	104	111	125	139	153	167
2 7/8	92.4	99.0	106	119	132	145	158
3	89.1	95.5	102	115	127	140	153
3 1/4	82.3	88.2	94.0	106	118	129	141
3 1/2	76.4	81.9	87.3	98.2	109	120	131
3 3/4	71.3	76.4	81.5	91.7	102	112	122
4	66.8	71.6	76.4	85.9	95.9	105	115
4 1/2	59.4	63.6	67.9	76.4	84.9	93.4	102
5	53.5	57.3	61.1	68.8	76.4	84.0	91.7
5 1/2	48.6	52.1	55.6	62.5	69.5	76.4	83.3
6	44.6	47.8	50.9	57.3	63.7	70.0	76.4
6 1/2	41.1	44.1	47.0	52.9	58.8	64.6	70.5
7	38.2	40.9	43.7	49.1	54.6	60.0	65.5
7 1/2	35.7	38.2	40.7	45.8	50.9	56.0	61.1
8	33.4	35.8	38.2	43.0	47.7	52.5	57.3
8 1/2	31.5	33.7	36.0	40.4	44.9	49.4	53.9
9	29.7	31.8	34.0	38.2	42.4	46.7	50.9
9 1/2	28.2	30.2	32.2	36.2	40.2	44.2	48.3
10	26.7	28.7	30.6	34.4	38.2	42.0	45.8
11	24.3	26.0	27.8	31.3	34.7	38.2	41.7
12	22.3	23.9	25.5	28.6	31.8	35.0	38.2

Cutting Speed (Revolutions per Minute)							
Diameter (inches)	Speed at Circumference (Feet per Minute)						
	130	140	150	160	170	180	200
1/32	15896	17120	18342				
1/16	7948	8560	9171	9782	10390	11010	12232
1/8	3973	4278	4584	4890	5195	5505	6116
3/16	2648	2852	3056	3261	3465	3667	4075
1/4	1986	2139	2292	2445	2598	2750	3056
5/16	1589	1711	1833	1955	2077	2200	2444
3/8	1324	1426	1528	1629	1731	1832	2036
7/16	1135	1222	1310	1398	1486	1573	1748
1/2	993	1070	1146	1222	1299	1375	1528
9/16	883	951	1019	1086	1154	1222	1358
5/8	794	856	917	979	1040	1102	1224
11/16	722	770	833	888	944	999	1110
3/4	662	713	764	813	864	914	1016
13/16	616	664	711	758	806	853	948
7/8	568	611	655	701	745	788	876
15/16	529	570	611	651	692	733	814
1	497	535	573	611	649	688	764
1 1/8	441	475	509	544	578	612	680
1 1/4	397	428	458	490	520	551	612
1 3/8	361	389	417	445	472	500	556
1 1/2	331	357	382	406	432	457	508
1 5/8	306	329	353	374	398	421	468
1 3/4	284	306	327	349	371	392	436
1 7/8	265	285	306	326	347	367	408
2	248	267	287	306	325	344	382
2 1/8	234	252	270	288	306	324	360
2 1/4	221	238	255	272	289	306	340
2 3/8	209	225	242	258	274	290	322
2 1/2	199	214	229	245	260	275	306
2 5/8	189	203	218	232	247	261	290
2 3/4	181	194	208	222	236	250	278
2 7/8	172	185	198	211	224	238	264
3	166	178	191	203	216	228	254
3 1/4	153	165	176	188	199	211	234
3 1/2	142	153	164	174	186	196	218
3 3/4	132	143	153	163	175	184	205
4	124	134	143	153	163	172	191
4 1/2	110	119	127	136	144	153	170
5	99.3	107	115	122	130	138	153
5 1/2	90.3	97.2	104	111	118	125	139
6	82.8	89.1	95.5	102	108	114	127
6 1/2	76.4	82.3	88.2	93.9	100	106	117
7	70.9	76.4	81.9	87.4	92.8	98.3	109
7 1/2	66.2	71.3	76.4	81.4	86.5	91.6	102
8	62.1	66.8	71.6	76.5	81.3	86.0	95.6
8 1/2	58.4	62.9	67.4	71.9	76.4	80.9	89.9
9	55.2	59.4	63.6	67.8	72.4	76.6	85.1
9 1/2	52.3	56.3	60.3	64.3	68.3	72.3	80.3
10	49.7	53.5	57.3	61.1	64.9	68.7	76.3
11	45.1	48.6	52.1	55.6	59.1	62.6	69.6
12	41.4	44.6	47.8	51.0	54.2	57.4	63.8