

# SFPM SPEED CALCULATOR

Online calculator available at [www.burrrking.com/sfpm](http://www.burrrking.com/sfpm)

RPM at Spindle	Diameter of Wheel in Inches											RPM at Spindle
	4	5	6	7	8	10	12	14	16	18	20	
400	419	524	628	733	838	1047	1257	1466	1676	1885	2094	400
500	524	654	785	916	1047	1309	1571	1833	2094	2356	2618	500
600	628	785	942	1100	1257	1571	1885	2199	2513	2827	3142	600
700	733	916	1100	1283	1466	1833	2199	2566	2932	3299	3665	700
800	838	1047	1257	1466	1676	2094	2513	2932	3351	3770	4189	800
900	942	1178	1414	1649	1885	2356	2827	3299	3770	4241	4712	900
1000	1047	1309	1571	1833	2094	2618	3142	3665	4189	4712	5236	1000
1100	1152	1440	1728	2016	2304	2880	3456	4032	4608	5184	5760	1100
1200	1257	1571	1885	2199	2513	3142	3770	4398	5027	5655	6283	1200
1300	1361	1702	2042	2382	2723	3403	4084	4765	5445	6126	6807	1300
1400	1466	1833	2199	2566	2932	3665	4398	5131	5864	6597	7330	1400
1500	1571	1963	2356	2749	3142	3927	4712	5498	6283	7069	7854	1500
1600	1676	2094	2513	2932	3351	4189	5027	5864	6702	7540	8378	1600
1700	1780	2225	2670	3115	3560	4451	5341	6231	7121	8011	8901	1700
1800	1885	2356	2827	3299	3770	4712	5655	6597	7540	8482	9425	1800
1900	1990	2487	2985	3482	3979	4974	5969	6964	7959	8954	9948	1900
2000	2094	2618	3142	3665	4189	5236	6283	7330	8378	9425	10472	2000
2100	2199	2749	3299	3848	4398	5498	6597	7697	8796	9896	10996	2100
2200	2304	2880	3456	4032	4608	5760	6912	8063	9215	10367	11519	2200
2300	2409	3011	3613	4215	4817	6021	7226	8430	9634	10838	12043	2300
2400	2513	3142	3770	4398	5027	6283	7540	8796	10053	11310	12566	2400
2500	2618	3272	3927	4581	5236	6545	7854	9163	10472	11781	13090	2500
2600	2723	3403	4084	4765	5445	6807	8168	9529	10891	12252	13614	2600
2700	2827	3534	4241	4948	5655	7069	8482	9896	11310	12723	14137	2700
2800	2932	3665	4398	5131	5864	7330	8796	10263	11729	13195	14661	2800
2900	3037	3796	4555	5315	6074	7592	9111	10629	12147	13666	15184	2900
3000	3142	3927	4712	5498	6283	7854	9425	10996	12566	14137	15708	3000
3100	3246	4058	4869	5681	6493	8116	9739	11362	12985	14608	16232	3100
3200	3351	4189	5027	5864	6702	8378	10053	11729	13404	15080	16755	3200
3300	3456	4320	5184	6048	6912	8639	10367	12095	13823	15551	17279	3300
3400	3560	4451	5341	6231	7121	8901	10681	12462	14242	16022	17802	3400
3500	3665	4581	5498	6414	7330	9163	10996	12828	14661	16493	18326	3500
3600	3770	4712	5655	6597	7540	9425	11310	13195	15080	16965	18850	3600
3700	3875	4843	5812	6781	7749	9687	11624	13561	15499	17436	19373	3700
3800	3979	4974	5969	6964	7959	9948	11938	13928	15917	17907	19897	3800
3900	4084	5105	6126	7147	8168	10210	12252	14294	16336	18378	20420	3900
4000	4189	5236	6283	7330	8378	10472	12566	14661	16755	18850	20944	4000
4100	4294	5367	6440	7514	8587	10734	12881	15027	17174	19321	21468	4100

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To determine the peripheral speed of the wheel or the number of linear feet traveled per minute on its outer perimeter (face), multiply the revolutions per minute of the spindle by the circumference of the wheel (in feet). For example the known RPM of a the spindle is 800. The wheel diameter is 4 inches then divide by 12. Take that (.333) and multiplied by  $\pi$  (3.1416) and then multiply by RPM (800).

or  

$$SFPM = (RPM \times Dia.) / 3.82$$



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