

BLADE PARAMETER CHART

Blade Diameter mm/inches	Blade Peripheral Speed (m/sec)								
	20	25	30	35	40	45	50	55	60
	Spindle rpm								
200/8	1911	2389	2860	3343	3821	4299	4777	5254	5732
250/10	1529	1911	2292	2675	3057	3439	3821	4203	4585
300/12	1274	1592	1910	2229	2547	2866	3184	3503	2821
350/14	1092	1365	1637	1910	2183	2456	2729	3002	3275
400/16	955	1194	1433	1671	1910	2149	2388	2627	2866
450/18	849	1062	1273	1486	1698	1910	2123	2335	2547
500/20	764	955	1146	1337	1528	1719	1910	2101	2292
550/22	695	869	1042	1215	1389	1563	1737	1910	2084
600/24	637	796	955	1114	1273	1433	1592	1751	1910
625/25	611	764	917	1070	1223	1376	1529	1681	1834
700/28	546	682	818	955	1091	1228	1364	1501	1637
725/29	527	659	790	922	1054	1186	1318	1449	1581
800/32	478	597	716	835	955	1074	1194	1313	1433
825/33	463	579	691	811	926	1042	1158	1284	1390

Optimum blade speed is measured at the edge (periphery) of the blade.

Blade Peripheral Speed (BPS) is a function of: Blade Diameter and Spindle rpm.

This chart is as a guide to determine the combination of blade size and spindle speed to achieve the appropriate BPS to ensure optimum stone sawing performance.

As a general rule, the following BPS is recommended:

Granite – 35 m/sec • Marble – 50 m/sec • Limestone – 55 m/sec

