

CONVERSION TABLE - WHEEL SPEEDS



Revolutions per minute for various diameters of grinding wheels to give peripheral speed in meters/sec. as indicated.

| PERIPHERAL SPEED IN METERS / SEC. | | | | | | | | | | | | | | | | |
|-----------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Diameter in mm | 22 m/s | 23 m/s | 25 m/s | 28 m/s | 30 m/s | 33 m/s | 35 m/s | 40 m/s | 42 m/s | 45 m/s | 48 m/s | 50 m/s | 55 m/s | 60 m/s | 70 m/s | 80 m/s |
| REVOLUTIONS PER MINUTE (APPROX.) | | | | | | | | | | | | | | | | |
| 25 | 16800 | 17600 | 19100 | 21500 | 22900 | 25000 | 26500 | 30500 | 32000 | 34500 | 36500 | 38000 | 42000 | 46000 | | |
| 50 | 8400 | 8800 | 9500 | 10800 | 11500 | 12600 | 13400 | 15300 | 16100 | 17200 | 18300 | 19100 | 21100 | 23000 | | |
| 80 | 5200 | 5500 | 6000 | 6800 | 7100 | 7900 | 8400 | 9500 | 10100 | 10700 | 11400 | 12000 | 13200 | 14300 | | |
| 100 | 4200 | 4400 | 4750 | 5400 | 5700 | 6300 | 6700 | 7600 | 8100 | 8600 | 9200 | 9600 | 10600 | 11500 | | |
| 125 | 3350 | 3500 | 3800 | 4300 | 4600 | 5050 | 5600 | 6100 | 6500 | 6900 | 7300 | 7600 | 8400 | 9200 | | |
| 150 | 2800 | 2950 | 3200 | 3600 | 3800 | 4200 | 4450 | 5100 | 5400 | 5700 | 6100 | 6400 | 7000 | 7600 | | |
| 180 | 2330 | 2430 | 2650 | 3000 | 3200 | 3500 | 3800 | 4250 | 4450 | 4750 | 5100 | 5300 | 5900 | 6400 | 7400 | 8500 |
| 200 | 2070 | 2160 | 2350 | 2620 | 2820 | 3100 | 3300 | 3750 | 3950 | 4250 | 4500 | 4700 | 5200 | 5600 | 6600 | 7500 |
| 230 | 1820 | 1910 | 2070 | 2320 | 2490 | 2740 | 2900 | 3320 | 3490 | 3730 | 4000 | 4150 | 4670 | 4980 | 5820 | 6600 |
| 250 | 1650 | 1720 | 1880 | 2100 | 2230 | 2500 | 2650 | 3000 | 3150 | 3400 | 3600 | 3750 | 4150 | 4500 | 5300 | 6000 |
| 300 | 1370 | 1440 | 1570 | 1750 | 1880 | 2070 | 2190 | 2500 | 2600 | 2800 | 3000 | 3150 | 3450 | 3750 | 4400 | 5000 |
| 350 | 1180 | 1240 | 1350 | 1500 | 1610 | 1780 | 1890 | 2160 | 2250 | 2400 | 2600 | 2700 | 2950 | 3250 | 3750 | 4300 |
| 400 | 1030 | 1080 | 1180 | 1320 | 1410 | 1550 | 1650 | 1880 | 1970 | 2120 | 2260 | 2350 | 2600 | 2850 | 3300 | 3750 |
| 450 | 900 | 960 | 1050 | 1170 | 1250 | 1380 | 1470 | 1680 | 1760 | 1880 | 2010 | 2090 | 2300 | 2500 | 2950 | 3350 |
| 500 | 830 | 870 | 940 | 1050 | 1130 | 1240 | 1320 | 1500 | 1580 | 1700 | 1810 | 1880 | 2060 | 2260 | 2650 | 3000 |
| 550 | 750 | 790 | 860 | 960 | 1030 | 1130 | 1200 | 1370 | 1440 | 1550 | 1650 | 1710 | 1910 | 2085 | | |
| 600 | 690 | 720 | 780 | 880 | 940 | 1030 | 1090 | 1250 | 1320 | 1410 | 1500 | 1570 | 1750 | 1910 | | |
| 650 | 640 | 670 | 720 | 810 | 870 | 960 | 1020 | 1160 | 1210 | 1310 | 1390 | 1450 | 1615 | 1765 | | |
| 700 | 590 | 620 | 670 | 750 | 810 | 890 | 940 | 1080 | 1130 | 1210 | 1290 | 1350 | 1500 | 1640 | | |
| 750 | 550 | 580 | 630 | 700 | 750 | 830 | 880 | 1000 | 1050 | 1130 | 1210 | 1260 | 1400 | 1530 | | |
| 800 | 520 | 550 | 580 | 660 | 700 | 770 | 820 | 940 | 980 | 1060 | 1130 | 1170 | 1315 | 1435 | | |
| 900 | 460 | 480 | 520 | 580 | 630 | 690 | 730 | 840 | 880 | 940 | 1000 | 1050 | 1170 | 1275 | | |
| 1000 | 415 | 430 | 460 | 530 | 560 | 620 | 660 | 750 | 790 | 850 | 910 | 940 | 1050 | 1145 | | |
| 1060 | 395 | 415 | 450 | 505 | 540 | 595 | 630 | 720 | 760 | 810 | 865 | 900 | 990 | 1080 | | |
| 1100 | 380 | 400 | 430 | 490 | 520 | 570 | 610 | 690 | 730 | 780 | 830 | 870 | | | | |
| 1200 | 345 | 360 | 400 | 440 | 470 | 520 | 550 | 630 | 660 | 710 | 750 | 780 | | | | |

BONDED ABRASIVES