

Common Conversion Formulas

Temperature

Fahrenheit (°F) to Celsius (°C) : $(^{\circ}F - 32) \times \frac{5}{9} = ^{\circ}C$

Celsius (°C) to Fahrenheit (°F) : $(^{\circ}C \times \frac{9}{5}) + 32 = ^{\circ}F$

Pressure

Pound per Square Inch (PSI) to BAR : $(PSI) \times 0.000478 = BAR$

BAR to PSI : $(BAR) \times 14.50 = PSI$

Atmosphere (Atm) to PSI : $(Atm) \times 14.69 = PSI$

Atmosphere (Atm) to BAR : $(Atm) \times 1.013 = BAR$

Rotations per Minute (RPM) to Feet per Minute (FPM) Conversion Chart

Shaft Size in Inches

| RPM | 1/2" | 1" | 2" | 3" | 4" | 5" | 6" | 7" | 8" | 9" | 10" |
|------|------|------|------|------|------|------|------|------|-------|-------|-------|
| 100 | 13 | 26 | 52 | 79 | 105 | 131 | 157 | 183 | 209 | 236 | 262 |
| 250 | 33 | 65 | 131 | 196 | 262 | 327 | 393 | 458 | 523 | 589 | 654 |
| 500 | 65 | 131 | 262 | 393 | 523 | 654 | 785 | 916 | 1047 | 1178 | 1308 |
| 750 | 98 | 196 | 393 | 589 | 785 | 981 | 1178 | 1374 | 1570 | 1766 | 1963 |
| 1000 | 131 | 262 | 523 | 785 | 1047 | 1308 | 1570 | 1832 | 2093 | 2355 | 2617 |
| 1250 | 164 | 327 | 654 | 981 | 1308 | 1635 | 1963 | 2290 | 2617 | 2944 | 3271 |
| 1500 | 196 | 393 | 785 | 1178 | 1570 | 1963 | 2355 | 2748 | 3140 | 3533 | 3925 |
| 1750 | 229 | 458 | 916 | 1374 | 1832 | 2290 | 2748 | 3205 | 3663 | 4121 | 4579 |
| 2000 | 262 | 523 | 1047 | 1570 | 2093 | 2617 | 3140 | 3663 | 4187 | 4710 | 5233 |
| 2250 | 294 | 589 | 1178 | 1766 | 2355 | 2944 | 3533 | 4121 | 4710 | 5299 | 5888 |
| 2500 | 327 | 654 | 1308 | 1963 | 2617 | 3271 | 3925 | 4579 | 5233 | 5888 | 6542 |
| 2750 | 360 | 720 | 1439 | 2159 | 2878 | 3598 | 4318 | 5037 | 5757 | 6476 | 7196 |
| 3000 | 393 | 785 | 1570 | 2355 | 3140 | 3925 | 4710 | 5495 | 6280 | 7065 | 7850 |
| 3250 | 425 | 850 | 1701 | 2551 | 3402 | 4252 | 5103 | 5953 | 6803 | 7654 | 8504 |
| 3500 | 458 | 916 | 1832 | 2748 | 3663 | 4579 | 5495 | 6411 | 7327 | 8243 | 9158 |
| 3750 | 491 | 981 | 1963 | 2944 | 3925 | 4906 | 5888 | 6869 | 7850 | 8831 | 9813 |
| 4000 | 523 | 1047 | 2093 | 3140 | 4187 | 5233 | 6280 | 7327 | 8373 | 9420 | 10467 |
| 4250 | 556 | 1112 | 2224 | 3336 | 4448 | 5560 | 6673 | 7785 | 8897 | 10009 | 11121 |
| 4500 | 589 | 1178 | 2355 | 3533 | 4710 | 5888 | 7065 | 8243 | 9420 | 10598 | 11775 |
| 4750 | 621 | 1243 | 2486 | 3729 | 4972 | 6215 | 7458 | 8700 | 9943 | 11186 | 12429 |
| 5000 | 654 | 1308 | 2617 | 3925 | 5233 | 6542 | 7850 | 9158 | 10467 | 11775 | 13083 |

FPM VALUES

Sizes

Inches to Millimeters (mm) : $(Inches) \times 25.4 = mm$

Millimeters (mm) to Inches : $(mm) \times 0.03937 = inches$