

| Inertia | | | | | | | | | | |
|----------------------|--------------------------|--------------------------|---------------------------|---------------------------|--------------------|--------------------------|--------------------------|---------------------------|--------------------------|---------------------------|
| | kg cm ² | kp cm s ² | kg m ² | kp m s ² | oz in ² | oz in s ² | lb in ² | lb in s ² | lb ft ² | lb ft s ² |
| kg cm ² | 1 | 1.019 x 10 ⁻³ | 10 ⁻⁴ | 1.019 x 10 ⁻⁵ | 5.467 | 1.416 x 10 ⁻² | 3.417 x 10 ⁻¹ | 8.850 x 10 ⁻⁴ | 2.373 x 10 ⁻³ | 7.375 x 10 ⁻⁵ |
| kp cm s ² | 980.665 | 1 | 9.806 x 10 ⁻¹² | 10 ⁻² | 5361.76 | 13.8874 | 335.11 | 8.679 x 10 ⁻¹ | 2.32715 | 7.233 x 10 ⁻² |
| kg m ² | 10 ⁴ | 10.1927 | 1 | 1.019 x 10 ⁻¹ | 54674.8 | 141.612 | 3417.17 | 8.851 | 23.7304 | 7.375 x 10 ⁻¹ |
| kp m s ² | 98066.5 | 100 | 9.86065 | 1 | 536176 | 1388.74 | 33.511 | 86.796 | 232.715 | 7.23301 |
| oz in ² | 1.829 x 10 ⁻¹ | 1.865 x 10 ⁻⁴ | 1.829 x 10 ⁻⁵ | 1.865 x 10 ⁻⁶ | 1 | 2.590 x 10 ⁻³ | 6.25 x 10 ⁻² | 1.6188 x 10 ⁻⁴ | 2.340 x 10 ⁻⁴ | 7.349 x 10 ⁻⁵ |
| oz in s ² | 70.6155 | 7.201 x 10 ⁻² | 7.061 x 10 ⁻³ | 7.200 x 10 ⁻⁴ | 386.089 | 1 | 24.1305 | 6.25 x 10 ⁻² | 1.675 x 10 ⁻¹ | 5.208 x 10 ⁻³ |
| lb in ² | 2.926 | 2.984 x 10 ⁻³ | 2.9264 x 10 ⁻⁴ | 2.984 x 10 ⁻⁵ | 16 | 4.144 x 10 ⁻² | 1 | 2.590 x 10 ⁻³ | 6.944 x 10 ⁻³ | 2.1548 x 10 ⁻⁴ |
| lb in s ² | 1129.85 | 1.15212 | 1.29 x 10 ⁻¹ | 1.152 x 10 ⁻² | 6177.42 | 16 | 386.089 | 1 | 2.68117 | 8.333 x 10 ⁻² |
| lb ft ² | 421.401 | 4.297 x 10 ⁻¹ | 4.214 x 10 ⁻² | 4.2971 x 10 ⁻³ | 2304 | 5.96754 | 144 | 3.729 x 10 ⁻¹ | 1 | 3.108 x 10 ⁻² |
| lb ft s ² | 13558.2 | 13.826 | 1.355 | 1.382 x 10 ⁻¹ | 74129 | 192 | 4633.06 | 12 | 32.174 | 1 |

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