



7 Table of Comparative Gear Pitch

| Diametral pitch | Pitch | | Module <i>m</i> |
|-----------------|--------|--------|-----------------|
| | in | mm | |
| 1 | 3.1416 | 79.796 | 25.4000 |
| 1.0053 | 3 1/8 | 79.375 | 25.2658 |
| 1.0160 | 3.0921 | 78.540 | 25 |
| 1.0472 | 3 | 76.200 | 24.2550 |
| 1.0583 | 2.9684 | 75.398 | 24 |
| 1.0640 | 2.9528 | 75 | 23.8732 |
| 1.0927 | 2 7/8 | 73.025 | 23.2446 |
| 1.1399 | 2.7559 | 70 | 22.2817 |
| 1.1424 | 2 3/4 | 69.850 | 22.2339 |
| 1.1545 | 2.7211 | 69.115 | 22 |
| 1.1968 | 2 3/8 | 66.675 | 21.2233 |
| 1.2276 | 2.5591 | 65 | 20.6901 |
| 1.25 | 2.5133 | 63.837 | 20.3200 |
| 1.2566 | 2 1/2 | 63.500 | 20.2127 |
| 1.27 | 2.4737 | 62.832 | 20 |
| 1.3228 | 2 3/8 | 60.325 | 19.2020 |
| 1.3299 | 2.3622 | 60 | 19.0986 |
| 1.3963 | 2 1/4 | 57.150 | 18.1914 |
| 1.4111 | 2.2263 | 56.549 | 18 |
| 1.4508 | 2.1654 | 55 | 17.5070 |
| 1.4784 | 2 1/8 | 53.975 | 17.1808 |
| 1.5 | 2.0944 | 53.198 | 16.9333 |
| 1.5708 | 2 | 50.8 | 16.1701 |
| 1.5875 | 1.9790 | 50.265 | 16 |
| 1.5959 | 1.9685 | 50 | 15.9155 |
| 1.6755 | 1 7/8 | 47.625 | 15.1595 |
| 1.6933 | 1.8553 | 47.124 | 15 |
| 1.75 | 1.7952 | 45.598 | 14.5143 |
| 1.7733 | 1.7717 | 45 | 14.3239 |
| 1.7952 | 1 3/4 | 44.45 | 14.1489 |
| 1.8143 | 1.7316 | 43.982 | 14 |
| 1.9333 | 1 5/8 | 41.275 | 13.1382 |
| 1.9538 | 1.6079 | 40.841 | 13 |
| 1.9949 | 1.5748 | 40 | 12.7324 |
| 2 | 1.5708 | 39.898 | 12.7000 |
| 2.0944 | 1 1/2 | 38.1 | 12.1276 |
| 2.0999 | 1.4961 | 38 | 12.0958 |
| 2.1167 | 1.4842 | 37.699 | 12 |
| 2.1855 | 1 7/16 | 36.513 | 11.6223 |
| 2.2166 | 1.4173 | 36 | 11.4592 |
| 2.25 | 1.3963 | 35.465 | 11.2889 |
| 2.2848 | 1 3/8 | 34.925 | 11.1170 |
| 2.3091 | 1.3606 | 34.559 | 11 |
| 2.3470 | 1.3386 | 34 | 10.8225 |
| 2.3936 | 1 5/16 | 33.338 | 10.6117 |
| 2.4936 | 1.2598 | 32 | 10.1859 |
| 2.5 | 1.2566 | 31.919 | 10.1600 |
| 2.5133 | 1 1/4 | 31.750 | 10.1063 |
| 2.54 | 1.2369 | 31.416 | 10 |
| 2.6456 | 1 3/16 | 30.163 | 9.6010 |
| 2.6599 | 1.1811 | 30 | 9.5493 |
| 2.75 | 1.1424 | 29.017 | 9.2364 |
| 2.7925 | 1 1/8 | 28.575 | 9.0957 |
| 2.8222 | 1.1132 | 28.274 | 9 |
| 2.8499 | 1.1024 | 28 | 8.9127 |

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|-----------------|--------|--------|-----------------|
| | in | mm | |
| 2.9568 | 1 1/16 | 26.988 | 8.5904 |
| 3 | 1.0472 | 26.599 | 8.4667 |
| 3.0691 | 1.0236 | 26 | 8.2761 |
| 3.1416 | 1 | 25.4 | 8.0851 |
| 3.175 | .9895 | 25.133 | 8 |
| 3.1919 | .9843 | 25 | 7.9577 |
| 3.25 | .9666 | 24.553 | 7.8154 |
| 3.3249 | .9449 | 24 | 7.6394 |
| 3.3510 | 15/16 | 23.813 | 7.5798 |
| 3.5 | .8976 | 22.799 | 7.2571 |
| 3.5904 | 7/8 | 22.225 | 7.0744 |
| 3.6271 | .8661 | 22 | 7.0028 |
| 3.6286 | .8658 | 21.991 | 7 |
| 3.75 | .8378 | 21.279 | 6.7733 |
| 3.8666 | 13/16 | 20.638 | 6.5691 |
| 3.9898 | .7874 | 20 | 6.3662 |
| 4 | .7854 | 19.949 | 6.3500 |
| 4.1888 | 3/4 | 19.05 | 6.0638 |
| 4.1998 | .7480 | 19 | 6.0479 |
| 4.2333 | .7421 | 18.850 | 6 |
| 4.4331 | .7087 | 18 | 5.7296 |
| 4.5 | .6981 | 17.733 | 5.6444 |
| 4.5696 | 11/16 | 17.463 | 5.5585 |
| 4.6182 | .6803 | 17.279 | 5.5 |
| 4.6939 | .6693 | 17 | 5.4113 |
| 4.9873 | .6299 | 16 | 5.0930 |
| 5 | .6283 | 15.959 | 5.0800 |
| 5.0265 | 5/8 | 15.875 | 5.0532 |
| 5.08 | .6184 | 15.708 | 5 |
| 5.3198 | .5906 | 15 | 4.7746 |
| 5.5 | .5712 | 14.508 | 4.6182 |
| 5.5851 | 1/2 | 14.288 | 4.5479 |
| 5.6444 | .5566 | 14.137 | 4.5 |
| 5.6997 | .5512 | 14 | 4.4563 |
| 6 | .5236 | 13.299 | 4.2333 |
| 6.1382 | .5118 | 13 | 4.1380 |
| 6.2832 | 1/2 | 12.7 | 4.0425 |
| 6.35 | .4947 | 12.566 | 4 |
| 6.5 | .4833 | 12.276 | 3.9077 |
| 6.6497 | .4724 | 12 | 3.8197 |
| 7 | .4488 | 11.399 | 3.6286 |
| 7.1808 | 3/16 | 11.113 | 3.5372 |
| 7.2542 | .4331 | 11 | 3.5014 |
| 7.2571 | .4329 | 10.996 | 3.5 |
| 7.9796 | .3937 | 10 | 3.1831 |
| 8 | .3927 | 9.975 | 3.175 |
| 8.3776 | 3/8 | 9.525 | 3.0319 |
| 8.3996 | .3740 | 9.5 | 3.0239 |
| 8.4667 | .3711 | 9.425 | 3 |
| 8.8663 | .3543 | 9 | 2.8648 |
| 9 | .3491 | 8.866 | 2.8222 |
| 9.2364 | .3401 | 8.639 | 2.75 |
| 9.3878 | .3346 | 8.5 | 2.7056 |
| 9.9746 | .3150 | 8 | 2.5465 |
| 10 | .3142 | 7.980 | 2.54 |

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|-----------------|-------|-------|-----------------|
| | in | mm | |
| 10.0531 | 3/16 | 7.938 | 2.5266 |
| 10.16 | .3092 | 7.854 | 2.5 |
| 10.6395 | .2953 | 7.5 | 2.3873 |
| 11 | .2856 | 7.254 | 2.3091 |
| 11.2889 | .2783 | 7.069 | 2.25 |
| 11.3995 | .2756 | 7 | 2.2282 |
| 12 | .2618 | 6.650 | 2.1167 |
| 12.2764 | .2559 | 6.5 | 2.0690 |
| 12.5664 | 1/4 | 6.35 | 2.0213 |
| 12.7 | .2474 | 6.283 | 2 |
| 13 | .2417 | 6.138 | 1.9538 |
| 13.2994 | .2362 | 6 | 1.9099 |
| 14 | .2244 | 5.700 | 1.8143 |
| 14.5084 | .2165 | 5.5 | 1.7507 |
| 14.5143 | .2164 | 5.498 | 1.75 |
| 15 | .2094 | 5.320 | 1.6933 |
| 15.9593 | .1969 | 5 | 1.5915 |
| 16 | .1963 | 4.987 | 1.5875 |
| 16.7552 | 5/16 | 4.763 | 1.5160 |
| 16.9333 | .1855 | 4.712 | 1.5 |
| 17.7325 | .1772 | 4.5 | 1.4324 |
| 18 | .1745 | 4.433 | 1.4111 |
| 19.9491 | .1575 | 4 | 1.2732 |
| 20 | .1571 | 3.990 | 1.27 |
| 20.32 | .1546 | 3.927 | 1.25 |
| 22 | .1428 | 3.627 | 1.1545 |
| 22.7990 | .1378 | 3.5 | 1.1141 |
| 23 | .1366 | 3.469 | 1.1043 |
| 24 | .1309 | 3.325 | 1.0583 |
| 25 | .1257 | 3.192 | 1.016 |
| 25.1327 | 1/8 | 3.175 | 1.0106 |
| 25.4 | .1237 | 3.142 | 1 |
| 26 | .1208 | 3.069 | .9769 |
| 26.5988 | .1181 | 3 | .9549 |
| 28 | .1122 | 2.850 | .9071 |
| 29 | .1083 | 2.752 | .8759 |
| 30 | .1047 | 2.660 | .8467 |
| 31.75 | .0989 | 2.513 | .8 |
| 31.9186 | .0984 | 2.5 | .7958 |
| 32 | .0982 | 2.494 | .7938 |
| 33.8667 | .0928 | 2.356 | .75 |
| 34 | .0924 | 2.347 | .7471 |
| 36 | .0873 | 2.217 | .7056 |
| 38 | .0827 | 2.100 | .6684 |
| 39.8982 | .0787 | 2 | .6366 |
| 40 | .0785 | 1.995 | .635 |
| 45 | .0698 | 1.773 | .5644 |
| 50 | .0628 | 1.596 | .5080 |
| 50.2655 | 1/16 | 1.588 | .5053 |
| 50.8 | .0618 | 1.571 | .5 |
| 53.1976 | .0591 | 1.5 | .4775 |
| 63.5 | .0495 | 1.256 | .4 |
| 79.7965 | .0394 | 1 | .3183 |
| 84.6667 | .0371 | .942 | .3 |
| 127 | .0247 | .628 | .2 |