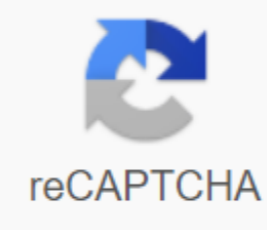




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Acme Thread Specifications Chart. The following table defines recommended industry standard sizes for External ACME General Purpose Threads per American National Standard ASME/ANSI B1.5. There are three classes of General Purpose ACME threads, 2G, 3G, and 4G each class provides some clearance on all standard size diameters for free movement, and are used in assemblies with the internal thread rigidly fixed and movement of the external thread in a direction perpendicular to its axis limited by its bearing or bearings. Designs should only utilize external and internal ACME threads of the same class and type, with Class 2G being the preferred choice. If less backlash or end play is desired, Classes 3G and 4G are provided. Class 5G is not recommended for new designs. The dimensions listed below can be used to determine the diameter along with the thread pitch. For further clarification of thread per inch, please download our gauge guide. External Thread Dimensions Major Dia.Pitch Dia.Minor Dia. Designation Size DecimalTPITol. ClassMaxMinMaxMinMax Min 3/8-12 Acme0.375 12 2G 0.375 0.37 0.3284 0.3161 0.2817 0.2632 1/2-10 Acme0.5 102G 0.5 0.495 0.4443 0.4306 0.38 0.3594 5/8- 4 Acme0.625 42G STUB0.625 0.619 0.5421 0.524 0.455 0.4327 5/8-6 Acme0.625 62G 0.625 0.6167 0.5348 0.5174 0.4383 0.4128 5/8-8 Acme0.625 82G 0.625 0.6188 0.5562 0.5408 0.48 0.457 5/8- 10 Acme0.625 102G 0.625 0.62 0.5693 0.5556 0.505 0.4844 3/4-5 Acme0.75 52G 0.75 0.74 0.642 0.6226 0.53 0.5009 3/4-6 Acme0.75 62G 0.75 0.7417 0.6598 0.6424 0.5633 0.5371 3/4-8 Acme0.75 82G 0.75 0.7438 0.6812 0.6658 0.605 0.582 3/4-10 Acme0.75 102G 0.75 0.745 0.6931 0.6784 0.63 0.608 7/8-5 Acme0.875 52G 0.875 0.865 0.767 0.7476 0.655 0.6259 7/8-6 Acme0.875 62G 0.875 0.8667 0.7842 0.7663 0.6883 0.6615 7/8-8 Acme0.875 72G 0.875 0.8688 0.8062 0.7908 0.73 0.707 1-4 Acme0.875 42G 10.9875 0.8652 0.8429 0.73 0.6965 1-5 Acme1 52G 10.99 0.892 0.8726 0.78 0.7509 1-6 Acme1 62G 10.9917 0.9098 0.8929 0.8133 0.7871 1-8 Acme1 82G 10.9938 0.9312 0.9158 0.855 0.832 1-10Acme1 102G 10.995 0.942 0.9264 0.88 0.8568 1 1/8-4 Acme1.125 42G 1.125 1.125 0.9902 0.9679 0.855 0.8219 1 1/8-5 Acme1.125 52G 1.125 1.115 1.0165 0.9967 0.905 0.8753 1 1/8-6 Acme1.125 62G 1.125 1.1167 1.0312 1.0163 0.9383 0.9115 1 1/4-4 Acme1.25 42G 1.25 1.2375 1.1152 1.0929 0.98 0.9465 1 1/4-5 Acme1.25 52G 1.25 1.24 1.1411 1.121 1.03 0.9998 1 1/4-6 Acme1.25 62G 1.25 1.2417 1.1598 1.1424 1.0633 1.0371 1 1/4-8 Acme1.25 82G 1.25 1.2437 1.1786 1.1612 1.105 1.079 1 3/8-4 Acme1.375 42G 1.375 1.3625 1.2406 1.2186 1.105 1.0719 1 3/8-5 Acme1.375 52G 1.375 1.365 1.2661 1.2461 1.155 1.124 1 3/8-6 Acme1.375 62G 1.375 1.3667 1.2848 1.2674 1.1883 1.1621 1 1/2-4 Acme1.5 42G 1.5 1.4875 1.3652 1.3429 1.23 1.1965 1 1/2-5 Acme1.5 52G 1.5 1.49 1.392 1.3726 1.28 1.2209 1 1/2-6Acme1.5 62G 1.5 1.4834 1.4098 1.3924 1.3133 1.2871 1 3/4-4 Acme1.75 42G 1.75 1.7375 1.6145 1.5916 1.48 1.4456 1 3/4-5 Acme1.75 52G 1.75 1.74 1.642 1.6226 1.53 1.5009 1 3/4-6 Acme1.75 62G 1.75 1.7417 1.6561 1.6359 1.5633 1.5331 2-4 Acme2 42G 2.19875 1.8637 1.8402 1.73 1.6948 2 1/4 - 4 Acme2.25 42G 2.25 2.2375 2.1137 2.0902 1.98 1.9448 2 1/2 -4 Acme2.5 42G 2.5 2.4875 2.3637 2.3402 2.23 2.1948 Internal Thread Dimensions Major Dia.Pitch Dia. Minor Dia. Designation Size DecimalTPITol. ClassMaxMinMaxMinMax Min 3/8-12 Acme0.375 12 2G 0.375 0.385 0.3457 0.3333 0.2967 0.2917 1/2-10 Acme0.5 102G 0.5 0.52 0.4637 0.45 0.405 0.4 5/8- 4 Acme0.625 42G STUB0.6647 0.645 0.5697 0.55 0.4875 0.475 5/8-6 Acme0.625 62G 0.665 0.645 0.5587 0.5417 0.4667 0.4583 5/8-8 Acme0.625 82G 0.665 0.645 0.5779 0.5625 0.5062 0.5 3/4-5 Acme0.75 52G 0.79 0.77 0.6686 0.65 0.56 0.55 3/4-6 Acme0.75 62G 0.79 0.77 0.6841 0.6667 0.5717 0.5833 3/4-8 Acme0.75 82G 0.79 0.77 0.7033 0.6875 0.6312 0.625 3/4-10 Acme0.75 102G 0.79 0.77 0.7147 0.7 0.655 0.65 7/8-5 Acme0.875 52G 0.915 0.895 0.8095 0.7917 0.7167 0.7083 7/8-8 Acme0.875 82G 0.915 0.895 0.8287 0.8125 0.7562 0.75 1-4 Acme0.875 42G 1.04 1.02 0.896 0.875 0.7625 0.75 1-5 Acme1 52G 1.04 1.02 0.9194 0.9 0.81 0.8 1-6 Acme1 62G 1.04 1.02 0.9349 0.9167 0.8417 0.8333 1-8 Acme1 82G 1.04 1.02 0.9541 0.9375 0.8812 0.875 1-10 Acme1 102G 1.04 1.02 0.9655 0.95 0.905 0.9 1 1/8-4 Acme1.125 42G 1.165 1.145 1.0214 1 0.8875 0.875 1 1/8-5 Acme1.125 52G 1.165 1.145 1.0488 1.025 0.935 0.925 1 1/8-6 Acme1.125 62G 1.165 1.145 1.0603 1.0417 0.9667 0.9583 1 1/4-4 Acme1.25 42G 1.29 1.27 1.1467 1.125 1.0125 1 1 1/4-5 Acme1.25 52G 1.29 1.27 1.1701 1.15 1.06 1.05 1 1/4-6 Acme1.25 62G 1.29 1.27 1.1856 1.1667 1.0917 1.0833 1 3/8-4 Acme1.375 42G 1.415 1.395 1.2721 1.25 1.375 1.125 1 3/8-5 Acme1.375 52G 1.415 1.395 1.2955 1.275 1.185 1.175 1 3/8- 6 Acme1.375 62G 1.415 1.395 1.3109 1.2917 1.2167 1.2083 1 1/2-4 Acme1.5 42G 1.5 1.52 1.3973 1.375 1.2625 1.25 1 1/2-5 Acme1.5 52G 1.5 1.52 1.4208 1.4 1.31 1.3 1 1/2-6Acme1.5 62G 1.5 1.52 1.4363 1.4167 1.3417 1.333 1 3/4-4 Acme1.75 42G 1.79 1.77 1.6479 1.625 1.5125 1.5 1 3/4-5 Acme1.75 52G 1.79 1.77 1.6714 1.65 1.56 1.55 1 3/4-6 Acme1.75 62G 1.79 1.77 1.6869 1.6667 1.5917 1.5833 2-4 Acme2 42G 2.04 2.02 1.8985 1.875 1.7625 1.75 2 1/4 - 4 Acme2.25 42G 2.2906 2.27 2.1492 0.125 2.125 2 2 1/2 -4 Acme2.5 42G 2.54 2.52 2.3995 2.375 2.2625 2.25 94 hàng · External general purpose ACME Thread size table chart There are three classes of General Purpose ACME threads, 2G, 3G, and 4G each class provides some clearance on all standard size diameters for free movement, and are used in assemblies with the internal thread rigidly fixed and movement of the external thread in a direction perpendicular to its axis limited by its bearing or bearings. 94 hàng · The following table defines recommended industry standard sizes for Internal ACME General ... Acme thread calculator can be used to find dimensions of general purpose single and multiple start Acme threaded rods and nuts. Calculation can be done for tolerance classes of 2G, 3G and 4G. Tolerance class 2G is the preferred class but if less play and backlash is needed, 3G or 4G can be selected. 94 hàng · The following table defines recommended industry standard sizes for External ACME ... The dimensions listed below can be used to determine the diameter along with the thread pitch. For further clarification of thread per inch, please download our The trapezoidal thread calculator given below can be used to find dimensions of ISO metric single and multiple start trapezoidal threaded rods and nuts. The calculator was developed by using the trapezoidal thread size chart given in the ISO standards. Calculation can be done for different pitch diameter tolerance classes of rods and nuts. acme thread specifications

