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## Dimensional tolerance calculator

Tolerances, Engineering Design & Limits & Fits Resources (This calculator requires a java - enabled browser) This calculator calculates position tolerances utilizing principles and concepts within ASME Y14.5-2018, ASME Y14.5-2009 ASME Y14.5M - 1994, as well as ISO 1101 Geometric Dimensioning and Tolerancing (GD&T). Related Resources: Link to this Webpage: © Copyright 2000 - 2025, by Engineers Edge, LLC [www.engineersedge.com](http://www.engineersedge.com) All rights reservedDisclaimer | Feedback Advertising | Contact Our tool is a fit/tolerance calculator that is addressed to students, employees, and apprentices (trainees) in all technical sectors. Description of Variables Used in GD&T True Position Calculator Notes: Units may be given as inches, mm, meters or whatever. NAN = Values out of range for entered values (values not possible) . GD&T True Position Calculator With Basic Dimension Data Notes: Units may be given as inches, mm, meters or whatever. It calculates upper limit, lower limit, maximum diameter, minimum diameter and range by simply entering a basic size and selecting the desired tolerance (DIN EN ISO 286 norm).We designed this tool to help you calculate tolerances of inner and outer features of journal bearings, linear bearings, thrust bearings, bushings, ball bearings, roller bearings, housings, cylinder bores, drilled holes, linear and precision shafts, pistons, etc.No responsibility is taken for the completeness and correctness of displayed data.Supported shaft tolerances:- h1, h2, h3, h4, h5, h6, h7, h8, h9, h10, h11, h12, h13, h14, h15, h16, h17, h18, a9, a10, a11, a12, a13, b10, b11, b12, b13, c8, c9, c10, c11, c12, cd5, cd6, cd7, cd8, cd9, cd10, d5, d6, d7, d8, d9, d10, d11, d12, d13, e5, e6, e7, e8, e9, e10, ef3, ef4, ef5, ef6, ef7, ef8, ef9, ef10, f3, f4, f5, f6, f7, f8, f9, f10, fg3, fg4, fg5, fg6, fg7, fg8, fg9, fg10, g3, g4, g5, g6, g7, g8, g9, g10, js1, js2, js3, js4, js5, js6, js7, js8, js9, js10, js11, js12, js13, js14, js15, js16, js17, js18, j5, j6, j7, j8, k3, k4, k5, k6, k7, k8, k9, k10, k11, k12, k13, m3, m4, m5, m6, m7, m8, m9, n3, n4, n5, n6, n7, n8, n9, p3, p4, p5, p6, p7, p8, p9, p10, r3, r4, r5, r6, r7, r8, r9, r10, s3, s4, s5, s6, s7, s8, s9, s10, t5,t6, t7, t8, u5, u6, u7, u8, u9, v5, v6, v7, v8, x5, x6, x7, x8, x9, x10, y6, y7, y8, y9, y10, z6, z7, z8, z9, z10, z11, za6, za7, za8, za9, za10, za11, zb7, zb8, zb9, zb10, zb11, zc7, zc8, zc9, zc10, zc11;Supported Hole tolerances:- H1, H2, H3, H4, H5, H6, H7, H8, H9, H10, H11, H12, H13, H14, H15, H16, H17, H18, A9, A10, A11, A12, A13, B10, B11, B12, B13, C8, C9, C10, C11, C12, CD5, CD6, CD7, CD8, CD9, CD10, D5, D6, D7, D8, D9, D10, D11, D12, D13, E5, E6, E7, E8, E9, E10, EF3, EF4, EF5, EF6, EF7, EF8, EF9, EF10, F3, F4, F5, F6, F7, F8, F9, F10, FG3, FG4, FG5, FG6, FG7, FG8, FG9, FG10, G3, G4, G5, G6, G7, G8, G9, G10, JS1, JS2, JS3, JS4, JS5, JS6, JS7, JS8, JS9, JS10, JS11, JS12, JS13, JS14, JS15, JS16, JS17, JS18, J5, J6, J7, J8, K3, K4, K5, K6, K7, K8, K9, K10, K11, K12, K13, M3, M4, M5, M6, M7, M8, M9, N3, N4, N5, N6, N7, N8, N9, P3, P4, P5, P6, P7, P8, P9, P10, R3, R4, R5, R6, R7, R8, R9, R10, S3, S4, S5, S6, S7, S8, S9, S10, T5,T6, T7, T8, U5, U6, U7, U8, U9, V5, V6, V7, V8, X5, X6, X7, X8, X9, X10, Y6, Y7, Y8, Y9, Y10, Z6, Z7, Z8, Z9, Z10, Z11, ZA6, ZA7, ZA8, ZA9, ZA10, ZA11, ZB7, ZB8, ZB9, ZB10, ZB11, ZC7, ZC8, ZC9, ZC10, ZC11; About us | Contact us | Disclaimer | Privacy PolicyCopyright © 2013-2023ISO Tolerance Calculator (Explained) Our tool is a fit/tolerance calculator that is ... Units DO NEED to be consistant (e.g. all inches or all mm).

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