

**ISO 286-2 ROUND BAR TOLERANCES**

NOMINAL SIZE DIAMETER mm	ROUND STEEL ISO TOLERANCE "h SERIES" IN MILLIMETERS							
	h5	h6	h7	h8	h9	h10	h11	h12
1 to 3	-0.004	-0.006	-0.01	-0.014	-0.025	-0.04	0.06	-0.1
	(-0.00016")	(-0.00024")	(-0.00039")	(-0.00055")	(-0.00098")	(-0.00158")	(-0.00236")	(-0.00394")
over 3 to 6	-0.005	-0.008	-0.012	-0.018	-0.03	-0.048	-0.075	-0.12
	(-0.00020")	(-0.00032")	(-0.00047")	(-0.00071")	(-0.00118")	(-0.00189")	(-0.00295")	(-0.00472")
over 6 to 10	-0.006	-0.009	-0.015	-0.022	-0.036	-0.058	-0.09	-0.15
	(-0.00024")	(-0.00035")	(-0.00059")	(-0.00086")	(-0.00142")	(-0.00228")	(-0.00354")	(-0.00591")
over 10 to 18	-0.008	-0.011	-0.018	-0.027	-0.043	-0.07	-0.11	-0.18
	(-0.00032")	(-0.00043")	(-0.00071")	(-0.0010")	(-0.00169")	(-0.00275")	(-0.00433")	(-0.00709")
over 18 to 30	-0.009	-0.013	-0.021	-0.033	-0.052	-0.084	-0.13	-0.21
	(-0.00035")	(-0.00051")	(-0.00083")	(-0.00129")	(-0.00205")	(-0.00331")	(-0.00512")	(-0.00827")
over 30 to 50	-0.011	-0.016	-0.025	-0.039	-0.062	-0.1	-0.16	-0.25
	(-0.00043")	(-0.00063")	(-0.00098")	(-0.00153")	(-0.00244")	(-0.00393")	(-0.00630")	(-0.00984")
over 50 to 80	-0.013	-0.019	-0.03	-0.046	-0.074	-0.12	-0.19	-0.3
	(-0.00051")	(-0.00075")	(-0.00118")	(-0.00181")	(-0.00291")	(-0.00472")	(-0.00748")	(-0.01181")
over 80 to 120	-0.015	-0.022	-0.035	-0.054	-0.087	-0.14	-0.22	-0.35
	(-0.00059")	(-0.00087")	(-0.00138")	(-0.00213")	(-0.00343")	(-0.00551")	(-0.00866")	(-0.01378")
over 120 to 180	-0.018	-0.025	-0.04	-0.063	-0.1	-0.16	-0.25	-0.4
	(-0.00071")	(-0.00098")	(-0.00158")	(-0.00248")	(-0.00393")	(-0.00629")	(-0.00984")	(-0.01575")
over 180 to 250	-0.02	-0.029	-0.046	-0.072	-0.115	-0.185	-0.29	-0.46
	(-0.00079")	(-0.00114")	(-0.00181")	(-0.00283")	(-0.00453")	(-0.00723")	(-0.01142")	(-0.01811")

Tolerances are all plus 0 mm, - mm size. Parenthetical numbers indicate "inches."  
Refer to the above chart for the following example:

Example: a 20 mm Round h9 will have a tolerance of + 0 mm, - 0.052 mm which equals + 0", - 0.00205"

**Equivalent German Specifications**

DIN 668 = h11	DIN 671 = h9	DIN 670 = h8
DIN 669 = h9	DIN 175 = h9	