

ISO Tolerances for Holes per ISO 286-2 H/h-Tolerances

H Tolerances are Plus the Tolerance/-0, h Tolerances are Plus 0/Minus the Tolerance

Table 1. Dimensions in inches

Over	0.118	0.236	0.394	0.709	1.181	1.575	1.969	2.559	3.150	3.937	4.724	5.512	6.299	7.087	7.874	8.858	9.843	11.024	12.402	13.976
Inc.	0.236	0.394	0.709	1.181	1.575	1.969	2.559	3.150	3.937	4.724	5.512	6.299	7.087	7.874	8.858	9.843	11.024	12.402	13.976	15.748
H6	0.0003	0.0004	0.0004	0.0005	0.0006	0.0006	0.0007	0.0007	0.0009	0.0009	0.0010	0.0010	0.0010	0.0011	0.0011	0.0011	0.0013	0.0013	0.0014	0.0014
H7	0.0005	0.0006	0.0007	0.0008	0.0010	0.0010	0.0012	0.0012	0.0014	0.0014	0.0016	0.0016	0.0016	0.0018	0.0018	0.0018	0.0020	0.0020	0.0022	0.0022
H8	0.0007	0.0009	0.0011	0.0013	0.0015	0.0015	0.0018	0.0018	0.0021	0.0021	0.0025	0.0025	0.0025	0.0028	0.0028	0.0028	0.0032	0.0032	0.0035	0.0035
H9	0.0012	0.0014	0.0017	0.0020	0.0024	0.0024	0.0029	0.0029	0.0034	0.0034	0.0039	0.0039	0.0039	0.0045	0.0045	0.0045	0.0051	0.0051	0.0055	0.0055
H10	0.0019	0.0023	0.0028	0.0033	0.0039	0.0039	0.0047	0.0047	0.0055	0.0055	0.0063	0.0063	0.0063	0.0073	0.0073	0.0073	0.0083	0.0083	0.0091	0.0091
H11	0.0030	0.0035	0.0043	0.0051	0.0063	0.0063	0.0075	0.0075	0.0087	0.0087	0.0098	0.0098	0.0098	0.0114	0.0114	0.0114	0.0126	0.0126	0.0142	0.0142

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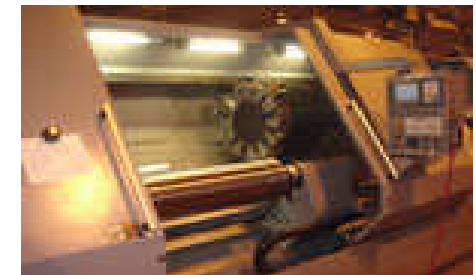
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Table 2. Dimensions in mm

Over	3	6	10	18	30	40	50	65	80	100	120	140	160	180	200	225	250	280	315	355
Inc.	6	10	18	30	40	50	65	80	100	120	140	160	180	200	225	250	280	315	355	400
H6	8	9	11	13	16	16	19	19	22	22	25	25	25	29	29	29	32	32	36	36
H7	12	15	18	21	25	25	30	30	35	35	40	40	40	46	46	46	52	52	57	57
H8	18	22	27	33	39	39	46	46	54	54	63	63	63	72	72	72	81	81	89	89
H9	30	36	43	52	62	62	74	74	87	87	100	100	100	115	115	115	130	130	140	140
H10	48	58	70	84	100	100	120	120	140	140	160	160	160	185	185	185	210	210	230	230
H11	75	90	110	130	160	160	190	190	220	220	250	250	250	290	290	290	320	320	360	360

ISO 1302 N Grade Comparison Chart

Finish	Ground/Honed/Skived Finishes					Smooth Turned		Medium Turned		Rough Machined		
	N1	N2	N3	N4	N5	N6	N7	N8	N9	N10	N11	N12
N Grades Per ISO 1302												
Micro Inch	1	2	4	8	16	32	63	125	250	500	1000	2000
Micro Meter (mm)	0.025	0.05	0.1	0.2	0.4	0.8	1.6	3.2	6.3	12.5	25	50



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