



ISO-Metric Primary Fits



RUNNING & SLIDING FITS		d, e — LOOSE CLEARANCE					f — AVERAGE RUNNING				
LOCATIONAL FITS		g — LOCATIONAL CLEARANCE					h — LOCATIONAL TRANSITION				
FORCE FITS		k — LIGHT DRIVE					p, s — MEDIUM DRIVE				
DIA.	FITS	NOMINAL SIZE RANGE IN INCHES & MILLIMETERS									
		> .063 to ≤ .118 in.	.118 to .236 in.	.236 to .394 in.	.394 to .709 in.	.709 to 1.181 in.	1.181 to 1.969 in.	1.969 to 3.150 in.	3.150 to 4.274 in.	4.274 to 6.299 in.	
		> 1.6 to ≤ 3mm	3 to 6mm	6 to 10mm	10 to 18mm	18 to 30mm	30 to 50mm	50 to 80mm	80 to 120mm	120 to 160mm	
		VALUES (From / To) IN THOUSANDTHS OF A mm									
Hole	H6	+7 0	+8 0	+9 0	+11 0	+13 0	+16 0	+19 0	+22 0	+25 0	
Shaft	g5	-3 -8	-4 -9	-5 -11	-6 -14	-7 -16	-9 -20	-10 -23	-12 -27	-14 -32	
	h5	0 -5	0 -5	0 -6	0 -8	0 -9	0 -11	0 -13	0 -15	0 -18	
	k5		+7 +1	+9 +2	+11 +2	+13 +2	+15 +2	+18 +3	+21 +3	+24 +4	
	p5	+14 +9	+17 +12	+21 +15	+26 +18	+31 +22	+37 +26	+45 +32	+52 +37	+61 +43	
Hole	H7	+9 0	+12 0	+15 0	+18 0	+21 0	+25 0	+30 0	+35 0	+40 0	
Shaft	f6	-7 -14	-10 -18	-13 -22	-16 -27	-20 -33	-25 -41	-30 -49	-36 -53	-43 -68	
	g6	-3 -10	-4 -12	-5 -14	-6 -17	-7 -20	-9 -25	-10 -29	-12 -34	-14 -39	
	h6	0 -7	0 -8	0 -9	0 -11	0 -13	0 -16	0 -19	0 -22	0 -25	
	k6		+10 +1	+12 +1	+15 +2	+18 +2	+21 +2	+25 +3	+28 +3	+33 +4	
	p5	+16 +9	+20 +12	+24 +15	+29 +18	+35 +22	+42 +26	+51 +32	+59 +37	+68 +43	
Hole	H8	+14 0	+18 0	+22 0	+27 0	+33 0	+39 0	+46 0	+54 0	+63 0	
Shaft	e8	-14 -28	-20 -38	-25 -47	-32 -59	-40 -73	-50 -89	-60 -106	-72 -126	-85 -148	
	f8	-7 -21	-10 -28	-13 -35	-16 -43	-20 -53	-25 -64	-30 -76	-36 -90	-43 -106	
	h8	0 -14	0 -18	0 -22	0 -27	0 -33	0 -39	0 -46	0 -54	0 -63	
	s8	+29 +15	+37 +19	+45 +23	+55 +28	+68 +35	+82 +43	+99 +53	+125 +71	+155 +92	
Hole	H9	+25 0	+30 0	+36 0	+43 0	+52 0	+62 0	+74 0	+87 0	+100 0	
Shaft	e9	-14 -39	-20 -50	-25 -61	-32 -75	-40 -92	-50 -112	-60 -134	-72 -159	-85 -185	
	h9	0 -25	0 -30	0 -36	0 -43	0 -52	0 -62	0 -74	0 -87	0 -100	
Hole	H11	+60 0	+75 0	+90 0	+110 0	+130 0	+160 0	+190 0	+220 0	+250 0	
Shaft	d11	-20 -80	-30 -105	-40 -130	-50 -160	-65 -195	-80 -240	-100 -290	-120 -340	-145 -395	
	h11	0 -60	0 -75	0 -90	0 -110	0 -130	0 -160	0 -190	0 -220	0 -250	

Expressed in thousandths of a millimeter



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		> .063 to ≤ .118 in.	.118 to .236 in.	.236 to .394 in.	.394 to .709 in.	.709 to 1.181 in.	1.181 to 1.969 in.	1.969 to 3.150 in.	3.150 to 4.274 in.	4.274 to 6.299 in.	
		> 1.6 to ≤ 3mm	3 to 6mm	6 to 10mm	10 to 18mm	18 to 30mm	30 to 50mm	50 to 80mm	80 to 120mm	120 to 160mm	
		VALUES (From / To) IN INCHES									
Hole	H6	+0.0028 .0000	+0.0031 .0000	+0.0035 .0000	+0.0043 .0000	+0.0051 .0000	+0.0063 .0000	+0.0075 .0000	+0.0087 .0000	+0.0098 .0000	
Shaft	g5	-.0012 -.00031	-.0016 -.00035	-.0020 -.00043	-.0024 -.00055	-.0028 -.00063	-.0035 -.00079	-.0039 -.00091	-.0047 -.00106	-.0055 -.00126	
	h5	.0000 -.00020	.0000 -.00020	.0000 -.00024	.0000 -.00031	.0000 -.00035	.0000 -.00043	.0000 -.00051	.0000 -.00059	.0000 -.00071	
	k5		+0.0028 +0.0004	+0.0035 +0.0008	+0.0043 +0.0008	+0.0051 +0.0008	+0.0059 +0.0008	+0.0071 +0.0012	+0.0083 +0.0012	+0.0094 +0.0016	
	p5	+0.0055 +0.0035	+0.0067 +0.0047	+0.0083 +0.0059	+0.0102 +0.0071	+0.0122 +0.0087	+0.0146 +0.0102	+0.0177 +0.0126	+0.0205 +0.0146	+0.0240 +0.0169	
Hole	H7	+0.0035 .0000	+0.0047 .0000	+0.0059 .0000	+0.0071 .0000	+0.0083 .0000	+0.0098 .0000	+0.0118 .0000	+0.0138 .0000	+0.0157 .0000	
Shaft	f6	-.0028 -.00055	-.0039 -.00071	-.0051 -.00087	-.0063 -.00106	-.0079 -.00130	-.0098 -.00161	-.0118 -.00193	-.0142 -.00209	-.0169 -.00268	
	g6	-.0012 -.00039	-.0016 -.00047	-.0020 -.00055	-.0024 -.00067	-.0028 -.00079	-.0035 -.00098	-.0039 -.00114	-.0047 -.00134	-.0055 -.00154	
	h6	.0000 -.00028	.0000 -.00031	.0000 -.00035	.0000 -.00043	.0000 -.00051	.0000 -.00063	.0000 -.00075	.0000 -.00087	.0000 -.00098	
	k6		+0.0039 +0.0004	+0.0047 +0.0004	+0.0059 +0.0008	+0.0071 +0.0008	+0.0083 +0.0008	+0.0098 +0.0012	+0.0110 +0.0012	+0.0130 +0.0016	
	p5	+0.0063 +0.0035	+0.0079 +0.0047	+0.0094 +0.0059	+0.0114 +0.0071	+0.0138 +0.0087	+0.0165 +0.0102	+0.0201 +0.0126	+0.0232 +0.0146	+0.0268 +0.0169	
Hole	H8	+0.0055 .0000	+0.0071 .0000	+0.0087 .0000	+0.0106 .0000	+0.0130 .0000	+0.0154 .0000	+0.0181 .0000	+0.0213 .0000	+0.0248 .0000	
Shaft	e8	-.0055 -.00110	-.0079 -.00150	-.0098 -.00185	-.0126 -.00232	-.0157 -.00287	-.0197 -.00350	-.0236 -.00417	-.0283 -.00496	-.0335 -.00583	
	f8	-.0028 -.00083	-.0039 -.00110	-.0051 -.00138	-.0063 -.00169	-.0079 -.00209	-.0098 -.00252	-.0118 -.00236	-.0142 -.00354	-.0169 -.00417	
	h8	.0000 -.00055	.0000 -.00071	.0000 -.00087	.0000 -.00106	.0000 -.00130	.0000 -.00154	.0000 -.00181	.0000 -.00213	.0000 -.00248	
	s8	+0.0114 +0.0059	+0.0146 +0.0075	+0.0177 +0.0091	+0.0217 +0.0110	+0.0268 +0.0138	+0.0323 +0.0169	+0.0390 +0.0209	+0.0492 +0.0280	+0.0610 +0.0362	
Hole	H9	+0.0098 .0000	+0.0118 .0000	+0.0142 .0000	+0.0169 .0000	+0.0205 .0000	+0.0244 .0000	+0.0291 .0000	+0.0343 .0000	+0.0394 .0000	
Shaft	e9	-.0055 -.00154	-.0079 -.00197	-.0098 -.00240	-.0126 -.00295	-.0157 -.00362	-.0197 -.00441	-.0236 -.00528	-.0283 -.00626	-.0335 -.00728	
	h9	.0000 -.00098	.0000 -.00118	.0000 -.00142	.0000 -.00169	.0000 -.00205	.0000 -.00244	.0000 -.00291	.0000 -.00343	.0000 -.00394	
Hole	H11	+0.0236 .0000	+0.0295 .0000	+0.0354 .0000	+0.0433 .0000	+0.0512 .0000	+0.0630 .0000	+0.0748 .0000	+0.0087 .0000	+0.0984 .0000	
Shaft	d11	-.0079 -.00315	-.00118 -.00413	-.00157 -.00512	-.00197 -.00630	-.00256 -.00768	-.00315 -.00945	-.00394 -.01142	-.00472 -.01339	-.00571 -.01555	
	h11	.0000 -.00236	.0000 -.00295	.0000 -.00354	.0000 -.00433	.0000 -.00512	.0000 -.00630	.0000 -.00748	.0000 -.00866	.0000 -.00984	

Expressed in inches