



FRACTIONAL/DECIMAL/METRIC EQUIVALENTS

To convert inches to millimetres, multiply the inches by 25.4. • To convert millimetres to inches, divide the millimetres by 25.4 (As established by the American Standards Association.)

inches fractional	decimal	inches fractional	decimal	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches			
	1/64	.0156	33/64	.5156	1	0.0394	51	2.0079	101	3.9764	151	5.9449	201	7.9134	251	9.8819
	1/32	.0312	17/32	.5312	2	0.0787	52	2.0472	102	4.0157	152	5.9843	202	7.9527	252	9.9212
			35/64	.5469	3	0.1181	53	2.0866	103	4.0551	153	6.0236	203	7.9921	253	9.9606
	3/64	.0469			4	0.1575	54	2.1260	104	4.0945	154	6.0630	204	8.0315	254	10.0000
1/16		.0625	9/16	.5625	5	0.1969	55	2.1654	105	4.1339	155	6.1024	205	8.0709	255	10.0394
	5/64	.0781	37/64	.5781	6	0.2362	56	2.2047	106	4.1732	156	6.1417	206	8.1102	256	10.0787
	3/32	.0938	19/32	.5938	7	0.2756	57	2.2441	107	4.2126	157	6.1811	207	8.1496	257	10.1181
	7/64	.1094	39/64	.6094	8	0.3150	58	2.2835	108	4.2520	158	6.2205	208	8.1890	258	10.1575
1/8		.1250	5/8	.6250	9	0.3543	59	2.3228	109	4.2913	159	6.2598	209	8.2283	259	10.1968
	9/64	.1406	41/64	.6406	10	0.3937	60	2.3622	110	4.3307	160	6.2992	210	8.2677	260	10.2362
	5/32	.1562	21/32	.6562	11	0.4331	61	2.4016	111	4.3701	161	6.3386	211	8.3071	261	10.2756
	11/64	.1719	43/64	.6719	12	0.4724	62	2.4409	112	4.4094	162	6.3780	212	8.3464	262	10.3149
3/16		.1875	11/16	.6875	13	0.5118	63	2.4803	113	4.4488	163	6.4173	213	8.3858	263	10.3543
	13/64	.2031	45/64	.7031	14	0.5512	64	2.5197	114	4.4882	164	6.4567	214	8.4252	264	10.3937
	7/32	.2188	23/32	.7188	15	0.5906	65	2.5591	115	4.5276	165	6.4961	215	8.4646	265	10.4331
	15/64	.2344	47/64	.7344	16	0.6299	66	2.5984	116	4.5669	166	6.5354	216	8.5039	266	10.4724
1/4		.2500	3/4	.7500	17	0.6693	67	2.6378	117	4.6063	167	6.5748	217	8.5433	267	10.5118
	17/64	.2656	49/64	.7656	18	0.7087	68	2.6772	118	4.6457	168	6.6142	218	8.5827	268	10.5512
	9/32	.2812	25/32	.7812	19	0.7480	69	2.7165	119	4.6850	169	6.6535	219	8.6220	269	10.5905
	19/64	.2969	51/64	.7969	20	0.7874	70	2.7559	120	4.7244	170	6.6929	220	8.6614	270	10.6299
5/16		.3125	13/16	.8125	21	0.8268	71	2.7953	121	4.7638	171	6.7323	221	8.7008	271	10.6693
	21/64	.3281	53/64	.8281	22	0.8661	72	2.8346	122	4.8031	172	6.7717	222	8.7401	272	10.7086
	11/32	.3438	27/32	.8438	23	0.9055	73	2.8740	123	4.8425	173	6.8110	223	8.7795	273	10.7480
	23/64	.3594	55/64	.8594	24	0.9449	74	2.9134	124	4.8819	174	6.8504	224	8.8189	274	10.7874
3/8		.3750	7/8	.8750	25	0.9843	75	2.9528	125	4.9213	175	6.8898	225	8.8583	275	10.8268
	25/64	.3906	57/64	.8906	26	1.0236	76	2.9921	126	4.9606	176	6.9291	226	8.8976	276	10.8661
	13/32	.4062	29/32	.9062	27	1.0630	77	3.0315	127	5.0000	177	6.9685	227	8.9370	277	10.9055
	27/64	.4219	59/64	.9219	28	1.1024	78	3.0709	128	5.0394	178	7.0079	228	8.9764	278	10.9449
7/16		.4375	15/16	.9375	29	1.1417	79	3.1102	129	5.0787	179	7.0472	229	9.0157	279	10.9842
	29/64	.4531	61/64	.9531	30	1.1811	80	3.1496	130	5.1181	180	7.0866	230	9.0551	280	11.0236
	15/32	.4688	31/32	.9688	31	1.2205	81	3.1890	131	5.1575	181	7.1260	231	9.0945	281	11.0630
1/2		.4844	1	1.0000	32	1.2598	82	3.2283	132	5.1969	182	7.1654	232	9.1338	282	11.1023
	31/64	.5000	63/64	.9844	33	1.2992	83	3.2677	133	5.2362	183	7.2047	233	9.1732	283	11.1417
					34	1.3386	84	3.3071	134	5.2756	184	7.2441	234	9.2126	284	11.1811
					35	1.3780	85	3.3465	135	5.3150	185	7.2835	235	9.2520	285	11.2205
					36	1.4173	86	3.3858	136	5.3543	186	7.3228	236	9.2913	286	11.2598
					37	1.4567	87	3.4252	137	5.3937	187	7.3622	237	9.3307	287	11.2992
					38	1.4961	88	3.4646	138	5.4331	188	7.4016	238	9.3701	288	11.3386
					39	1.5354	89	3.5039	139	5.4724	189	7.4409	239	9.4094	289	11.3779
					40	1.5748	90	3.5433	140	5.5118	190	7.4803	240	9.4488	290	11.4173
					41	1.6142	91	3.5827	141	5.5512	191	7.5197	241	9.4882	291	11.4567
					42	1.6535	92	3.6220	142	5.5906	192	7.5591	242	9.5275	292	11.4960
					43	1.6929	93	3.6614	143	5.6299	193	7.5984	243	9.5669	293	11.5354
					44	1.7323	94	3.7008	144	5.6693	194	7.6378	244	9.6063	294	11.5748
					45	1.7717	95	3.7402	145	5.7087	195	7.6772	245	9.6457	295	11.6142
					46	1.8110	96	3.7795	146	5.7480	196	7.7165	246	9.6850	296	11.6535
					47	1.8504	97	3.8189	147	5.7874	197	7.7559	247	9.7244	297	11.6929
					48	1.8898	98	3.8583	148	5.8268	198	7.7953	248	9.7638	298	11.7323
					49	1.9291	99	3.8976	149	5.8661	199	7.8346	249	9.8031	299	11.7716
					50	1.9685	100	3.9370	150	5.9055	200	7.8740	250	9.8425	300	11.8110