

Sheet1

Imperial to Metric Scales Conversion

1" equals 25.4 mm

Feet Inches	Scale 1 in	7/8" / ft		16mm/ft G			G1 - 10mm G1- 3/8"			O - UK	O - EU	O - US	S	
		12	13.71	16	19.5	22.5	24	30.5	32	35	43.5	45	48	64
1		2.12	1.85	1.59	1.30	1.13	1.06	0.83	0.79	0.73	0.58	0.56	0.53	0.40
2		4.23	3.71	3.18	2.61	2.26	2.12	1.67	1.59	1.45	1.17	1.13	1.06	0.79
3		6.35	5.56	4.76	3.91	3.39	3.18	2.50	2.38	2.18	1.75	1.69	1.59	1.19
4		8.47	7.41	6.35	5.21	4.52	4.23	3.33	3.18	2.90	2.34	2.26	2.12	1.59
5		10.58	9.26	7.94	6.51	5.64	5.29	4.16	3.97	3.63	2.92	2.82	2.65	1.98
6		12.70	11.12	9.53	7.82	6.77	6.35	5.00	4.76	4.35	3.50	3.39	3.18	2.38
7		14.82	12.97	11.11	9.12	7.90	7.41	5.83	5.56	5.08	4.09	3.95	3.70	2.78
8		16.93	14.82	12.70	10.42	9.03	8.47	6.66	6.35	5.81	4.67	4.52	4.23	3.18
9		19.05	16.67	14.29	11.72	10.16	9.53	7.50	7.14	6.53	5.26	5.08	4.76	3.57
10		21.17	18.53	15.88	13.03	11.29	10.58	8.33	7.94	7.26	5.84	5.64	5.29	3.97
11		23.28	20.38	17.46	14.33	12.42	11.64	9.16	8.73	7.98	6.42	6.21	5.82	4.37
12		25.40	22.23	19.05	15.63	13.55	12.70	9.99	9.53	8.71	7.01	6.77	6.35	4.76
1		25.40	22.23	19.05	15.63	13.55	12.70	9.99	9.53	8.71	7.01	6.77	6.35	4.76
2		50.80	44.46	38.10	31.26	27.09	25.40	19.99	19.05	17.42	14.01	13.55	12.70	9.53
3		76.20	66.70	57.15	46.89	40.64	38.10	29.98	28.58	26.13	21.02	20.32	19.05	14.29
4		101.60	88.93	76.20	62.52	54.19	50.80	39.97	38.10	34.83	28.03	27.09	25.40	19.05
5		127.00	111.16	95.25	78.15	67.73	63.50	49.97	47.63	43.54	35.03	33.87	31.75	23.81
6		152.40	133.39	114.30	93.78	81.28	76.20	59.96	57.15	52.25	42.04	40.64	38.10	28.58
7		177.80	155.62	133.35	109.42	94.83	88.90	69.95	66.68	60.96	49.05	47.41	44.45	33.34
8		203.20	177.86	152.40	125.05	108.37	101.60	79.95	76.20	69.67	56.06	54.19	50.80	38.10
9		228.60	200.09	171.45	140.68	121.92	114.30	89.94	85.73	78.38	63.06	60.96	57.15	42.86
10		254.00	222.32	190.50	156.31	135.47	127.00	99.93	95.25	87.09	70.07	67.73	63.50	47.63

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Feet Inches	Scale	16mm/ft G					G1 – 10mm G1- 3/8"			O – UK		O – US S		
	1 in	12	16	16	19.5	22.5	24	30.5	32	35	43.5	45	48	64
11		279.40	244.55	209.55	171.94	149.01	139.70	109.93	104.78	95.79	77.08	74.51	69.85	52.39
12		304.80	266.78	228.60	187.57	162.56	152.40	119.92	114.30	104.50	84.08	81.28	76.20	57.15
13		330.20	289.02	247.65	203.20	176.11	165.10	129.91	123.83	113.21	91.09	88.05	82.55	61.91
14		355.60	311.25	266.70	218.83	189.65	177.80	139.91	133.35	121.92	98.10	94.83	88.90	66.68
15		381.00	333.48	285.75	234.46	203.20	190.50	149.90	142.88	130.63	105.10	101.60	95.25	71.44
16		406.40	355.71	304.80	250.09	216.75	203.20	159.90	152.40	139.34	112.11	108.37	101.60	76.20
17		431.80	377.94	323.85	265.72	230.29	215.90	169.89	161.93	148.05	119.12	115.15	107.95	80.96
18		457.20	400.18	342.90	281.35	243.84	228.60	179.88	171.45	156.75	126.12	121.92	114.30	85.73
19		482.60	422.41	361.95	296.98	257.39	241.30	189.88	180.98	165.46	133.13	128.69	120.65	90.49
20		508.00	444.64	381.00	312.62	270.93	254.00	199.87	190.50	174.17	140.14	135.47	127.00	95.25
21		533.40	466.87	400.05	328.25	284.48	266.70	209.86	200.03	182.88	147.14	142.24	133.35	100.01
22		558.80	489.10	419.10	343.88	298.03	279.40	219.86	209.55	191.59	154.15	149.01	139.70	104.78
23		584.20	511.33	438.15	359.51	311.57	292.10	229.85	219.08	200.30	161.16	155.79	146.05	109.54
24		609.60	533.57	457.20	375.14	325.12	304.80	239.84	228.60	209.01	168.17	162.56	152.40	114.30
25		635.00	555.80	476.25	390.77	338.67	317.50	249.84	238.13	217.71	175.17	169.33	158.75	119.06
26		660.40	578.03	495.30	406.40	352.21	330.20	259.83	247.65	226.42	182.18	176.11	165.10	123.83
27		685.80	600.26	514.35	422.03	365.76	342.90	269.82	257.18	235.13	189.19	182.88	171.45	128.59
28		711.20	622.49	533.40	437.66	379.31	355.60	279.82	266.70	243.84	196.19	189.65	177.80	133.35
29		736.60	644.73	552.45	453.29	392.85	368.30	289.81	276.23	252.55	203.20	196.43	184.15	138.11
30		762.00	666.96	571.50	468.92	406.40	381.00	299.80	285.75	261.26	210.21	203.20	190.50	142.88

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Imperial to Metric Scales Conversion

Feet Inches	Scale	16mm/ft					G			G1 – 10mm		G1- 3/8"		O – UK		O – US		
	1 in	12	16	16	19.5	22.5	24	30.5	32	35	43.5	45	48	64				
30		762.00	666.96	571.50	468.92	406.40	381.00	299.80	285.75	261.26	210.21	203.20	190.50	142.88				
40		1016.00	889.28	762.00	625.23	541.87	508.00	399.74	381.00	348.34	280.28	270.93	254.00	190.50				
50		1270.00	1111.60	952.50	781.54	677.33	635.00	499.67	476.25	435.43	350.34	338.67	317.50	238.13				
60		1524.00	1333.92	1143.00	937.85	812.80	762.00	599.61	571.50	522.51	420.41	406.40	381.00	285.75				
70		1778.00	1556.24	1333.50	1094.15	948.27	889.00	699.54	666.75	609.60	490.48	474.13	444.50	333.38				
80		2032.00	1778.56	1524.00	1250.46	1083.73	1016.00	799.48	762.00	696.69	560.55	541.87	508.00	381.00				
90		2286.00	2000.88	1714.50	1406.77	1219.20	1143.00	899.41	857.25	783.77	630.62	609.60	571.50	428.63				
100		2540.00	2223.19	1905.00	1563.08	1354.67	1270.00	999.34	952.50	870.86	700.69	677.33	635.00	476.25				
110		2794.00	2445.51	2095.50	1719.38	1490.13	1397.00	1099.28	1047.75	957.94	770.76	745.07	698.50	523.88				
120		3048.00	2667.83	2286.00	1875.69	1625.60	1524.00	1199.21	1143.00	1045.03	840.83	812.80	762.00	571.50				
130		3302.00	2890.15	2476.50	2032.00	1761.07	1651.00	1299.15	1238.25	1132.11	910.90	880.53	825.50	619.13				
140		3556.00	3112.47	2667.00	2188.31	1896.53	1778.00	1399.08	1333.50	1219.20	980.97	948.27	889.00	666.75				
150		3810.00	3334.79	2857.50	2344.62	2032.00	1905.00	1499.02	1428.75	1306.29	1051.03	1016.00	952.50	714.38				
160		4064.00	3557.11	3048.00	2500.92	2167.47	2032.00	1598.95	1524.00	1393.37	1121.10	1083.73	1016.00	762.00				
170		4318.00	3779.43	3238.50	2657.23	2302.93	2159.00	1698.89	1619.25	1480.46	1191.17	1151.47	1079.50	809.63				
180		4572.00	4001.75	3429.00	2813.54	2438.40	2286.00	1798.82	1714.50	1567.54	1261.24	1219.20	1143.00	857.25				
190		4826.00	4224.07	3619.50	2969.85	2573.87	2413.00	1898.75	1809.75	1654.63	1331.31	1286.93	1206.50	904.88				
200		5080.00	4446.39	3810.00	3126.15	2709.33	2540.00	1998.69	1905.00	1741.71	1401.38	1354.67	1270.00	952.50				
210		5334.00	4668.71	4000.50	3282.46	2844.80	2667.00	2098.62	2000.25	1828.80	1471.45	1422.40	1333.50	1000.13				
220		5588.00	4891.03	4191.00	3438.77	2980.27	2794.00	2198.56	2095.50	1915.89	1541.52	1490.13	1397.00	1047.75				
230		5842.00	5113.35	4381.50	3595.08	3115.73	2921.00	2298.49	2190.75	2002.97	1611.59	1557.87	1460.50	1095.38				
240		6096.00	5335.67	4572.00	3751.38	3251.20	3048.00	2398.43	2286.00	2090.06	1681.66	1625.60	1524.00	1143.00				
250		6350.00	5557.99	4762.50	3907.69	3386.67	3175.00	2498.36	2381.25	2177.14	1751.72	1693.33	1587.50	1190.63				

Imperial to Metric Scales Conversion

Feet	Inches	Scale 1 in	OO 72	HO 76	TT 87	N 120	160
	1		0.35	0.33	0.29	0.21	0.16
	2		0.71	0.67	0.58	0.42	0.32
	3		1.06	1.00	0.88	0.64	0.48
	4		1.41	1.34	1.17	0.85	0.64
	5		1.76	1.67	1.46	1.06	0.79
	6		2.12	2.01	1.75	1.27	0.95
	7		2.47	2.34	2.04	1.48	1.11
	8		2.82	2.67	2.34	1.69	1.27
	9		3.18	3.01	2.63	1.91	1.43
	10		3.53	3.34	2.92	2.12	1.59
	11		3.88	3.68	3.21	2.33	1.75
	12		4.23	4.01	3.50	2.54	1.91
	1		4.23	4.01	3.50	2.54	1.91
	2		8.47	8.02	7.01	5.08	3.81
	3		12.70	12.03	10.51	7.62	5.72
	4		16.93	16.04	14.01	10.16	7.62
	5		21.17	20.05	17.52	12.70	9.53
	6		25.40	24.06	21.02	15.24	11.43
	7		29.63	28.07	24.52	17.78	13.34
	8		33.87	32.08	28.03	20.32	15.24
	9		38.10	36.09	31.53	22.86	17.15
	10		42.33	40.11	35.03	25.40	19.05

Imperial to Metric Scales Conversion

Feet	Inches	Scale	OO	HO	TT	N	
		1 in	72	76	87	120	160
11			46.57	44.12	38.54	27.94	20.96
12			50.80	48.13	42.04	30.48	22.86
13			55.03	52.14	45.54	33.02	24.77
14			59.27	56.15	49.05	35.56	26.67
15			63.50	60.16	52.55	38.10	28.58
16			67.73	64.17	56.06	40.64	30.48
17			71.97	68.18	59.56	43.18	32.39
18			76.20	72.19	63.06	45.72	34.29
19			80.43	76.20	66.57	48.26	36.20
20			84.67	80.21	70.07	50.80	38.10
21			88.90	84.22	73.57	53.34	40.01
22			93.13	88.23	77.08	55.88	41.91
23			97.37	92.24	80.58	58.42	43.82
24			101.60	96.25	84.08	60.96	45.72
25			105.83	100.26	87.59	63.50	47.63
26			110.07	104.27	91.09	66.04	49.53
27			114.30	108.28	94.59	68.58	51.44
28			118.53	112.29	98.10	71.12	53.34
29			122.77	116.31	101.60	73.66	55.25
30			127.00	120.32	105.10	76.20	57.15

Imperial to Metric Scales Conversion

Feet	Inches	Scale 1 in	OO		HO		N
			72	76	87	160	
30			127.00	120.32	105.10	76.20	57.15
40			169.33	160.42	140.14	101.60	76.20
50			211.67	200.53	175.17	127.00	95.25
60			254.00	240.63	210.21	152.40	114.30
70			296.33	280.74	245.24	177.80	133.35
80			338.67	320.84	280.28	203.20	152.40
90			381.00	360.95	315.31	228.60	171.45
100			423.33	401.05	350.34	254.00	190.50
110			465.67	441.16	385.38	279.40	209.55
120			508.00	481.26	420.41	304.80	228.60
130			550.33	521.37	455.45	330.20	247.65
140			592.67	561.47	490.48	355.60	266.70
150			635.00	601.58	525.52	381.00	285.75
160			677.33	641.68	560.55	406.40	304.80
170			719.67	681.79	595.59	431.80	323.85
180			762.00	721.89	630.62	457.20	342.90
190			804.33	762.00	665.66	482.60	361.95
200			846.67	802.11	700.69	508.00	381.00
210			889.00	842.21	735.72	533.40	400.05
220			931.33	882.32	770.76	558.80	419.10
230			973.67	922.42	805.79	584.20	438.15
240			1016.00	962.53	840.83	609.60	457.20
250			1058.33	1002.63	875.86	635.00	476.25