

The Drawing Scale Chart

Metric and imperial on one sheet. Model text height for each standard plotted height.

METRIC - ISO 3098 plotted heights

SCALE	FACTOR	1.8 mm	2.5 mm	3.5 mm	5 mm	7 mm
<i>Enlargements</i>						
10:1	0.1	0.18	0.25	0.35	0.5	0.7
5:1	0.2	0.36	0.5	0.7	1	1.4
2:1	0.5	0.9	1.25	1.75	2.5	3.5
<i>Reductions</i>						
1:1	1	1.8	2.5	3.5	5	7
1:2	2	3.6	5	7	10	14
1:2.5	2.5	4.5	6.25	8.75	12.5	17.5
1:5	5	9	12.5	17.5	25	35
1:10	10	18	25	35	50	70
1:20	20	36	50	70	100	140
1:25	25	45	62.5	87.5	125	175
1:50	50	90	125	175	250	350
1:100	100	180	250	350	500	700
1:200	200	360	500	700	1000	1400
1:250	250	450	625	875	1250	1750
1:500	500	900	1250	1750	2500	3500
1:1000	1000	1800	2500	3500	5000	7000
1:1250	1250	2250	3125	4375	6250	8750
1:2500	2500	4500	6250	8750	12500	17500

One factor, four places

Text height = paper height x factor. DIMSCALE = factor. Hatch scale = factor.
LTSCALE is the exception: the factor rule is pre-2008 and only applies when MSLTSCALE and PSLTSCALE are both 0. Since AutoCAD 2008 both default to 1 and LTSCALE stays at 1.

Or make it annotative - AutoCAD then does every multiplication above for you.

paper height x scale factor = model text height

and DIMSCALE = hatch scale = the same factor

IMPERIAL - model height in feet and inches

SCALE	FACTOR	3/32"	1/8"	3/16"	1/4"
<i>Architectural</i>					
3" = 1'-0"	4	3/8"	1/2"	3/4"	1"
1 1/2" = 1'-0"	8	3/4"	1"	1 1/2"	2"
1" = 1'-0"	12	1 1/8"	1 1/2"	2 1/4"	3"
3/4" = 1'-0"	16	1 1/2"	2"	3"	4"
1/2" = 1'-0"	24	2 1/4"	3"	4 1/2"	6"
3/8" = 1'-0"	32	3"	4"	6"	8"
1/4" = 1'-0"	48	4 1/2"	6"	9"	1'
3/16" = 1'-0"	64	6"	8"	1'	1'-4"
1/8" = 1'-0"	96	9"	1'	1'-6"	2'
3/32" = 1'-0"	128	1'	1'-4"	2'	2'-8"
1/16" = 1'-0"	192	1'-6"	2'	3'	4'
1/32" = 1'-0"	384	3'	4'	6'	8'
<i>Civil / engineering</i>					
1" = 10'	120	11 1/4"	1'-3"	1'-10 1/2"	2'-6"
1" = 20'	240	1'-10 1/2"	2'-6"	3'-9"	5'
1" = 30'	360	2'-9 3/4"	3'-9"	5'-7 1/2"	7'-6"
1" = 40'	480	3'-9"	5'	7'-6"	10'
1" = 50'	600	4'-8 1/4"	6'-3"	9'-4 1/2"	12'-6"
1" = 60'	720	5'-7 1/2"	7'-6"	11'-3"	15'
1" = 100'	1200	9'-4 1/2"	12'-6"	18'-9"	25'
1" = 200'	2400	18'-9"	25'	37'-6"	50'

DRAWING SCALE CHART - METRIC & IMPERIAL

SHEET 1 OF 1 | NTS | A4 LANDSCAPE

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