

Metric Sheet Sizes

Sheet Size	Metric Dimensions
Size A0	1189 x 841
Size A1	841 x 594
Size A2	594 x 420
Size A3	420 x 297
Size A4	297 x 210

Page Setup settings...

A0-Size	
Plot Device Name	DWF6 eplot.pc3
Plot Style Table	Office Standard D.ctb
Paper Size	ISO full bleed A0 (841 x 1189 MM)
Units Setting	mm
Orientation	Landscape
Plot Scale	1:1
Plot Area	Layout

A1-Size	
Plot Device Name	DWF6 eplot.pc3
Plot Style Table	Office Standard D.ctb
Paper Size	ANSI full bleed A1 (841 x 594 MM)
Units Setting	mm
Orientation	Landscape
Plot Scale	1:1
Plot Area	Layout

A2-Size	
Plot Device Name	DWF6 eplot.pc3
Plot Style Table	Office Standard D.ctb
Paper Size	ANSI full bleed A2 (594 x 420 MM)
Units Setting	Inches
Orientation	Landscape
Plot Scale	1:1
Plot Area	Layout

Metric templates

A3-Size	
Plot Device Name	DWF6 eplot.pc3
Plot Style Table	Office Standard B.ctb
Paper Size	ANSI full bleed A3 (420 x 297 MM)
Units Setting	mm
Orientation	Landscape
Plot Scale	1:1
Plot Area	Layout

A4-Size	
Plot Device Name	DWF6 eplot.pc3
Plot Style Table	Office Standard Actb
Paper Size	ISO full bleed A4 (297 x 210 MM)
Units Setting	mm
Orientation	Landscape
Plot Scale	1:1
Plot Area	Layout

Text Styles:

Name	Font	Height	Width Factor	Apply to:
N0	Romans.shx	1.5	1`	Very small text
N1	Romans.shx	3	1	Normal Text
N2	Romans.shx	5	0.8	Drawing Number & Title

Name	Font	Height	Width Factor	Apply to:
Arch-Notes	Comic Sans MS	3	1	Notes
Arch-Titles	Comic Sans MS	5	1	Titles
Arch-Dim	Comic Sans MS	0	0.8	Dimensions
Eng-Notes	Arial	3	1	Notes
Eng-Titles	Arial	5	1	Titles
Eng-Dim	Arial	0	0.8	Dimensions

Create Title Blocks: (copy from imperial-template)

If you wish to re-use the entities from the imperial template, use the (windows) Copy & Paste technique. However you need to adjust to metric sizes.

Use **SCALE** (command)

Metric templates

All
0,0 (base point)
25.4
Zoom, all

STRETCH all 5 Title Blocks so that the red Outlines match the Metric Paper sizes.

If you choose to draw your metric Title Blocks from scratch, as you did the imperial Title Blocks, then offset Border 12 mm

Insert the Title Blocks:

After you have properly resized all 5 Title Blocks, make a BLOCK out of each one.

Use the bottom left corner of the red Outline as the insertion point but do **Not** include the red outline in the block definition

Name the blocks A0-size, A1-size etc.

If you pick “convert to block” you can fill in the attributes.

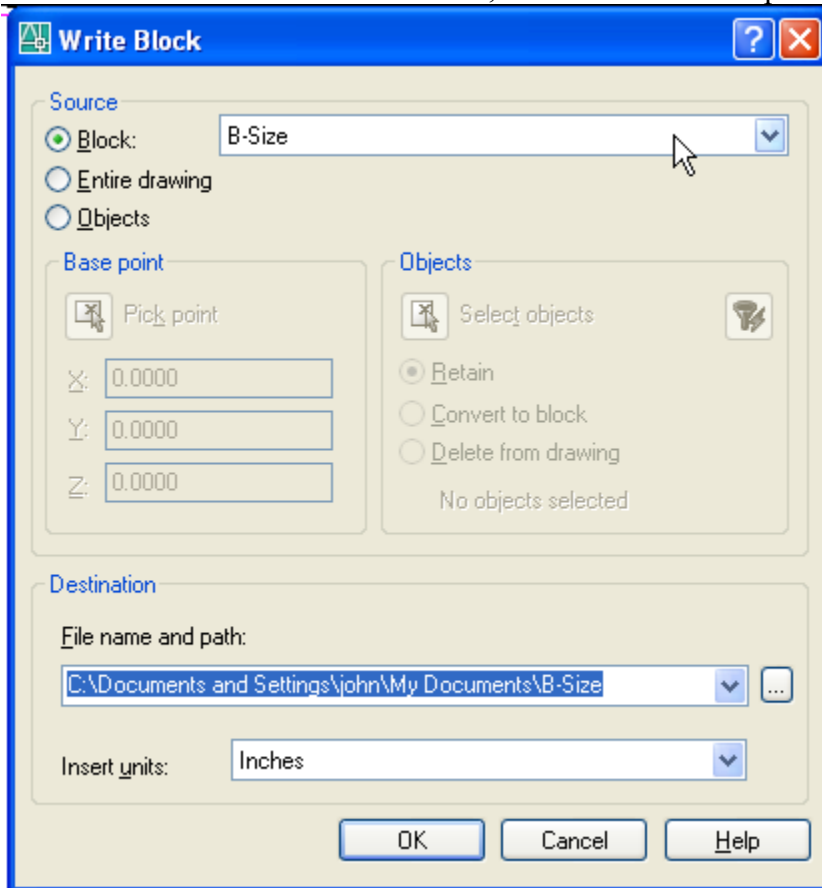
Metric templates

Create “Block library drawings” for all the title blocks.

The block definitions for each of the title blocks reside within the drawing file. This means you can only insert them in this drawing. To be able to use them in other drawings you can write the blocks out as drawings.

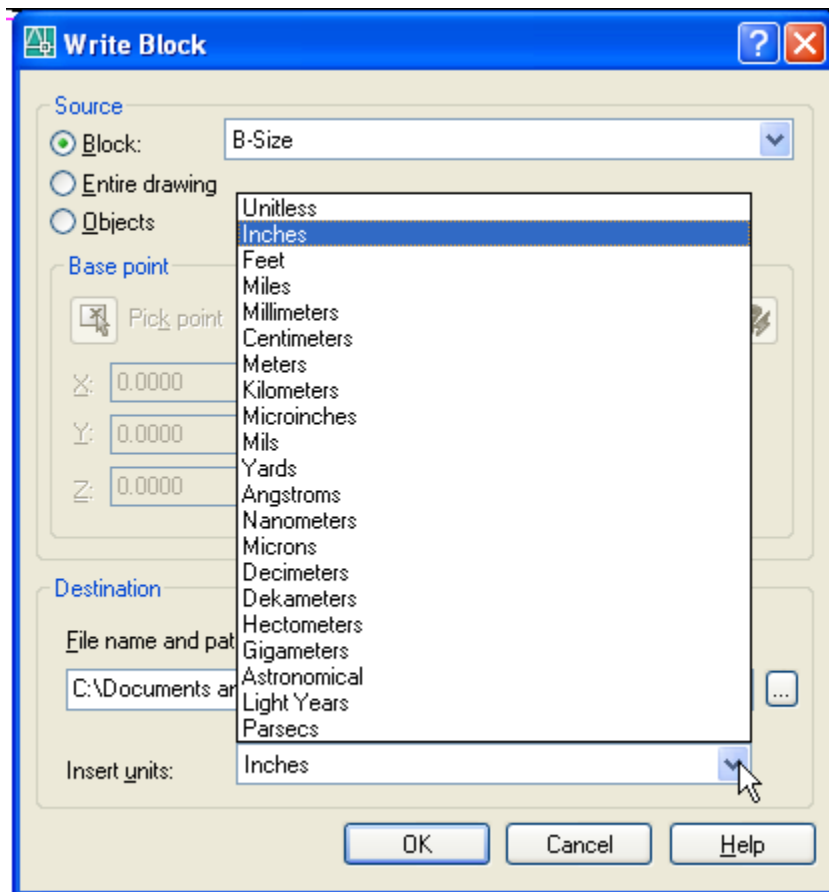
The AutoCAD command is WBLOCK.

To write out the local block definition, select the BLOCK option in the window:



This will create a new drawing (B-size.dwg) in the location indicated by the path. The selection of the insertion units will allow AutoCAD to automatically adjust the title block to other settings.

Metric templates



There are many units to pick, choose carefully. This illustration shows an appropriate setting for the Imperial B-size title blocks. Make sure to change this for the metric sizes.

Metric templates

Dim Styles

ARCH Dim Style:

Lines	Baseline spacing	10
	Colour	BY Layer
	Extension beyond dim line	3
	Offset from origin	1
Arrows	1 st arrow	Architectural Tick
	2 nd arrow	Architectural Tick
	Leaders	Closed filled
	Size	3
	Center	Mark
	Center mark size	1
Text	Text style	Arch-Dim
	Text height	3
	Text colour	Cyan
	Placement Vertical	Above
	Placements horz.	Centered
	Offset from Dim line	1
	Alignment	Aligned with dim line.
Primary Units	Format	Decimal
	Precision	0
	Fraction format	(not needed)
	Angular unit format	Degree Min Sec
	Angular precision	0d
Alternate units	Not used	
Tolerance	Not used	

Create the Orphan leader settings.

This will be a modification for leaders only, use the New option in Dim styles manager window and highlight ARCH. The USE FOR: should be set to **Leaders and Tolerance**.

On the text tab, set vertical placement to Centered.

Metric templates

MECH dim style:

Lines	Baseline spacing	10
	Colour	BY Layer
	Extension beyond dim line	3
	Offset from origin	1
Arrows	1 st arrow	Closed filled
	2 nd arrow	Closed filled
	Leaders	Closed filled
	Size	3
	Center	Mark
	Center mark size	1
Text	Text style	ENG-Dim
	Text height	3
	Text colour	Cyan
	Placement Vertical	Centered
	Placements horz.	Centered
	Offset from dim line	1
	Alignment	Horizontal
Primary Units	Format	Decimal
	Precision	0
	Fraction format	(not needed)
	Angular unit format	Degree Min Sec
	Angular precision	0d
Alternate units	Not used	
Tolerance	Not used	

The leader is ok for MECH.

ENG Dim style:

Similar to ARCH except to change:

- Text is ENG-DIM text style
- Arrows are all Closed filled
- Orphan leader is also required.