

Autodesk Knowledgebase Article Blocks, xrefs or raster images are scaled when inserted

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Applies to:

- AutoCAD® 2009
- AutoCAD® 2008
- AutoCAD® 2007
- AutoCAD® 2006
- AutoCAD LT® 2009
- AutoCAD LT® 2008
- AutoCAD LT® 2007
- AutoCAD LT® 2006

Issue

When you inserted xrefs, raster images or blocks from an external drawing, the scale of the inserted objects was incorrect.

Solution

There are three system variables (**INSUNITS**, **INSUNITSDEFSOURCE**, and **INSUNITSDEFTARGET**) that control the insertion scale for blocks, xrefs and raster images. Inserted objects should automatically be scaled to the units of the host file.

Files that are created with different units will be automatically converted to the units specified in **INSUNITS** if your files have been configured correctly. For example, a file drawn in millimeters will be automatically scaled to meters when you insert it into a drawing that is set up in meters.

However, if the units are not specified correctly in all of the files, the automatic scaling will not work as anticipated.

To deactivate the automatic scaling of blocks and xrefs

1. At the command prompt, enter **INSUNITS**.
2. When you are prompted to enter a new value for **INSUNITS**, enter 0.
3. Repeat steps 1-2 to set the value for the **INSUNITSDEFSOURCE** and **INSUNITSDEFTARGET** variables to 0.

Detailed information about these variables and their possible values can be found in the AutoCAD® Help file.