

AIM

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HOW DO WE OVERRIDE LAYER
SETTINGS?

LAYER SETTINGS

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- ◎ **Layer color**
- ◎ **Linetype**
- ◎ **Lineweight**

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What is the default setting for each layer in the Properties Toolbar?

- **Bylayer**
- This is the most common method for managing these settings.
- Sometimes we may need objects to reference a specific layer, but have specific color, linetype, or lineweight properties different than the layer settings.

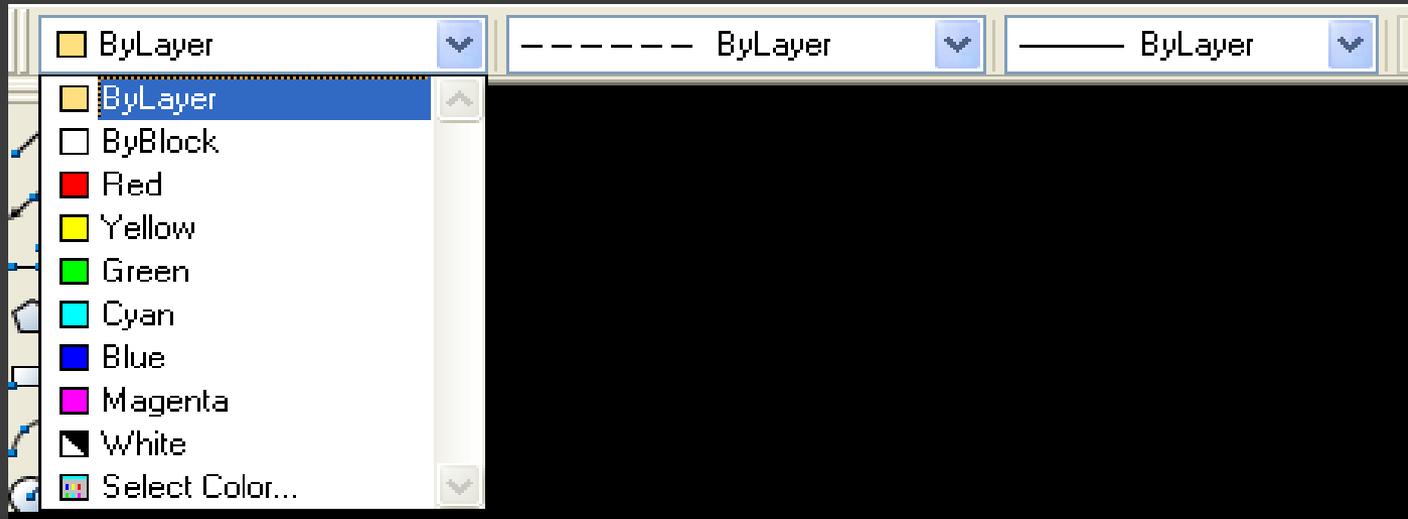
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- First highlight a layer name in the **Layer Properties Manager** dialog box.
- Click the color swatch associated with the layer name to open the **Select Color** dialog box.
- Choose a color from either the **Index Color** tab, the **True Color** tab, or the **Color books** tab.
- Click ok in the **Select Color** dialog box
- Click apply and ok in the **Layer properties Manager** dialog box.



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LAYER SETTINGS

Besides the **Layer Properties Manager** dialog box, where can we change our object color?

LAYER SETTINGS

- Click the **Color Control** drop-down list from the **Properties** toolbar.
- The default setting is Bylayer.
- To change this setting, click another color from the list.
- If the color you want is not on the list
- Click the item at the bottom of the list, labeled **Select Color**, to display the **Select Color** dialog box.
- Or type **COL** or **COLOR** to access the **Select Color** dialog box
- Once an absolute color is specified, all new objects are drawn in the specified color.
- Another way to set the current object color is by using the **CECOLOR** system variable.

LAYER SETTINGS

How do we set our Lineweight in
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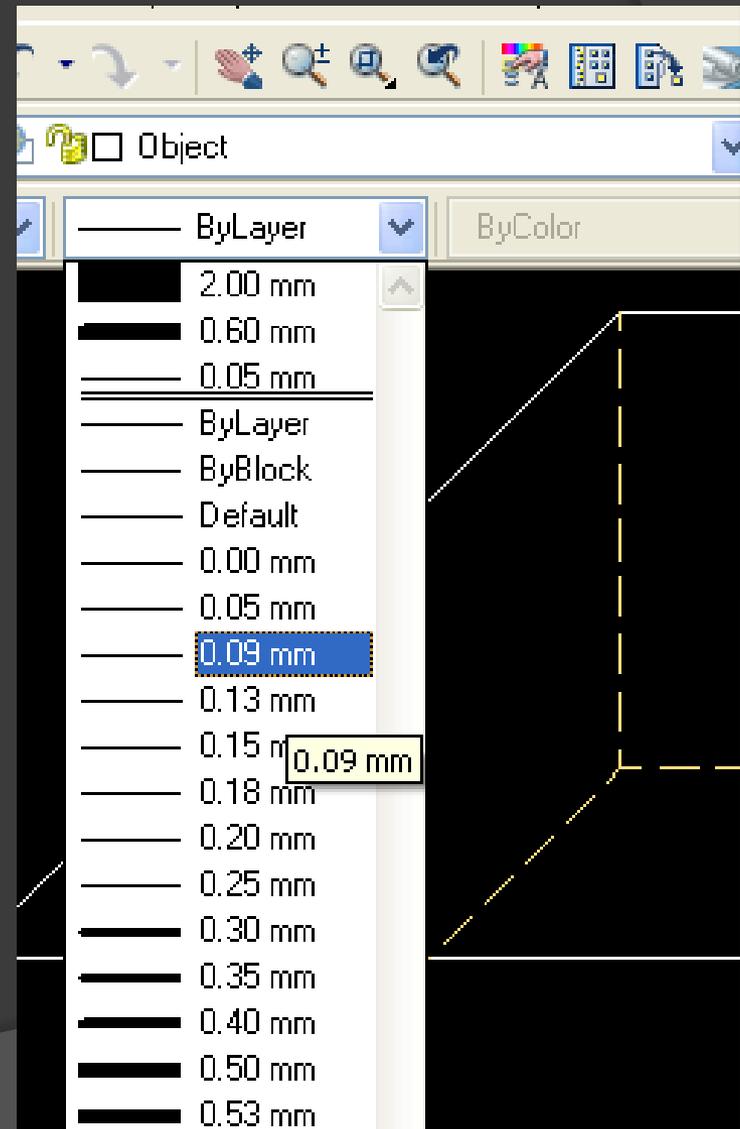
LAYER SETTINGS

How do we set our Lineweight in AutoCAD?

- Click the **Layer Properties Manager** dialog box
- Select the layer name you want to change and click its lineweight setting.
- This display the Lineweight dialog box
- Scroll through the Lineweights: list to select the desired lineweight.

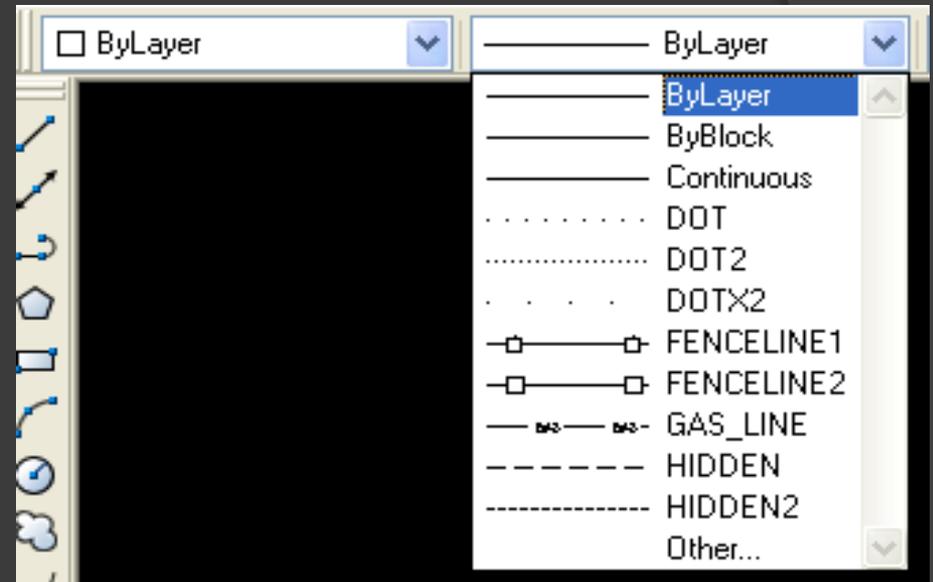
Setting Lineweight

- Click the **Lineweight Control** drop down list from the **Properties** toolbar and select the desired linetype.
- We can also directly adjust the **CELWEIGHT** system variable, which control the current object linetype.



Setting Linetype

- Click the **Linetype Control** drop-down list from the **Properties** toolbar
- Select the desired linetype
- We can select **Other...** from the list to load the **Linetype Manager dialog box** so new linetypes can be loaded.
- We can also directly adjust the **CELTYPE** system variable, which controls the current object linetype



Linetype Scale

- **Linetype Scale**
- Sets the lengths of dashes and spaces in linetypes.
- When you start AutoCAD with a wizard or template, the global linetype scale is automatically set to match the units you select.
- The global linetype scale can, however, be overridden at the object level.

Linetype Scale

When referring to linetypes, what is meant by a **global change**?

Linetype Scale

When referring to linetypes, what is meant by a **global change**?

- ⦿ A change affecting all linetypes in the current drawing
- ⦿ The default object linetype scale factor is 1.0000
- ⦿ One reason for changing the default linetype scale is to make your drawing more closely match standard drafting practices.

Changing the global linetype scale

- Type **LTSCALE**
- By default the global linetype scale factor is set to 1.0000
- Enter the new value and press [Enter]
- A Regeneration model message appears, as the global linetype scale is changed for all lines on the drawing.

Summary

How do we override the layer Color in AutoCAD?

Where can we access the layer lineweight to change its settings?

How do we change the global linetype scale?

Exercise 4-9