

# AutoCAD and Its Applications **BASICS**

## Template Development—Chapter 18

# Adjusting Center Mark and Centerline Object System Variables

## Template Development Objectives

*You will complete the following tasks during this stage of template development:*

- ✓ Change system variables to control the appearance of center mark and centerline objects.

The next stage of template development involves adjusting the system variables that control the appearance of center mark and centerline objects. The templates you create in this textbook focus on specific drafting discipline standards and use exact settings for center mark and centerline objects. Make changes to system variables for specific applications.

## Mechanical Drafting Template Development

Follow these steps to adjust system variables for drawing center mark and centerline objects in the inch and metric mechanical drafting templates. The center mark and centerline object system variable settings are made according to ASME drafting standards and are appropriate for a variety of drawing projects. Make changes to system variables for specific applications.

1. Access the **Select File** dialog box to open your Mechanical-Inch template file. Remember, you are opening the existing template file using the **OPEN** command, not creating a drawing based on a template file using the **NEW** command.

- Adjust the following system variables:

System Variable	Setting
CENTERCROSSGAP	.0625
CENTERCROSSSIZE	.125
CENTEREXE	.125
CENTERLAYER	use current
CENTERLTSCALE	1.0000
CENTERLTYPE	use current or ByLayer
CENTERLTYPEFILE	acad.lin
CENTERMARKEXE	ON or OFF

- Resave and close your template file.
- Open your Mechanical-Metric template file.
- Adjust the following system variables:

System Variable	Setting
CENTERCROSSGAP	1.5
CENTERCROSSSIZE	3
CENTEREXE	3
CENTERLAYER	use current
CENTERLTSCALE	1.0000
CENTERLTYPE	use current or ByLayer
CENTERLTYPEFILE	acad.lin
CENTERMARKEXE	ON or OFF

- Resave and close your template file.

## Architectural Drafting Template Development

Follow these steps to adjust system variables for drawing center mark and centerline objects in the US Customary and metric architectural drafting templates. The center mark and centerline object system variable settings are made according to appropriate drafting standards and are appropriate for a variety of drawing projects. Make changes to system variables for specific applications.

1. Access the **Select File** dialog box to open your Architectural-US template file. Remember, you are opening the existing template file using the **OPEN** command, not creating a drawing based on a template file using the **NEW** command.
2. Adjust the following system variables:

System Variable	Setting
CENTERCROSSGAP	.0625
CENTERCROSSSIZE	.125
CENTEREXE	.125
CENTERLAYER	use current
CENTERLTSCALE	1.0000
CENTERLTYPE	use current or ByLayer
CENTERLTYPEFILE	acad.lin
CENTERMARKEXE	ON or OFF

3. Resave and close your template file.
4. Open your Architectural-Metric template file.
5. Adjust the following system variables:

System Variable	Setting
CENTERCROSSGAP	1.5
CENTERCROSSSIZE	3
CENTEREXE	3
CENTERLAYER	use current
CENTERLTSCALE	1.0000
CENTERLTYPE	use current or ByLayer
CENTERLTYPEFILE	acad.lin
CENTERMARKEXE	ON or OFF

6. Resave and close your template file.

## Civil Drafting Template Development

Follow these steps to adjust system variables for drawing center mark and centerline objects in the US Customary and metric civil drafting templates. The center mark and centerline object system variable settings are made according to appropriate drafting standards and are appropriate for a variety of drawing projects. Make changes to system variables for specific applications.

1. Access the **Select File** dialog box to open your Civil-US template file.  
Remember, you are opening the existing template file using the **OPEN** command, not creating a drawing based on a template file using the **NEW** command.
2. Adjust the following system variables:

System Variable	Setting
CENTERCROSSGAP	.0625
CENTERCROSSSIZE	.125
CENTEREXE	.125
CENTERLAYER	use current
CENTERLTSCALE	1.0000
CENTERLTYPE	use current or ByLayer
CENTERLTYPEFILE	acad.lin
CENTERMARKEXE	ON or OFF

3. Resave and close your template file.
4. Open your Civil-Metric template file.
5. Adjust the following system variables:

System Variable	Setting
CENTERCROSSGAP	1.5
CENTERCROSSSIZE	3
CENTEREXE	3
CENTERLAYER	use current
CENTERLTSCALE	1.0000
CENTERLTYPE	use current or ByLayer
CENTERLTYPEFILE	acad.lin
CENTERMARKEXE	ON or OFF

6. Resave and close your template file.