



Andhra Pradesh State Skill Development Corporation



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AutoCAD(CIVIL)

Advanced Draw Tools



DRAW PANEL

ADVANCED DRAW TOOLS

Spline Fit

Select spline from advanced draw panel or SPL--Enter

There are two splines in AutoCAD

1. Fit
2. Cv

- Select Spline Fit command
- Specify start point of spline.
- Specify next end point or Specify next point
- This will be continue process for creating splines

Spline CV

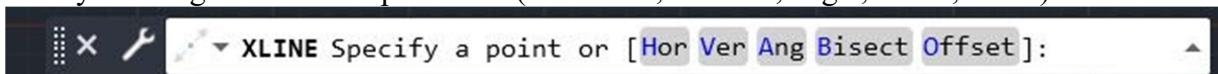
- Select spline from advanced draw panel or SPL—Enter
- Select Spline CV command
- Specify start point of spline.
- Specify next end point or Specify next point
- This will be continue process for creating splines

Construction line

By this command used to create construction line with the help of reference point

- Select construction line from advanced draw panel or XL-Enter
- Specify first point
- Specify next point, this will be continuing process to create infinite Number of lines

Here you will get some sub options like(horizontal, vertical , angle, bisect, offset)



These are the quick axis tools to create horizontal lines, vertical lines, angles, bisect and then offset distance

Ray

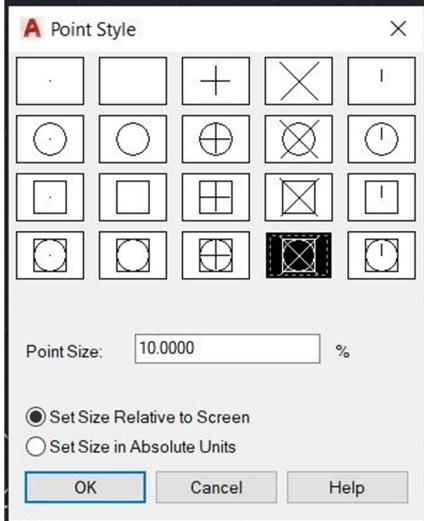
By this command used to create ray line with the help of reference point

- Select ray line from advanced draw panel or RAY-Enter
- Specify start point point
- Specify trough points, this will be continue process to create infinite lines

Multiple points

By this command is used to create points

- Select multiple points from advanced draw panel or multiple points-Enter
- Specify point distance or specify a point and then enter
- Select utility option to change point style or type ddp---enter
- Select point style option from utility and the choose required point style also change the point size and then enter



Divide

By this command is used to divide the objects and lines

- Select divide from advanced draw panel or DIV-Enter
- Select object to divide.
- Enter number of segments as per the requirement
- Enter

Measures

By this command is used to measure the distance from lines

- Select measure from advanced draw panel or ME-Enter
- Select object to measure
- Specify length of the segment
- Specify length of segment and then enter

Region

Converts an object that enclose an area into a region object

- Select region from advanced draw panel or REG-Enter
- Select objects
- Specify opposite corner to select and then enter

Wipe out

Creates a polygonal area that marks underlying objects with the current background colour. The wipe out area is bounded by a frame that you can turn on or off. You can also choose to display the frame on screen and have it hidden for plotting

- Select wipe out from advanced draw panel or WI-Enter
- Specify first point
- Specify next points and then close

3d polyline

A 3d polyline is a sequence of straight line segments created as a single object. 3D polylines can be non-planar; however, they cannot include arc segments



Helix

By this command creates a 2D spiral 3d spring

Select helix from advanced draw panel or HELIX-Enter

- Specify center point of base
- Specify base radius or diameter
- Specify top radius or diameter
- Specify helix height and then enter

Donut

By this command creates a filled circle or a wide ring

- Select donut from advanced draw panel or DO-Enter
- Specify inside diameter of donut
- Specify outside diameter of donut
- Specify center of donut or exist

Revision cloud

By this command creates revision clouds drawing a rectangle.

There are three types of Revision cloud, they are:

- Rectangular
- Polygonal
- Freehand

Rectangular revision cloud

Select rectangle revision cloud from advanced draw panel or REVC-Enter



IF R-Enter for rectangular

- Specify first corner point
- Specify opposite corner and then enter

Polygonal revision cloud

IF P-Enter for polygonal

- Specify start point
- Specify next point continue with the same process and then enter

Free hand revision cloud

IF F-Enter for freehand

- Specify start point
- Guide crosshairs along cloud path
- And then continue with the freehand
- Specify reverse direction (yes or No) and then enter