

COMMON 2D DRAWING COMMANDS IN AUTOCAD:

1. Line (L)

Command: L or LINE

Function: Draws a straight line between two points.

Example: Type L, press Enter, then specify the start and endpoint.

2. Polyline (PL)

Command: PL or POLYLINE

Function: Draws a series of connected lines or arcs. It can be used to create continuous line shapes.

Example: Type PL, press Enter, then click points to create a polyline.

3. Circle (C)

Command: C or CIRCLE

Function: Draws a circle using a center point and a radius or diameter.

Example: Type C, press Enter, specify the center, and then define the radius.

4. Rectangle (REC)

Command: REC or RECTANGLE

Function: Draws a rectangle using two opposite corners.

Example: Type REC, press Enter, and specify the first corner, then the opposite corner.

5. Arc (A)

Command: A or ARC

Function: Draws an arc by specifying a starting point, an endpoint, and a direction (or other parameters).

Example: Type A, press Enter, and then specify the start point, center, and endpoint.

6. Polygon (POL)

Command: POL or POLYGON

Function: Draws a regular polygon (e.g., triangle, hexagon) by defining the number of sides and size.

Example: Type POL, press Enter, and then choose the number of sides and other parameters.

7. Ellipse (EL)

Command: EL or ELLIPSE

Function: Draws an ellipse by specifying its center, major axis, and minor axis.

Example: Type EL, press Enter, and then specify the center and axes.

8. Offset (O)

Command: O or OFFSET

Function: Creates a copy of an object at a specified distance, maintaining its shape and orientation.

Example: Type O, press Enter, then specify the offset distance, and select the object.

9. Mirror (MI)

Command: MI or MIRROR

Function: Creates a mirrored copy of an object across a specified line.

Example: Type MI, press Enter, select the object to mirror, then specify the mirror line.

10. Trim (TR)

Command: TR or TRIM

Function: Removes parts of objects that are outside a selected boundary.

Example: Type TR, press Enter, select the cutting edge, then click the part of the object to trim.

11. Extend (EX)

Command: EX or EXTEND

Function: Extends an object to meet the edge of another object.

Example: Type EX, press Enter, select the boundary edge, then click the object to extend.

12. Fillet (F)

Command: F or FILLET

Function: Rounds or sharpens the corner between two objects by creating an arc between them.

Example: Type F, press Enter, then select the two objects to fillet and specify the radius.

13. Chamfer (CHA)

Command: CHA or CHAMFER

Function: Creates an angled corner between two objects instead of a rounded corner.

Example: Type CHA, press Enter, then select the two objects, and set the distance or angle.

14. Hatch (H)

Command: H or HATCH

Function: Fills an enclosed area with a pattern, solid fill, or gradient.

Example: Type H, press Enter, select the area to hatch, and choose the hatch pattern.

15. Text (T)

Command: T or TEXT

Function: Creates single-line text in the drawing.

Example: Type T, press Enter, then specify the text height, angle, and start point.

16. Leader (LE)

Command: LE or LEADER

Function: Draws a leader line with text attached to it.

Example: Type LE, press Enter, specify the start point, then enter the text for the leader.

17. Dimension (DIM)

Command: DIM or DIMLINEAR (for linear dimensions)

Function: Adds dimensions (e.g., length, angles) to your drawing.

Example: Type DIM, press Enter, and click the two points you want to dimension.

18. Spline (SPL)

Command: SPL or SPLINE

Function: Draws a smooth curve through a set of points.

Example: Type SPL, press Enter, then click the points to create a spline.

