

POLYLINES

A **POLYLINE** is very similar to a **LINE**. It is created in the same way a line is drawn. It requires first and second endpoints. But a **POLYLINE** has additional features, as follows:

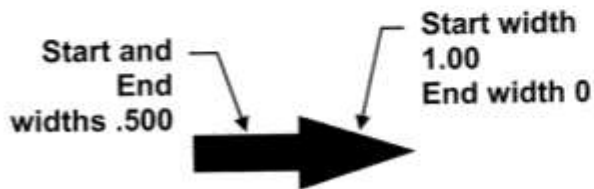
1. A **POLYLINE** is ONE object, even though it may have many segments.
2. You may specify a specific width to each segment.
3. You may specify a different width to the start and end of a polyline segment.

Select the Polyline Command using one of the following:

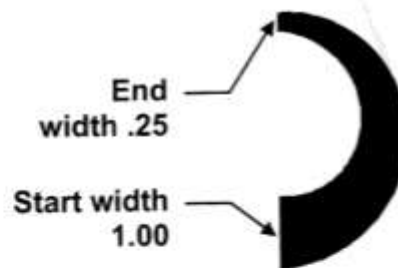
Ribbon = Home tab / Draw panel /
or
Keyboard = PL <enter>



THE FOLLOWING ARE EXAMPLES OF POLYLINES WITH WIDTHS ASSIGNED.



2 Polyline segments



Single Polyline Arc

Refer to the next page for more polyline options

POLYLINES....continued

OPTIONS:

WIDTH

Specify the starting and ending width.



You can create a tapered polyline by specifying different starting and ending widths.



HALFWIDTH

The same as Width except the starting and ending halfwidth specifies half the width rather than the entire width.



ARC

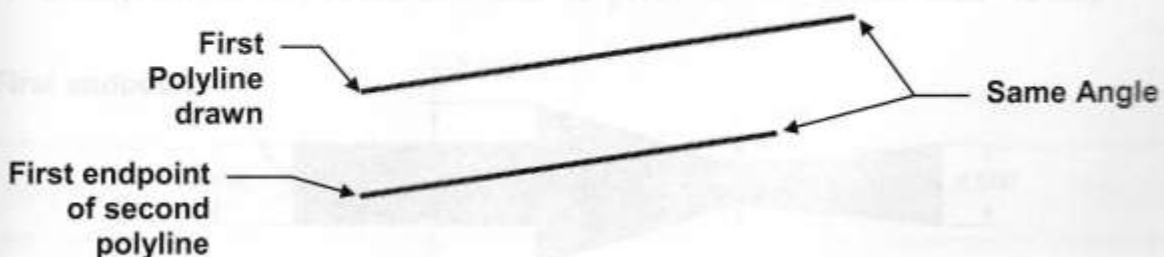
This option allows you to create a circular polyline less than 360 degrees. You may use (2) 180 degree arcs to form a full circular shape.

CLOSE

The close option is the same as in the Line command. Close attaches the last segment to the first segment.

LENGTH

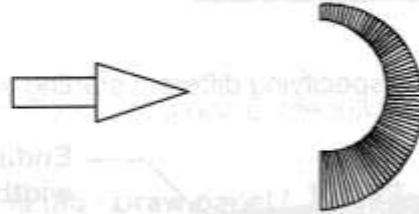
This option allows you to draw a polyline at the same angle as the last polyline drawn. This option is very similar to the OFFSET command. You specify the first endpoint and the length. The new polyline will automatically be drawn at the same angle as the previous polyline.



POLYLINES....continued

CONTROLLING THE FILL MODE

If you turn the FILL mode OFF the polylines will appear as shown below.



How to turn FILL MODE on or off.

1. Command: **type FILL <enter>**
2. Enter mode [On / Off] <ON>: **type ON or Off <enter>**
3. Command: **type REGEN <enter>** or select: **View / Regen**

EXPLODING A POLYLINE

NOTE: *If you explode a POLYLINE it loses its width and turns into a regular line as shown below.*



POLYLINES....continued

The following is an example of how to draw a polyline with Width.

1. Select the Polyline Command using one of the following:

Ribbon = Home tab / Draw panel /
or
Keyboard = PL <enter>



Command: `_pline`

2. Specify start point: **place the first endpoint of the line**

Current line-width is 0.000

3. Specify next point or [Arc/Halfwidth/Length/Undo/Width]: **select width option**
4. Specify starting width <0.000>: **1 <enter>**
5. Specify ending width <0.000>: **1 <enter>**
6. Specify next point or [Arc/Close/Halfwidth/Length/Undo/Width]: **select Length option**
7. Specify Length: **3 <enter>**
8. Specify next point or [Arc/Halfwidth/Length/Undo/Width]: **select width option**
9. Specify starting width <0.000>: **2 <enter>**
10. Specify ending width <0.000>: **.5 <enter>**
11. Specify next point or [Arc/Close/Halfwidth/Length/Undo/Width]: **select Length option**
12. Specify Length: **2.75 <enter>**
13. Specify next point or [Arc/Halfwidth/Length/Undo/Width]: **select width option**
14. Specify starting width <0.000>: **.5 <enter>**
15. Specify ending width <0.000>: **1 <enter>**
16. Specify next point or [Arc/Close/Halfwidth/Length/Undo/Width]: **select Length option**
17. Specify Length: **2.50 <enter>**
18. Specify next point or [Arc/Close/Halfwidth/Length/Undo/Width]: **press <enter> to stop**

