# Chapter 7 Object Snapping

## 7.1 Running Object Snaps

An object snap mode specifies a snap point at an exact location on an object. OSNAP specifies running object snap modes, which remain active until you turn them off.

- Choose Tools, Drafting Settings...
  or
   Type DDOSNAP at the command prompt Command: DDOSNAP
   Command: DDOSNAP
   Or
   Click OSNAP on the Status Bar.
   SNAP GRID ORTHO POLAR OSNAP OTRACK DYN LWT MODEL
   Right Click the Object Snap TAB.
- 5. **Choose** an object snap to turn ON/OFF from the dialog box.

Drafting S	ietting <del>s</del>					? X
Snap and G	irid Polar Tracking Object S	nap	Dy	namic Input		
🔽 Object	🔽 Object Snap On (F3)		Γ	Object Snap Tracking	0n (F11)	
C Object S	Snap modes					
	Endpoint	Ֆ	Γ	Insertion	Select All	
	Midpoint	Ŀь	√	Perpendicular	Clear All	
0	Center	σ	Г	Tangent		
ØГ	Node	X	Г	Nearest		
♦ □	Quadrant	$\boxtimes$	Г	Apparent intersection		
$\times$	Intersection	11	Г	Parallel		
🔽	Extension					
To track from an Osnap point, pause over the point while in a command. A tracking vector appears when you move the cursor. To stop tracking, pause over the point again.						
Options				OK Cancel	Hel	P

## 7.2 Case by Case (Temporary Mode)

1.	Press	SHIFT + the RIGHT MOUSE BUTTON.
		<ul> <li>✓ Endpoint</li> <li>✓ Midpoint</li> <li>✓ Intersection</li> <li>✓ Apparent Intersect</li> <li> Extension</li> </ul>
		<ul> <li>③ ⊆enter</li> <li>③ Quadrant</li> <li>√ Tangent</li> </ul>
		<ul> <li>↓ Perpendicular</li> <li>✓ Parallel</li> <li>o Noge</li> <li>础 Ingert</li> <li>✓ Nearest</li> <li>✓ Mone</li> </ul>
		n <sub>a</sub> <u>O</u> snap Settings
2.	Click	<b>or</b> one of the object snaps located Object Snap toolbar icon.
		Object Snap $\times$ $\mapsto$ $\checkmark$ $\land$ $\checkmark$ $\checkmark$ $\land$ $\checkmark$ $\land$ $\checkmark$ $\land$
		or
3.	Туре	The object snap at the prompt line.
		Command: Line
		From pt: ENDP
		To pt: <b>MID</b>
		To pt: CEN

#### TIP:

Case by Case objects snaps will override running mode object snaps

## 7.3 Osnap Settings

When you use any of the object snap settings, AutoSnap displays a marker and a Snap tip when you move the cursor over a snap point.

- 1. **Choose** Tools, Options...
- 2. **Select** the Drafting tab in the Options dialog box.
- 3. **Change** settings and choose OK.

nent politie: <	Current drawing: Disawing3.dwg
File: Display Open and Save Plot and Publish   S	sters User Preferences Drafting Selection Profiles
AutoSnap Settings	AutoTrack Settings
P Naker	P Display polar tracking vector
P Nagnet	P Display full-screen tracking vector
P Display AutoSnap toollip	P Display AutoTrack tooltip
Display AutoSnap apertue box	
AutoSinap market color:	Alignment Point Acquisition
	Automatic
Yelow 💌	C Shilt to acquire
AutoSnap Marker Size	Aperture Size
<u> </u>	· 👍
Object Snap Options	Dialling Toolip Appearance
F Ignore hatch objects	
F Replace Z value with current elevation	Satings

The following are object snap modes:

CENter	Center of Arc or Circle		
<b>END</b> point	Closest endpoint of Line/Arc		
<b>INS</b> ertion	Insertion point of Text/Block/Shape/ Attribute		
<b>INT</b> ersection	Intersection of Lines/Arcs/Circles		
<b>MID</b> point	Midpoint of a line/Arc or midpoint		
<b>NEA</b> erst	Nearest point on a Line/Arc/Circle/Point		
APParent Int	Finds where two entities would intersect		
NODe	Nearest point entity (or Dimension defini tion point)		
NONe	None (off)		
PERpendicular	Perpendicular to a Line/Arc/Circle		

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<b>QUA</b> drant	Quadrant point on an Arc/Circle
QUIck	Quick mode (first find, not closest)
TANgent	Tangent to Arc or Circle

### 7.4 Aperture

Controls the size and appearance of the pickbox used for object snap selection.

- 1. **Type** APERTURE at the command prompt Command: **APERTURE**
- 2. **Type** The size of the target box (3-8 is a good size) Size of target box in pixels (1-50): (**number**)

