

# MET 237 COMPUTER NUMERICAL CONTROL

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Programming Circular Profiles [ Milling]

## 8 | Circular Interpolation Commands

- Specifying The Plane For Circular Arc Interpolation.

**Circular interpolation** is executed on a **plane**. Therefore, the plane must be **identified** before issuing the circular interpolation command.

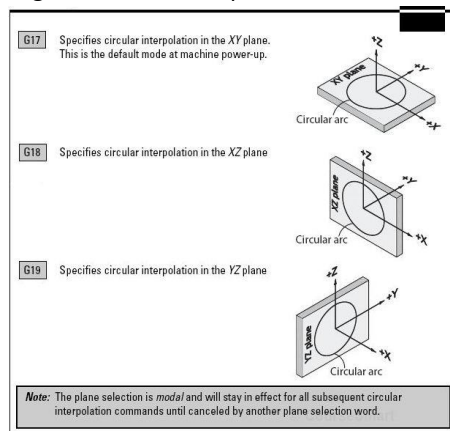


Figure 8 Plane selection.

## 8 | Circular Interpolation Commands

- **Circular Profile Milling (Absolute Coordinates)-Clockwise (G02).**

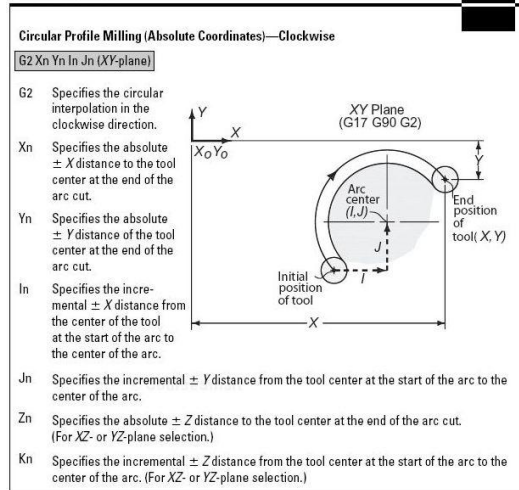


Figure 8-1 Circular profile-CW.

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## 8 | Circular Interpolation Commands

- **Circular Profile Milling (Absolute Coordinates)-Counterclockwise (G03).**

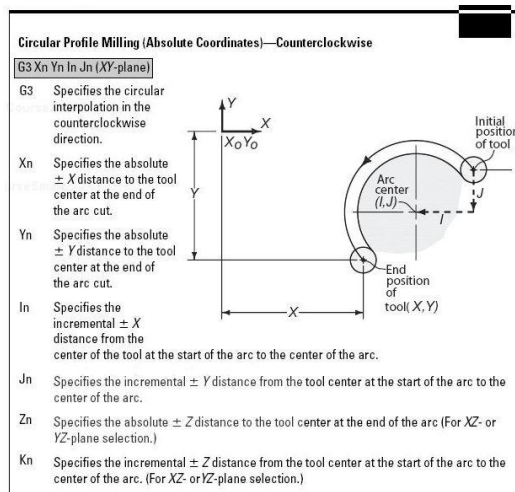


Figure 8-2 Circular profile-CCW.

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## 8 | Circular Interpolation Commands

- Example.

**N01** G90

**N02** G17

**N03** G01 X3 Y.25 F10

**N04** G02 X4.125 Y-3.9486 I0 J-2.25

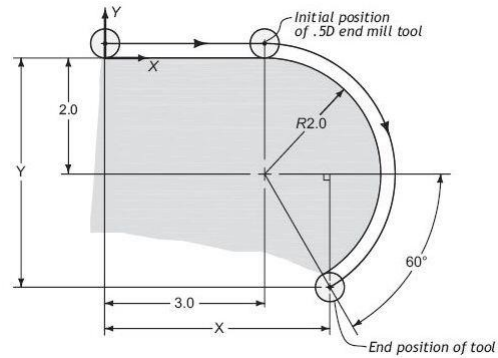


Figure 8-2 Circular profile-CCW.