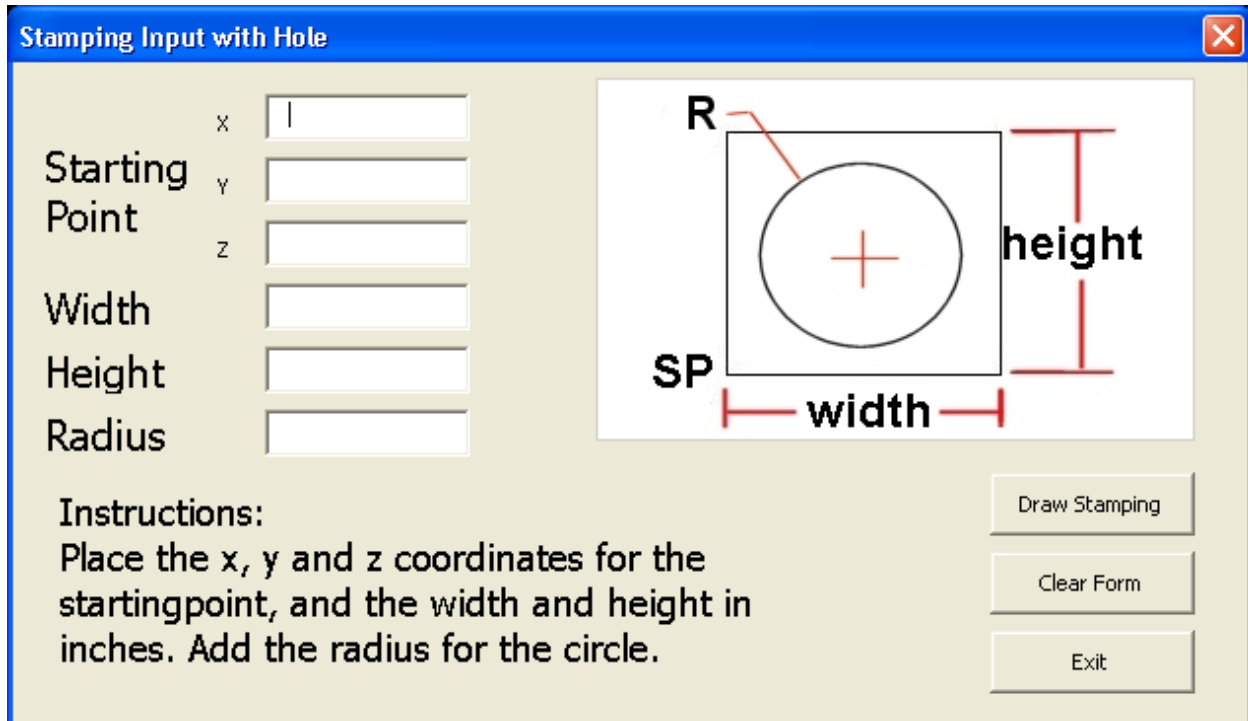


Draw a Stamping with Hole Program

The Form



Stamping Input with Hole

Starting Point
x
y
z

Width
Height
Radius

Instructions:
Place the x , y and z coordinates for the startingpoint, and the width and height in inches. Add the radius for the circle.

Draw Stamping
Clear Form
Exit

The Instructions

Add the code to the cmdClear subroutine.

Add the code to the cmdExit subroutine.

Add the code *CreateStampinwithHole* to the cmdDrawStamping subroutine.

Go to Insert Module and type:
Sub DrawStampingwithHole()
 FrmStampingwithHoleInput.Show
End Sub

The Code

```
Private Sub cmdClearform_Click()  
'clear the form  
    txtStartingpointX = "0.00"  
    txtStartingpointY = "0.00"  
    txtStartingpointZ = "0.00"  
    txtWidth = ""  
    txtHeight = ""  
    txtRadius = ""  
End Sub  
  
Private Sub  
cmdDrawStampingwithHole_Click()  
'draw the stamping with Hole  
    CreateStampingwithHole  
End Sub  
  
Private Sub cmdExit_Click()  
'unload and end program  
    Unload Me  
    End  
End Sub
```

More Instructions

Under the General Declarations section of the code, write the subroutine CreateStampingwithHole

More Code

```
Sub CreateStampingwithHole()  
'define the starting and centerpoint arrays, width,  
height and radius  
    Dim Startingpoint(0 To 2) As Double  
    Dim P2(0 To 2) As Double  
    Dim P3(0 To 2) As Double  
    Dim P4(0 To 2) As Double  
    Dim Width As Double  
    Dim Height As Double  
    Dim Center(0 To 2) As Double  
    Dim Radius As Double  
  
'let the point positions 0 1 and 2 accept data from  
the textboxes  
    Width = txtWidth  
    Height = txtHeight  
    Startingpoint(0) = txtStartingpointX  
    Startingpoint(1) = txtStartingpointY  
    Startingpoint(2) = txtStartingpointZ  
    Center(0) = txtStartingpointX + Width / 2  
    Center(1) = txtStartingpointY + Height / 2  
    Center(2) = txtStartingpointZ  
    Width = txtWidth  
    Height = txtHeight  
    P2(0) = Startingpoint(0) + Width  
    P2(1) = Startingpoint(1)  
    P2(2) = Startingpoint(2)  
    P3(0) = Startingpoint(0) + Width  
    P3(1) = Startingpoint(1) + Height  
    P3(2) = Startingpoint(2)  
    P4(0) = Startingpoint(0)  
    P4(1) = Startingpoint(1) + Height  
    P4(2) = Startingpoint(2)  
    Radius = txtRadius  
  
'Execute the stamping with hole  
    With ThisDrawing.ModelSpace  
        .AddLine Startingpoint, P2  
        .AddLine P2, P3  
        .AddLine P3, P4  
        .AddLine P4, Startingpoint  
        .Item(.Count - 1).Update  
    End With  
'Draw circle  
    With ThisDrawing.ModelSpace  
        .AddCircle Center, Radius  
    End With  
End Sub
```