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'Adapted from Clint Brown Of Cadline's Blog post
' <http://www.Cadlinecommunity.co.uk/Blogs/Blog.aspx?ScoId=9fc90ecf-000f-444a-b48f-a15c81b43462>

On Error Resume Next

Dim oDoc **As** PartDocument
oDoc = **ThisApplication**.ActiveDocument

Dim CadlineSheetMetal **As** SheetMetalComponentDefinition
CadlineSheetMetal = oDoc.ComponentDefinition
CadlineSheetMetal.FlatPattern.Delete
CadlineSheetMetal.Unfold

Cadline = **ThisApplication**.ActiveDocument.ComponentDefinition
X= **10***(Cadline.RangeBox.MaxPoint.X - Cadline.RangeBox.MinPoint.X)
Y= **10***(Cadline.RangeBox.MaxPoint.Y - Cadline.RangeBox.MinPoint.Y)
Z= **10***(Cadline.RangeBox.MaxPoint.Z - Cadline.RangeBox.MinPoint.Z)
Parameter.Quiet = True
THICKNESS = **MinOfMany**(X, Y, Z)
LENGTH = **MaxOfMany**(X, Y, Z)

If X < LENGTH **Then**
WIDTH = X
End If
If Y < LENGTH **Then**
WIDTH = Y
End If
If Z < LENGTH **Then**
WIDTH = Y
End If

iProperties.Value("Custom", "LENGTH") = **Round**(LENGTH, 1)
iProperties.Value("Custom", "WIDTH") = **Round**(WIDTH, 1)
iProperties.Value("Custom", "THICKNESS") = **Round**(THICKNESS, 1)
'Parameter("Length") = **Round**(LENGTH, 1)
'Parameter("Width_OD") = **Round**(WIDTH, 1)
'Parameter("Thickness_ID") = **Round**(THICKNESS, 1)

RuleParametersOutput()
iLogicVb.UpdateWhenDone = True
oDoc = **ThisApplication**.ActiveDocument
CadlineSheetMetal = oDoc.ComponentDefinition
InventorVb.DocumentUpdate()
ThisDoc.Save