

# KETIV

Manufacturing Innovation. Together.

```
' First we will update the OD of each of the saddle components
Parameter("Saddle-1:1", "TANK_OD") = TANK_OD
Parameter("Saddle-2:1", "TANK_OD") = TANK_OD
Parameter("Saddle-3:1", "TANK_OD") = TANK_OD

' Update flange width of the skid assembly
Parameter("Saddle-1:1", "SKID_FW") = SKID_FW
Parameter("Saddle-2:1", "SKID_FW") = SKID_FW
Parameter("Saddle-3:1", "SKID_FW") = SKID_FW

' Update flange height of the skid assembly
Parameter("Saddle-1:1", "SKID_FH") = SKID_FH
Parameter("Saddle-2:1", "SKID_FH") = SKID_FH
Parameter("Saddle-3:1", "SKID_FH") = SKID_FH

' Update flange thickness and radius
Parameter("Saddle-2:1", "SKID_FL_THK") = SKID_FL_THK
Parameter("Saddle-3:1", "SKID_FL_THK") = SKID_FL_THK
Parameter("Saddle-2:1", "SKID_FLG_RAD") = SKID_FLG_RAD

' Update web thickness
Parameter("Saddle-2:1", "SKID_WEB_THK") = SKID_WEB_THK

' Update flange radii
Parameter("Saddle-2:1", "SKID_FLG_RAD") = SKID_FLG_RAD

' Update width of saddle plates
Parameter("Saddle-1:1", "SAD_W") = SAD_W
Parameter("Saddle-3:1", "SAD_W") = SAD_W

' Update saddle offset for welding
Parameter("Saddle-2:1", "SAD_OFF") = SAD_OFF

' Update thickness of saddle plates
Parameter("Saddle-1:1", "SAD_TOP_THK") = SAD_TOP_THK
Parameter("Saddle-2:1", "SAD_TOP_THK") = SAD_TOP_THK

' Update Saddle Width in the main plate
If TANK_OD <= 30 in Then
    Parameter("Saddle-2:1", "SAD_W") = SKID_W - 2 ul * SKID_FW - 2 ul * SAD_OFF
Else
    Parameter("Saddle-2:1", "SAD_W") = SKID_W - SKID_FW - SKID_WEB_THK - 2 ul * SAD_OFF
End If

InventorVb.DocumentUpdate()
```