



Control individual bend regions

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You can control the geometry of individual bend regions. You can change bend angle, bend radius, and the neutral factor of a given bend. There is a separate command for each type of change, and the modifications appear as separate entities in the **Part Navigator**, as shown below:

Model History

- ☒ Datum Coordinate System (0)
- ☒ SB Tab (1)
- ☒ SB Secondary Contour Flange (2)
- ☒ SB ResizeBendAngle (3)
- ☒ SB ResizeBendRadius (4)

These capabilities let you change individual bends in features such as contour flanges and jogs that create multiple bend regions. Also, when you bring in parts with the **Convert to Sheet Metal** command, you can modify individual bend regions to suit the demands of the part. You no longer need to go back to Modeling, revise the part, and reconvert it.

For manufacturing, you can visualize parts with bends in interim states, showing, for example, a 90-degree flange first at 45 degrees and then rebent to the full 90 degrees. Because these features are in timestamp order, you can hide and show the direct edit features to display the model in various states of forming. See [Showing interim forming states](#) for an illustration of this capability.

Where do I find it?

Application	NX Sheet Metal
Toolbar	NX Sheet Metal→Resize list  →Resize Bend Angle, Resize Bend Radius, Resize Neutral Factor
Menu	Insert→Resize→Resize Bend Angle, Resize Bend Radius, Resize Neutral Factor



Resize bend radius, bend angle, and neutral factor

[Overview](#)

How To

To change bend angle, bend radius, or the neutral factor of a bend, you follow the same general procedure.

1. On the **NX Sheet Metal** toolbar, click one of the following buttons:

- **Resize Bend Radius** 

- **Resize Bend Angle** 

- **Resize Neutral Factor** 

2. (For **Resize Bend Angle** only). **Select Face**  is active. Select a non-thickness face to remain stationary when you change the bend angle .

3. **Select Bend**  is active. Select the bend(s) you want to modify.

4. Supply a new parameter value for angle, radius, or neutral factor.

5. (For **Resize Bend Angle** only). Select the **Keep Radius Fixed** check box if you do not want the radius to change with the change in angle. If the radius stays fixed, the web length must change.

6. Click **OK** or **Apply** to make the change.