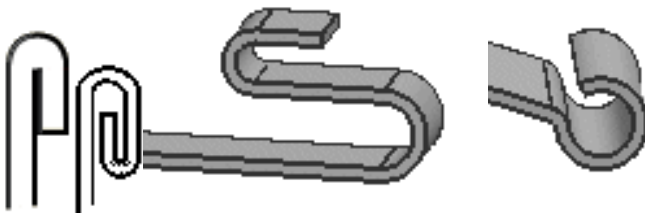




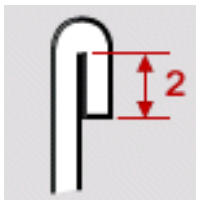
Hem Flange overview

[Overview](#)[How To](#)[Options](#)[Related Topics](#)

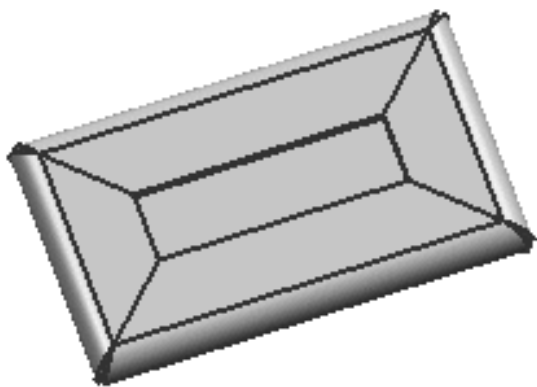
Use **Hem Flange** to create a feature where the material folds back on itself. **Hem Flange** is always a secondary feature built on a base part, such as a tab. This command gives you a variety of pre-set shapes. Along with simple open and closed hems, you can create more specialized types, such as curls and loops. The following figure shows some standard hem shapes: closed, curled, s-type, and centered loop.



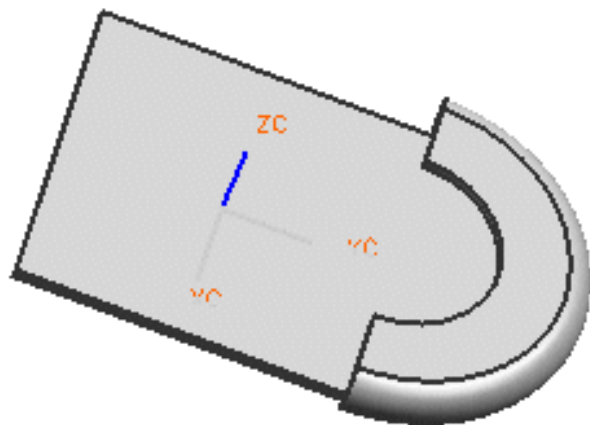
The **Hem Flange** dialog box illustrates each type and shows the key dimensions. For example, this is the picture of the **Closed** type hem, and shows how the key dimension, which in this case is flange length, is measured.



You can make fairly complex shapes quite simply, and you can create hem flanges that chain around part edges.



You can also create hem flanges on curved edges.



Where do I find it?

Application	NX Sheet Metal
Toolbar	NX Sheet Metal→Bend list  →Hem Flange
Menu	Insert→Bend→Hem Flange

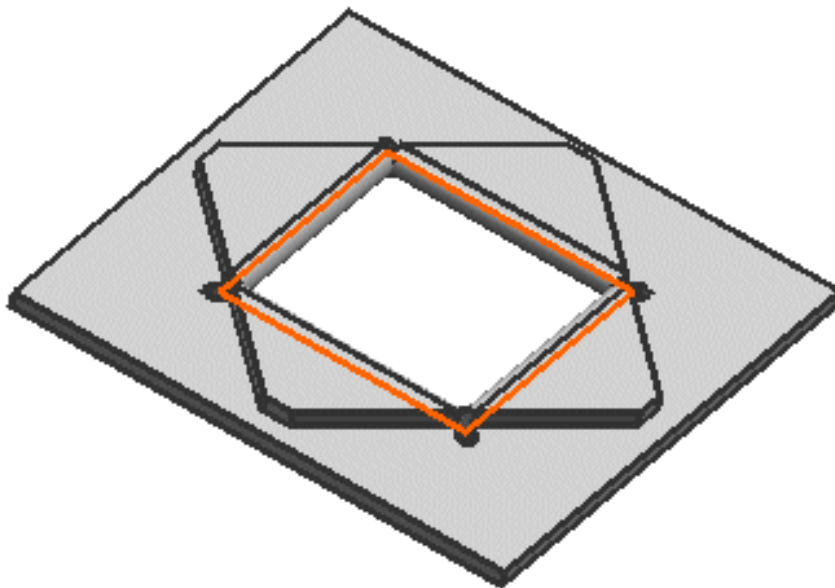


Create a hem flange

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To create a hem flange:

1. On the **NX Sheet Metal** toolbar, click **Hem Flange** .
2. In the **Hem Flange** dialog box, select a hem shape from the **Type** list.
3. **Select Edge**  is active. Select a part edge on which to place the hem. If you want the hem to span several edges, select one edge after another. If the hem can be built, you see a preview like this one:



4. Select inset, bend parameter, and relief options. You can change hem types and other options while still in the command and preview the result.
5. Click **OK** or **Apply** to complete the feature.



Hem Flange options

- [Overview](#)
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Inset Options specify how far the flange is inset into the base part.

Material Inside	Inserts the hem flange into the base material such that the outside face of the web area is flush with the selected edge.
Material Outside	Inserts the hem flange into the base material such that the inside face of the web area is flush with the selected edge.
Bend Outside	Adds material to the selected edge to form the flange.

Bend Parameters vary depending on the type of hem you select.

Flange Length	Measures the length of the flange as shown in the bitmap for that type of hem. For closed types, you only specify one length. For loop, curl, and S-type flanges, you specify two lengths.
Equal Radii	Available for hems with two bends. Specifies that the radii for both bends are equal.
Bend Radius	Sets the radius of the bend for a given hem. For loop, curl, and S-type hems, specify two radii.

Sweep Angle

Available for open and centered curl-type hems. Specifies the extent of the curl. The maximum value is less than 360. The figures below show two open loop hem flanges with sweep angles of 145 and 350 degrees, respectively.

