



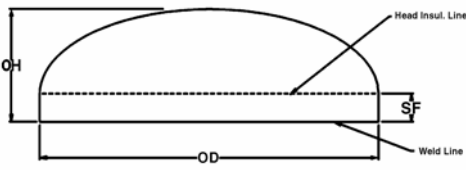
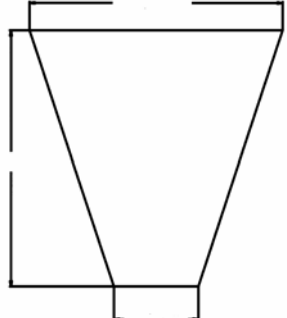
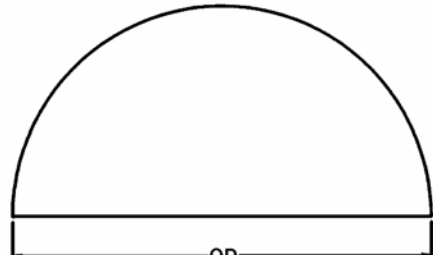
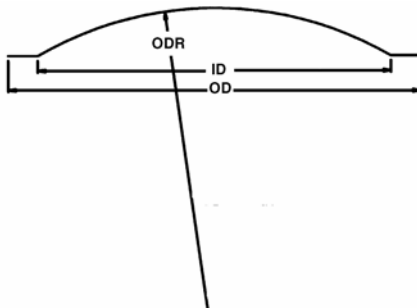
The form below identifies information required to produce head orders. Fill in all descriptions necessary.

<p>ASME Flanged & Dished Head</p>	<p>ASME Flanged & Dished Head</p> <p>The dish radius of an ASME Flanged and dished head is 100% of the vessel diameter. And, the knuckle is 6% of the vessel diameter.</p> <p>OD = Outer Diameter OH = Overall Height SF = Length of Straight Flange ODR = Outside Dish Radius OCR = Outside Corner Radius</p>	<p>ASME Flanged & Dished Head</p> <p>Material: _____</p> <p>Size: _____ X _____</p> <p>OD = _____ OCR= _____</p> <p>OH = _____ ODR= _____</p> <p>SF = _____ Other: _____</p> <p>Preformed Jacket: Aluminum or SS or PVC</p> <p>Gauge Thickness: _____</p> <p>Type Metal Finish: Smooth or Stucco</p> <p>Tag or ID# _____</p>
<p>Flanged & Dished Head</p>	<p>Flanged & Dished Head</p> <p>Flanged and dished heads are comprised of both a dish radius and a knuckle radius. Typically the dish radius is between 80% to 100% of the vessel diameter. And, the knuckle radius is between 4% to 8% of the vessel diameter. These are not to be confused with an ASME or 80-10 flanged & dished heads. We must know the exact dimensions. Supply an "as-built" drawing or actual knuckle radius sketch for best fit.</p> <p>OD = Outer Dia. OH = Overall Height SF = Length of Straight Flange ODR = Outside Dish Radius OCR = Outside Corner Radius</p>	<p>Flanged & Dished Head</p> <p>Material: _____</p> <p>Size: _____ X _____</p> <p>OD = _____ OCR= _____</p> <p>OH = _____ ODR= _____</p> <p>SF = _____ Other: _____</p> <p>Preformed Jacket: Aluminum or SS or PVC</p> <p>Gauge Thickness: _____</p> <p>Type Metal Finish: Smooth or Stucco</p> <p>Tag or ID# _____</p>
<p>80-10 Flanged & Dished Head</p>	<p>80-10 Flanged & Dished Head</p> <p>On an, 80-10 the outside dish radius equals 80% of the head diameter and the outside corner radius equals 10% of the head diameter. The insulation will be supplied to the 'Head Insulation Line'. Extend pipe covering or curved segments to cover straight flange.</p> <p>OD = Outer Diameter OH = Overall Height SF = Length of Straight Flange ODR = Outside Dish Radius OCR = Outside Corner Radius</p>	<p>80-10 Flanged & Dished Head</p> <p>Material: _____</p> <p>Size: _____ X _____</p> <p>OD = _____ OCR= _____</p> <p>OH = _____ ODR= _____</p> <p>SF = _____ Other: _____</p> <p>Preformed Jacket: Aluminum or SS or PVC</p> <p>Gauge Thickness: _____</p> <p>Type Metal Finish: Smooth or Stucco</p> <p>Tag or ID# _____</p>
<p>Flanged & Reversed Dished Head</p>	<p>Flanged & Reversed Dished Head</p> <p>Flanged and reversed dish heads are comprised of both a concave dish radius and knuckle radius.</p> <p>OH = Overall Height SF = Length of Straight Flange ODR = Outside Dish Radius OCR = Outside Corner Radius</p>	<p>Flanged & Reversed Dished Head</p> <p>Material: _____</p> <p>Size: _____ X _____</p> <p>OD = _____ OCR= _____</p> <p>OH = _____ ODR= _____</p> <p>SF = _____ Other: _____</p> <p>Preformed Jacket: Aluminum or SS or PVC</p> <p>Gauge Thickness: _____</p> <p>Type Metal Finish: Smooth or Stucco</p> <p>Tag or ID# _____</p>

EXTOL OF OHIO, INC.

208 Republic Street, Norwalk, Ohio 44857 Phone: (800) 486-9865 or (419) 668-2072
Fax (419) 663-1992 www.ExtolOhio.com Email: info@extolohio.com

The form below identifies information required to produce head orders. Fill in all descriptions necessary.

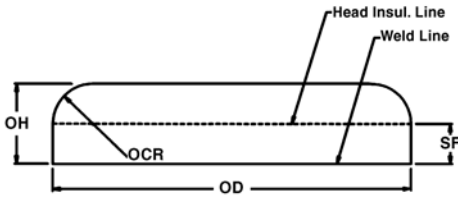
<p align="center">2:1 Elliptical Head</p> 	<p align="center">2:1 Elliptical Head</p> <p>At the center of the head, the dish radius is equal to the vessel diameter. At the tangent of the head and the shell; the dish is 1/8 of the vessel diameter. Insulation will be supplied to the 'Head Insulation Line'. Extend pipe covering or curved segments to cover the straight flange area.</p> <p>OD = Outer Diameter OH = Overall Height SF = Length of Straight Flange</p>	<p align="center">2:1 Elliptical Head</p> <p>Material: _____ Size: _____ X _____ OD = _____ OH = _____ SF = _____ Other: _____ Preformed Jacket: Aluminum or SS or PVC Gauge Thickness: _____ Type Metal Finish: Smooth or Stucco Tag or ID# _____</p>
<p align="center">Conical Shape</p> 	<p align="center">Conical Shape</p> <p>Concentric cone shapes are fabricated. The larger diameter is reduced down proportionately to the smaller diameter</p> <p>OD = (Major) Outer Dia. Of Cylinder OD = (Minor) Outer Dia. Of Cylinder OH = Overall Height</p>	<p align="center">Conical Shape</p> <p>Material: _____ Size: _____" Dia to _____" Dia Thickness: _____ OD Major = _____ OD Minor = _____ OH: _____ Other: _____ Preformed Jacket: Aluminum or SS or PVC Gauge Thickness: _____ Type Metal Finish: Smooth or Stucco Tag or ID# _____</p>
<p align="center">Hemispherical Head</p> 	<p align="center">Hemispherical Head</p> <p>Hemispherical heads have a constant dish radius. This radius is equal to one half of the vessel diameter. The only dimension required is the outside diameter.</p> <p>OD = Outer Diameter</p>	<p align="center">Hemispherical Head</p> <p>Material: _____ Size: _____ X _____ OD = _____ Other: _____ Preformed Jacket: Aluminum or SS or PVC Gauge Thickness: _____ Type Metal Finish: Smooth or Stucco Tag or ID# _____</p>
<p align="center">Flared & Dished Head</p> 	<p align="center">Flared & Dished Head</p> <p>Flared and dished heads are comprised of a outside dish radius and a flared flat area. The insulation will be supplied to cover the dish and flared flat area.</p> <p>ID = Inside Diameter OD = Outside Diameter ODR = Outside Dish Radius</p>	<p align="center">Flared & Dished Head</p> <p>Material: _____ Size: _____ X _____ ID = _____ OD = _____ ODR = _____ Other: _____ Preformed Jacket: Aluminum or SS or PVC Gauge Thickness: _____ Type Metal Finish: Smooth or Stucco Tag or ID# _____</p>

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The form below identifies information required to produce head orders. Fill in all descriptions necessary.

Flanged Only Head



Flanged Only Head

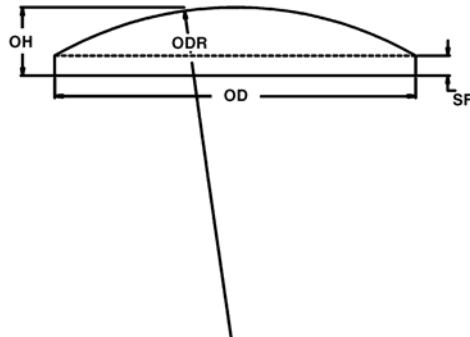
Flanged only heads are comprised of the outside corner radius and height. The insulation will be supplied to the 'Head Insulation Line.' Extend pipe covering or curved segments to cover straight flange.

OD = Outside Diameter
 OH = Overall Height
 SF = Length of Straight Flange
 OCR = Outside Corner Radius

Flanged Only Head

Material: _____
 Size: _____ X _____
 OD = _____
 OH = _____
 SF = _____
 Other: _____
 Preformed Jacket: Aluminum or SS or PVC
 Gauge Thickness: _____
 Type Metal Finish: Smooth or Stucco
 Tag or ID# _____

Dished Only Head



Dished Only Head

Dished only heads look like a flanged and dished head but does not have a knuckle Radius. The insulation will be supplied to the 'Head Insulation Line.' Extend pipe covering or curved segments to cover straight flange.

OD = Outside Diameter
 OH = Overall Height
 SF = Length of Straight Flange
 ODR = Outside Dish Radius

Dished Only Head

Material: _____
 Size: _____ X _____
 OD = _____
 SF = _____
 OH = _____
 ODR = _____
 Other: _____
 Preformed Jacket: Aluminum or SS or PVC
 Gauge Thickness: _____
 Type Metal Finish: Smooth or Stucco
 Tag or ID# _____

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