



## **Annealing**

In ferrous materials, heating to a temperature above the critical temperature, holding for a specified time and cooling at a suitable rate in order to soften and produce desired changes in other properties as well as the microstructure. In nonferrous metals, annealing is used to primarily to remove part or all the effects of cold working.

## **ASME Code (American Society of Mechanical Engineers)**

The governing body for pressure vessels in the United States. Brighton is a registered ASME Code Shop. Copies of our Certificate can be supplied.

## **Bevel**

A machined or flame cut angle to aid in the fit-up and welding of seams. Brighton offers a full array of bevels to choose from. Please refer to our bevel chart for details.

## **Blank**

A flat diameter that is formed into a tank head.

## **Bump & Spun**

Process of forming a head by bumping the dish radius in a pressing machine and forming the knuckle and straight flange in a flanging machine.

## **Center Hole (CH)**

A hole that is drilled in the center of the head prior to flanging to ensure that the true circle dimension is held during forming. Brighton can make heads without a center hole.

## **Coupon**

A sample of material cut from either the blank or head for obtaining test results.

## **Diameter**

Heads can be formed to an inside or outside diameter. Brighton can custom make heads from 6" to an unlimited diameter. Please see our product specification for more details.

## **Dimple Jacket**

A type of heat transfer surface utilizing sheet that has a dimpled pattern. Brighton can provide dimple jacket for shells and heads.

## **Dishing Press**

A machine that forms the dish radius in the heads. Brighton has presses that can press material up to 3" thick.

## **Dish Radius (DR)**

Also known as crown radius. It is the major radius of the formed head, usually measured from the inside.