



## **MTR**

Mill Test Reports

## **Nominal Thickness**

The starting thickness of the blank before forming.

## **Nondestructive Testing (NDT)**

Includes X-ray, dye check, and ultrasonic testing. Brighton offers all of these services if required.

## **Normalizing**

Heating a ferrous alloy to a suitable temperature above the transformation range and then cooling in air to a temperature substantially below the transformation range.

## **Overall Height**

Measurement from the outside center of the head to the edge of the straight flange. For specific tolerances, please see our tolerance chart.

## **Partial Data Report**

Also known as U2A report. Document signed by an authorized inspector of the ASME Code. The document confirms that a welded head meets the requirements of the ASME Code. Code plates will also be supplied.

## **Polishing**

Brighton offers mechanical finish on plate, shells, and heads from a #2 to a #8. Please see our polishing chart for more details.

## **Quench**

The rapid cooling part of some heat treatments usually in water after heating to a temperature above the transformation temperature.

## **Radiograph**

Also known as X-Ray. Brighton offers spot and full radiography services.

## **Shells**

The straight portion or “can section” of a tank. Brighton can roll shells.

## **Straight Flange**

Is the straight portion of the head measured from the tangent line to the edge of the head. The industry standard is 1-1/2”, but Brighton can form flanges up to 6” depending on size and thickness.

## **Tangent Line**

The point on the head where the knuckle radius meets the straight flange.

## **Weld Procedures**

Standards and methods used in welding. Brighton can supply weld procedures upon request.