

1. CODES

Studding outlets may be ordered to special requirements or other standard codes such as ASME Sections I, III, and VIII Division 2, or ANSI B31.1 or B31.7.

2. MATERIALS

All materials used in FLOWELL CORPORATION Studding Outlets comply with applicable ASME Specifications. Full traceability is mandated by our rigid quality assurance system. Standard forged material is carbon steel to SA-105. Other mild steels, alloy steels, and stainless are available on special order.

3. BORES

Unless ordered otherwise, the bores of the studding outlets will be equal to their nominal size.

4. DIAMETER

The outside diameters of studding outlets are equal to the outside diameters of flanges, as specified in ANSI B16.5 for the size and fitting ordered.

5. STUDDING

The number and size of tapped holes, and the bolt circle are in accordance with the dimensional requirements of ANSI B16.5. The depth of full, clean threads will not be less than one and one-half times the nominal stud diameter. Holes will straddle the natural centerlines. Studs, nuts, and gaskets are not furnished by FLOWELL CORPORATION.

6. FACING

Raised faces to the requirements of ANSI 816.5 are standard. Other standard or special facings are available on special order.

7. THICKNESS

Tabulated "T" dimensions are the minimums required, exclusive of reinforcement requirements, for studding outlets to be attached to the OUTER SURFACES of the vessel shells, heads, or pipes.

The standard "T" dimensions provide at least 1/8 inch of material between the bottoms of the tapped holes and the lower surfaces of the studding outlets. FOR THROUGH-TYPE INSTALLATIONS, THICKNESSES MUST GENERALLY BE INCREASED to provide metal below the tapped hole drill point not less than the applicable corrosion allowance plus 0.25 times the vessel wall thickness. SPECIAL THICKNESS REQUIREMENTS OF THIS TYPE MUST BE SPECIFIED BY CUSTOMERS.

8. BOTTOMS

Unless specified otherwise, studding outlets will be furnished with flat bottoms. They are available with bottoms cylindrically curved for shell installations or spherically dished for head installations.

9. TEST HOLES

Studding outlets may be ordered with test holes.

