

## Restriction Orifice Plates

- Wide range of materials
- Proven technology
- Suitable for most pipe sizes
- Orifice sizing on request

### General Description

Restriction orifice plates can be used as a simple pressure reducing device, or to limit the flow rate in a pipeline.

They are designed to slip between pipe flanges. Versions to suit RTJ type flanges are available

### Dimensions

The outside diameter of the orifice plate is equal to the bolt circle diameter of the connecting flanges minus the diameter of the bolt. This ensures that the plate is centred accurately in the line.

Plate thicknesses depend on line size and differential pressure, and should be sufficient to prevent the plate from bending under operating conditions.

Orifice plates can be made in accordance with customer drawings as required.

### Materials

Standard material grades include 316 Stainless Steel, 304 Stainless Steel, 310 Stainless Steel, Hastelloy® C276, Hastelloy® B3, Duplex Stainless Steel, Super Duplex Stainless Steel, Monel® 400, Carbon Steel, Titanium, Incoloy® 800, Incoloy® 825, Inconel® 600, Inconel® 625, Tantalum, PTFE and PVDF.

Please contact the sales office for other grades.

### Orifice Bore Sizing

Orifice calculations are performed generally in accordance with the formulae detailed in RW Miller's Flow Measurement Handbook , when requested.

