

Custom Bore Measurement - Internal Measurement of Surface/Subsea Valve Cavity-Seat Pockets

The Challenge:

Bowers was approached by a well-known solutions provider to the global oil & gas industry to develop a method of measuring the internal cavity in valve bodies.

Features to measure include:

- Internal diameters inside seat pocket
- Internal spot face distance between flats
- Internal spot face to diameter measurement

The Solution:

Bowers' Special Applications Team developed a solution utilising a one-piece right angle adapter to allow entry down a perpendicular bore. This allows measurement to take place at 90 degrees to entry of the bore. An optimised anvil form and guide pieces aid entry and position the measuring head correctly for higher accuracy measurements and ease of use for operator.

Features:

- Higher accuracy
- Improved ease of use
- Faster inspection

Potential Industries:

- Oil & Gas
- Hydraulics
- Industrial Pipework



Typical part

