



## SALES BULLETIN No 021

### DAO Neck ring arm alignment fixture



Figure 1. DAO 5" neck ring alignment fixture.

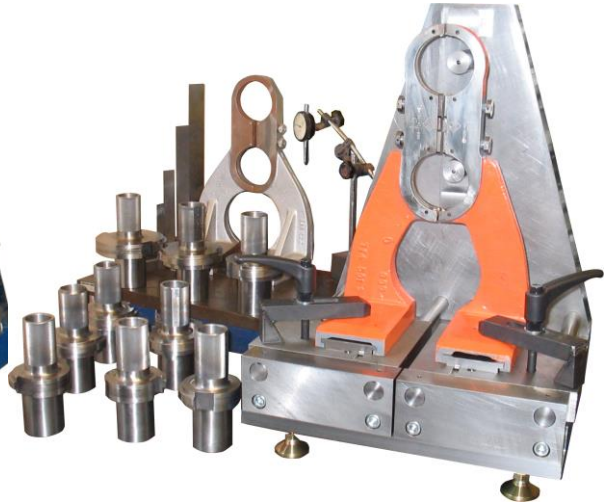


Figure 2. DAO 6" neck ring alignment fixture.

The neck ring alignment fixtures are made to precise machine tooling standards to meet the needs of the Glassworks to achieve ISO 9000 standards.

These fixtures are fabricated using the best steel and latest machining techniques and fitting practices, from CNC laser burning to 6 axis milling, turning, drilling and grinding. The machining accuracy to achieve a precision product is one tenth of the tolerance to be measured by the fixture.

The fixtures should be used in a controlled inspection "tool room" environment. They are designed to test arms quickly and easily by an inspector as follows:

- The arms to be tested should be clean and free from burrs. The springs and latches removed.
- Load the arms on to the carriage, lock down the clamps and push the carriage up to the back of the fixture to check the foot is square to the arm. Pull the carriage back to the initial position.
- Testing one arm at a time. Select the plug gauge to suit the arm size, insert the two plug gauges into the arm slots and push the carriage to the back of the fixture this will allow the plug gauge centre to enter the two fixed studs to test the arms are straight. If the arm is twisted the plug gauge will not fit to the centre pin. With straight square arms the plug gauge will check the centre distance between the bores and the diameter of the bores.
- If the arms are bent, straighten and retest until straight.
- Reject any damaged arms or those outside the accepted tolerance. Insert the springs back into good arms ready to re-use with confidence.

### DESIGNS • ADVANCEMENT • ORIGINALITY

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