

Centering Indicator

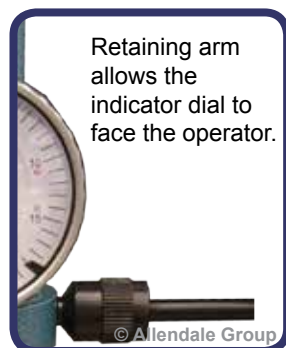
Part No: AE-MAN-CENT

Doc V: 1.0

Precautions

- Only operate the machine on a low spindle RPM.
- The indicator is a precision measuring instrument. Avoid using excessive force, and treat with care.
- Do not over tighten locking screw.
- Avoid exposure to all liquids, excessive humidity or temperature.
- Never use solvents to clean the indicator. Only use a soft cloth with cleaning oil.

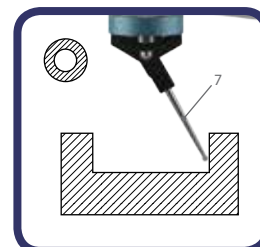
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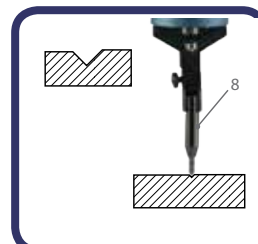
1. Mounting Spindle.
2. Indicator Dial.
3. Rocker Arm.
4. Feeler Arm.
5. Locking Screw.
6. Curved Feeler.
7. Straight Feeler.
8. Centre Point Finder.



Outside Diameter Alignment



Inside Diameter Alignment



Centre Point Alignment

Align a Workpiece to Centre



1. Carefully insert the appropriate feeler into the indicator & tighten locking screw.



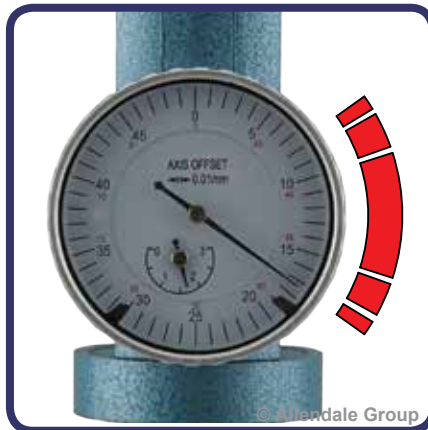
2. Align the feeler against the workpiece edge.



3. Screw in the retaining arm and rest against a fix stop on the machine.



4. Turn the spindle by hand to check rough alignment to centre.



5. Start the machine spindle, at as lower RPM as possible. The needle on the dial will start to swing back and forth. Slowly move the Y axis to locate the minimum needle movement.



6. Slowly move the X axis to locate the minimum needle movement. Repeat moving each axis until the needle movement is reduced to the minimum amount. The centre is now aligned.