

ORF-1 Operating Instructions

The ORF-1 O-Ring fixture set can be used in any operating stand (except OS-1 and PTS-HP) to check o-rings with cross sections from 1/16" to 1/4 an M scale durometer.

NOTE: For best results, the fixtures should be orientated in the base so that the pins are parallel to the durometer dial face.

Instructions for use:

The ORF-1 fixtures center o-rings between two pins under the indenter of the durometer, therefore it becomes necessary to use an operating stand. It is also necessary to center the gauge so that the indenter makes contact at the crown of the o-ring as it sits between the fixture pins.

1. To center the gauge remove the standard specimen holder from the base of your operating stand and insert the set plug included with the ORF-1.
2. Loosen the column lock lever and position the foot of the gauge so that it is directly over the counter-bore in the set plug. Then lower the arm assembly so that the foot of the gauge slides into the counter-bore of the set plug. With the foot inside the set plug, re-tighten the column lock lever when the foot has just made contact with the bottom of the counter-bore. The stand is now set with the proper alignment and height for the o-ring fixture.
3. Select the proper size fixture for the cross section of the o-ring that will be tested. When placed in the proper fixture, the cross section will fit snugly between the pins, but should not be compressed between the pins. If a specimen does not fit properly between the pins on one of the standard fixtures, a custom-sized fixture can be ordered. Place the fixture in the base of the stand, and then place the o-ring in the fixture, making sure it is fully seated. When the durometer is lowered onto the specimen it will indicate the durometer reading.