

**PRESSURE GAUGES WITH STRAIGHT THREAD**  
**O-RING FITTINGS (J-5 14)**

The National Fluid Power Association recommends the use of straight thread O-ring ports (SAE Standard J-5 14) instead of pipe threads for fluid power components.

The reason for this recommendation is to minimize the possibility of leakage which may occur with pipe threads.

This connection is available on 2½" 1009SW and 63mm 1008S gauges. The code designation for this connection is "RW". The male thread is a 7/16"-20 straight thread with an O-ring groove and provisions for a lock nut. There is a backup washer between the O-ring and the nut. The gauge may be rotated to the desired position and the O-ring, washer and nut help to create a tight seal.



Major users of this connection are:

- The Automotive Industry
- The Aerospace Industry
- Agricultural and Construction Equipment Makers
- Hydraulic Equipment

Some important advantages and benefits of this connection are:

1. Seals, even with surface imperfections, better than metal-to-metal seals.
2. Can withstand the vibration, expansion and contraction that may cause pipe threads to loosen and leak.
3. Takes less time and effort to install.
4. Gauges can be oriented properly prior to tightening.
5. Does not need constant tightening.
6. Does not require sealant or tape.
7. Does not damage threads so the gauge can be removed and returned to use.