

DEADWEIGHT TESTERS

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OVERVIEW

An alternative to the Proof Ring technique for NACE TM 0177 is the use of deadweight test frames. This technique allows for more precise load control and measurement (using a load cell) and with less space constraint, permits larger or longer specimens to be tested using custom designed vessels. All standard Cortest vessels, flow controls, timer controls, and temperature controls are compatible with the deadweight testers. **They are available in single and three channel configurations. Using the 24:1 lever arm, loads of up to 10,000 lbs can be applied to the specimen.**

CATEGORIES : OIL & GAS | STEEL | RESEARCH

TEST METHOD

NACE TM0177
(Method A)

WEIGHT RATIO

24:1

LOAD CAPACITY UP TO

50 kN
(10,000 lbs)

DEADWEIGHT TESTERS SYSTEM FEATURES

- Construction: Welded, Powder Coated Frame
- Up to 50 kN (10,000 lbs) Load Capacity
- Precision Fulcrum Arm with 24:1 Weight Ratio
- Environmental Chamber Options
 - Ambient Condition Acrylic (Standard)
 - Pyrex Glass Vessels
 - High Temperature Vessels
 - Tempressure (HPHT) Vessels
- Includes Complete Weight Set

CONTROLS

- Gas Flow Control Enclosures to Meter N₂ and H₂S
- Multi-Channel Timer Panel to Measure and Record Time to Failure
- Model 12.6 Temperature Control for High Temp Vessels

TYPICAL APPLICATIONS

- Stress Corrosion Cracking – NACE TM 0177
- New Product Development/Testing