



1 1/2" NPTF Threaded Head Spiral Gauges

Applications

The 8687 Junior Top mount model Threaded Head Medium Duty Spiral Gauge is designed for use in measuring liquid levels in gasoline, diesel, fuel, bio-diesel, hydraulic and lubricating oils where space restrictions prevent the use of swing-arm style mechanical gauge. It is ideal for medium duty construction & agriculture, lawn & garden, marine and recreational vehicle applications.

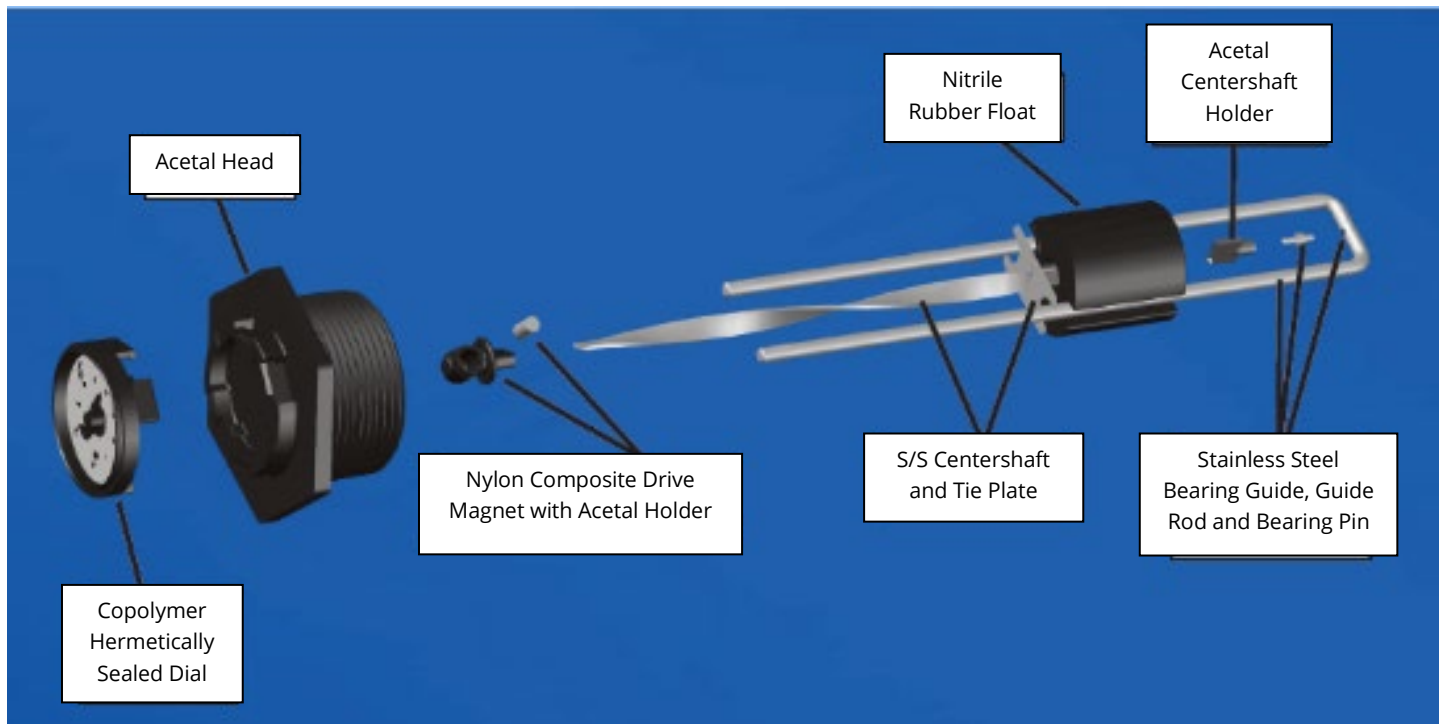


General Information & Features

- Field Replaceable Snap-On Fractional Dial & Gasket.
- Solid Construction Head, No-Leakage Path to Dial.

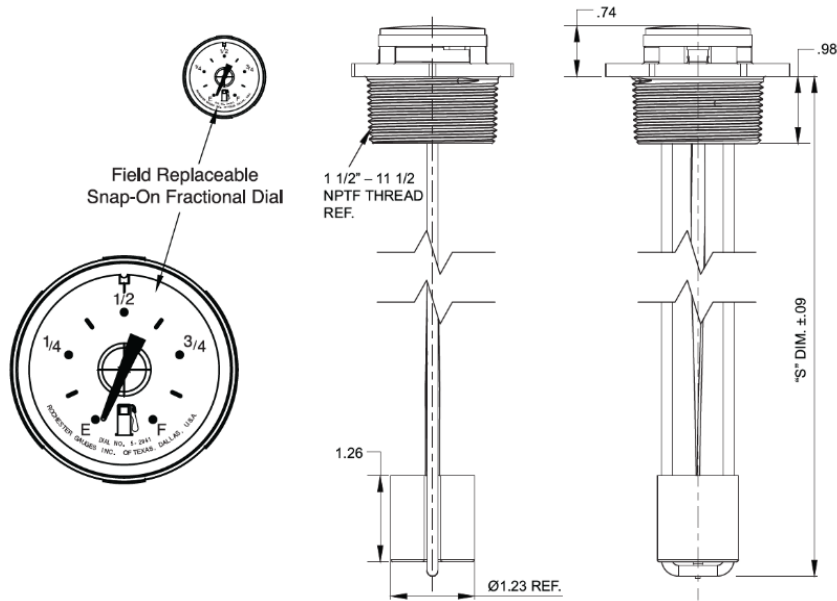
The Thread Head mounting of the 8687 Spiral Gauge allows a tight seal that restricts vapor loss. The "Screw In" mounting contributes to the gauge adaptability for use in restricted areas.

The 8687 Threaded Head Spiral Gauge is designed for top mounting with an easy to read fractional dial. It is available in lengths from 6 to 30 inches max.



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The Rochester magnetic liquid level gauge operates simply by means of a float actuating a powerful magnet inside the container which in turn provides an invisible “magnetic coupling”, through a solid head, with the magnet on the pointer in the dial chamber. Thus the gauge head completely seals off the liquid in the container so the dial may be removed and replaced quickly anytime without loss of liquid or vapor.

General Specifications*

Mounting

Designed for top-mounting only. Gauges uses 1 1/2" NPTF threaded head.

Accuracy

Accuracy depends upon gauge sizing. Direct read dials $\pm 7\%$. Accuracy may be less depending upon tank shape. Accuracy may be less near full and empty. Accuracy may be less if tank is not level. This gauge is not to be used for filling. All accuracy estimates are expressed as a percent of full scale.

Temperature Range

Standard operating range is -40°F to 158°F , -40°C to 70°C .

Shock & Vibration

Suitable for mobile, off-road medium duty and marine applications.

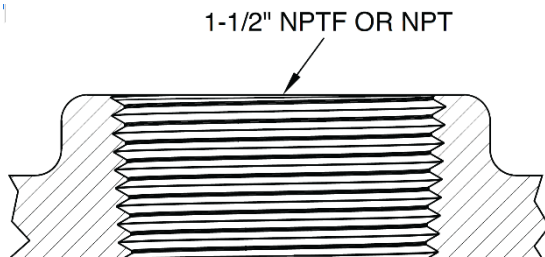
Tank Pressure

0 to 14.5 psig [0 – 1.0 Bar] maximum.

Tank Opening Details

See drawing below

Note: for gauge installation instructions see MS-516.



Materials of Construction*

Head

Acetal.

Guide Rod

Stainless steel.

Centershaf

Stainless steel.

Tie Plate

Stainless Steel.

Guide & Bearing Pin

Stainless Steel.

Float

Nitrile Ebonite.

Drive Magnetic

Nylon 12 composite.

Standard Dial

Copolymer, hermetically sealed, gasoline resistant.

Bearings

Acetal.

When ordering, specify:

1. Gauge model number.
2. Tank depth.
3. Riser Height, if any.

*Materials and specifications are subject to change without notice.

Pressure ratings subject to change due to temperature and other environmental considerations.

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