

# MAIN SEAL LEAK INDICATOR

Leak indicator means leaks can be detected before any leakage, allowing operators to replace seals before losing any product into the environment.

### **JOURNAL BEARING**

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A caged journal bearing means no more loose ball bearings for quick and easy assembly and disassembly.

The swivel joint can be disassembled and seals can be changed without removal of the journal bearing.

# **BACKUP SEAL**

Prevents environmental and personal hazard in the event the main seal fails.

### **THRUST BEARING WASHERS**

Hardened steel races allow longer life, corrosion protection, and easy replacement.

#### $\bigcirc$ **THRUST BEARINGS**

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# **PRODUCT VARIATIONS**

SEAL	PIPE SIZES	END	PRESSURE	TEMPERATURE	BODY	SURFACE
MATERIAL		CONDITIONS	RANGE	RANGE	MATERIAL	COATINGS
PTFE with Stainless Steel Spring	<sup>1</sup> / <sub>2</sub> ", <sup>3</sup> / <sub>4</sub> ", 1", 1 1/ <sub>4</sub> ", 1 1/ <sub>2</sub> ", 2", 2 1/ <sub>2</sub> ", 3", 4", 6", 8", 10", 12", 14", 16", 18", 20", 24"	Beveled for Weld, Custom End Upon Request	Up to 3000 PSI, Inquire for Higher Pressure Ratings	400F to -250F	Carbon Steel Stainless Steel or Aluminum	Nickel Plating Natural Finish Powder Coating or Painted

# **HIGHER PERFORMANCE,** LESS DOWN TIME

### **Every Fluid, Every Pressure, Every Position**

Spring energized PTFE seals mean consistent sealing performance across a large range of applications and environmental conditions.

#### **Reduce Personal and Environmental Hazards**

Patent pending leak detection system provides a safe method of preventing personal or environmental harm due to a failure of the main seal. Operators can now know when seals have failed and be able to respond before any product is lost.

# Complete the Job Quicker, with Less Effort

Quicker, easier, and smoother operation means the job can be completed faster. Reduced rotational friction means lower risk of injury with less effort.

### **Custom Designed for Any Application**

Whether you need a new system or replacement of old swivel joints, Meter Engineers will work with you to meet your needs.

# **Designed for Performance**

Combined with Meter Engineers' Spring Assists, MagnaProve<sup>®</sup> Compact Displacement Prover, Custom Trailer Fabrication, and unparalled factory support you can be confident the job will always be done quickly and correctly.

PATENT PENDING

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# **ADDITIONAL FEATURES**

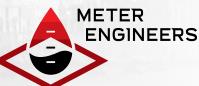
 PTFE seal material with a stainless steel spring allows for compatibility with a large range of fluid products with low friction.

 Bolt together design means quick and easy assembly without the hassle of individual ball bearings.

 Preloaded bearings means zero movement within the swivel joint, prolonging sealing ability and life.

 Heavy wall bore allows for high strength with a low pressure drop across the swivel joint and versatility to be used with standard or heavy pipe walls.







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# TRUSTED BY THE INDUSTRY

When the petroleum measurement industry needs assurance, they seek Meter Engineers. Serving worldwide for over four decades, our name is synonymous with innovative thinking, advanced manufacturing and detailed quality control.

Ingenuity is engrained into all aspects of our state-of-the-art facility, cutting-edge product lines and exceptional factory support. When you work with Meter Engineers, you are working with a pioneer.





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**MAGNAPROVE**<sup>®</sup>



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