



## LYNX™ MULTI-CHANNEL STRAIN GAGE SENSORS

**MCSG-125/500/2000**



The MCSG-125/500/2000 are multi-channel digital strain gage, 0.50" (12,7 mm) button-style cavity pressure sensors designed for use with the RJG, Inc. eDART® and CoPilot® process control and monitoring systems.

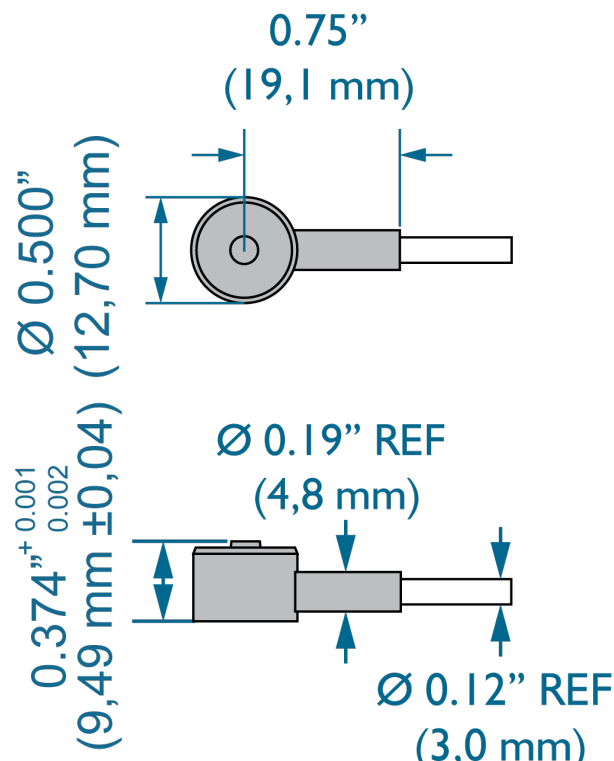
### TECHNICAL SPECIFICATIONS

| SENSOR    | FORCE RANGE      | ACCURACY    |
|-----------|------------------|-------------|
| MCSG-125  | 125 lb. 0.56 kN  | ±1.25% F.S. |
| MCSG-500  | 500 lb. 2.22 kN  | ±1.25% F.S. |
| MCSG-2000 | 2000 lb. 8.90 kN | ±1.25% F.S. |

### TEMPERATURE

| SENSOR HEAD                 |        |        |
|-----------------------------|--------|--------|
| Temperature Max. (standard) | 250 °F | 120 °C |
| Temperature Max. (hi-temp)  | 425 °F | 220 °C |
| SENSOR CONNECTOR            |        |        |
| Temperature Max.            | 185 °F | 85 °C  |

### PRODUCT DIMENSIONS



### STANDARD CABLE LENGTHS

Length must be longer than needed to facilitate safe installation and removal of connector from tool to prevent tension on the lead wire; generally, 2–3" (50–75 mm) of slack is sufficient.

All standard lengths  $\pm 0.13$ " (3.2 mm) at build.

| MODEL NO.             | LENGTH           |
|-----------------------|------------------|
| MCSG-125/500/2000-2   | 7.87" (200 mm)   |
| MCSG-125/500/2000-4   | 15.75" (400 mm)  |
| MCSG-125/500/2000-6   | 23.62" (600 mm)  |
| MCSG-125/500/2000-8   | 31.50" (800 mm)  |
| MCSG-125/500/2000-1.0 | 39.37" (1000 mm) |
| MCSG-125/500/2000-1.2 | 47.24" (1200 mm) |
| MCSG-125/500/2000-1.4 | 55.12" (1400 mm) |
| MCSG-125/500/2000-1.6 | 62.99" (1600 mm) |
| MCSG-125/500/2000-2.0 | 78.74" (2000 mm) |

Also available in custom-order lengths at an additional cost.



### SENSOR CABLE ORDERING LENGTH

## INSTALLATION

Refer to product manual and installation guide for all dimensions—available for download online at [www.rjginc.com](http://www.rjginc.com).

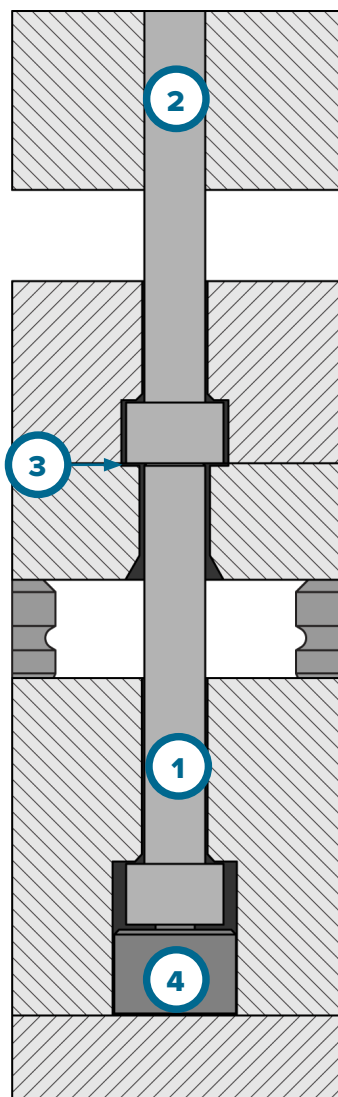
1 Transfer Pin

2 Ejector Pin

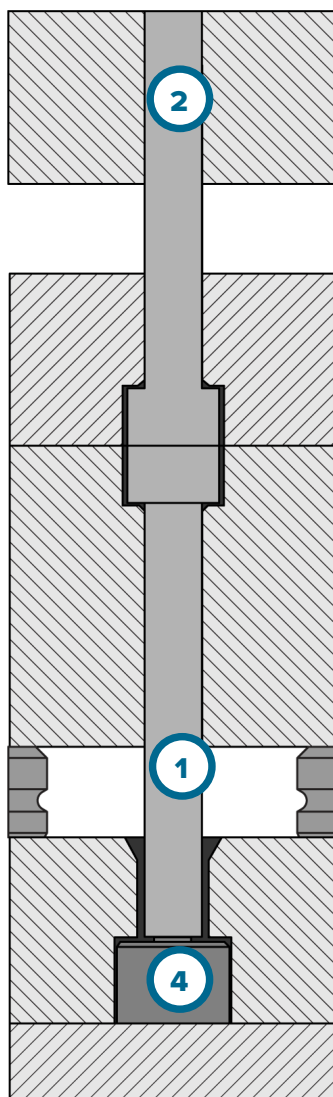
3 Counterbore in Ejector Plate

4 Sensor

### CLAMP PLATE (TYPICAL) INSTALLATION



### CLAMP PLATE (HEAD-TO-HEAD) INSTALLATION



### EJECTOR PLATE INSTALLATION

