



# TIE BAR STRAIN GAUGES

## HELPS ELIMINATE TIE BAR BREAKAGE



### FEATURES

- Helps Eliminate tie bar breakage, die splitting, and toggle pin wear.
- Simple to use.
- Adjust machine for maximum tonnage.
- Attaches with lever-engaged magnetic clamps.
- Two piece design eliminates alignment problems.
- Move from tie bar to tie bar quickly.
- Includes hand crafted oak carrying case.
- Zeroing lever for quick calibration.
- NIST certified calibration.
- Complete Instructions included.

### SPECIFICATIONS

- Accuracy:
  - DA - ± 300psi @ 10,000psi
  - DSA - ± 500psi @ 10,000psi
- Designed for machines with 10,000 psi on the bar. Mathematical correction factor required for other types.

This unique Tie Bar Strain Gauge helps eliminate tie bar breakage, die splitting, and toggle pin wear by enabling you to adjust your machine for maximum locking tonnage. It also allows setting tie bar tension for equal lockup at reduced tonnage for small dies mounted in large die casting machines or for unequal lockup for dies mounted off-center.

Simple to operate, the Tie Bar Strain Gauge is attached with lever-engaging magnetic clamps and provides a direct readout of relative tension in each tie bar. The Tie Bar Strain Gauge can also be used to adjust two and four post trim press locking tonnage.

The Tie Bar Strain Gauges are available in 3 models, 2 analog and 1 digital. The DA models are a two-piece system which makes alignment problems a thing of the past. They are used on tie bars of 2" diameter or greater where there is 14" of clear space for taking readings. The DSA model is shorter requiring just 8" of tie bar and can be used on tie bar diameters as small as 1-3/4". The DA model is also available with a digital readout which can provide remote access to the readings.

**DA MODELS**  
**FOR 100+ TON MACHINES**  
 Requires 14" clear bar space  
 Will fit 2" dia. or larger tie bars.

**1 YEAR WARRANTY**

**DSA MODEL**  
**FOR 25-100 TON MACHINES**  
 Requires 8" clear bar space  
 Will fit 1-3/4" to 6" dia. tie bars.



Stock Analog Model shown.



Stock Analog Model shown.

Wooden Case included.

Analog Model **DA10001**  
 Price ..... **\$1,275.00**

Analog Model **DSA10015**  
 Price ..... **\$1,689.00**

Digital Model **DA10003**  
 This model uses a Mitutoyo 543-793B Absolute Digimatic Indicator.  
  
 Price ..... **\$2,556.00**

**ALL MODELS  
 IN STOCK!**

Complete repair service available, cost = time & materials.  
 Factory Recalibration available . . . . . **\$207.50**



## PLASTIC PROCESS EQUIPMENT, INC.

**EAST** 8303 CORPORATE PARK DRIVE  
 MACEDONIA, OHIO 44056  
 216-367-7000 • FAX: 216-367-7022  
 TOLL FREE: 800-321-0562

**WEST** 6385 MONTESSOURI STREET  
 LAS VEGAS, NEVADA 89113  
 702-433-6385 • FAX: 702-433-6388  
 TOLL FREE: 800-258-8877

**www.ppe.com**  
 e-mail: sales@ppe.com  
**Toll Free: USA, Canada & Mexico**  
**800-362-0706**  
 Order Fax: 800-223-8305