





MSNST SHEAR PIN LOAD CELLS



Measurement Specialists Inc, dba National Scale Technology, manufactures shear pin and clevis pin-style load cells, or “load pins”, optimized to weigh anywhere from 500 pounds all the way up to 7,625,000 LBS for hanging-weight and rotational applications. On-site electrical engineers and technicians allow for customized bridge, excitation, output, and wiring configurations.

MSNST Drawing #
18XXXXX
Shear Pin


Capacities	500 — 7,625,000 LBS
Temperature Ranges	10°F — 400°F
Nonlinearity Ranges	0.40% — 0.75%
Repeatability Ranges	0.10% — 0.20%


 **Compression & Tension** Universal | Cyclic Stresses


 **Shear** Parallel Stress | Material Displacement

Specifications reflect shear pin and clevis pin-style load cells either currently in stock, or previously engineered and ready-to-assemble, as of August 2022. Accuracy data based on full-scale output readings upon completion of production, which is an average 6–8 weeks period for new load cells. Pricing available for off-the-shelf MSNST #18XXXXX units.

Shear pin, clevis pin, and cantilever pin-style load cells are hermetically-sealed cylinders ideal for rigging measurements. Thanks to their long operational life, Measurement Specialists’ pin load cells are great for retrofitting into existing clevis bolts, shear axles, shear pins, and shackle bolt devices. MSNST manufactures units interchangeable with most other force measurement brands – consistently reporting higher performance metrics in terms of accuracy and durability.

 **Element | Envelope Metal**
17-4PH Stainless Steel
4340 Carbon Steel
A36 Alloy Steel

 **Cabling Materials**
Heavy-Duty Polyurethane
Braided Steel
Teflon Hose

 **Mounting Hardware**
Rocker Pins
Steel Plates
Tension Adapters

MSNST has been a provider and distributor of weighing solutions across the world for 40 years now, and carries discontinued pin-style load cells customizable to fit any need.



Any facility utilizing weighing equipment should calibrate its scales at least annually for peak performance. This ensures longevity of the load cell(s), keeps your business in compliance with ISO/QMS standards, and saves you money from buying a new device.

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**MEASUREMENT
SPECIALISTS**
NATIONAL SCALE TECHNOLOGY

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