

Almen Gauges

Advanced Almen Gauge



Part Number -
T-AG-2

Precision crafted in the USA, the electronics Inc. Advanced Almen Gauge continues to be the finest gauge on the market. It has all of the features needed to satisfy the most stringent specifications for the #2 type Almen Gauge.

- Easy to read display. Gauge has a large digital display that is English/metric convertible and can be rotated so you can perform the Almen Strip tests standing or sitting.
- Patented magnetic grip and foolproof end stops. The strip is mounted for accurate measurement so no spring or finger holding force will corrupt the reading accuracy. Since all of the holding force is concentrated at the support balls, absolutely no strip distortion can occur. Our end stops assure placement within the intended measuring point on the strip.

- 0.0001" (.001mm) resolution. Meets SAE and aerospace specifications including SAE J 442 and AMS 2430.

- SPC data Port. It's standard on every gauge to allow direct data transfer to your computer
- Computer Interface Device that connects gauge to computer USB port. (Available as an accessory)

- Convenient battery replacement. The battery is easy-to-charge and readily available. The gauge will not lose information when you change the battery so there is no need to recalibrate the gauge after battery replacement.

- Certificate of Calibration to J442 included

- Qualifies to SAE AMS2432C and Boeing BAC5730N.

- Also qualifies to AMS 2430 which requires use of the end stops on the #2 Almen Gauge

Almen Gauge Jr.

If you don't need the high precision of a digital gauge, the Almen Gauge Jr is an analogue style that's ideal for general purpose shot peening and blast cleaning.

The small size and light weight of the Almen Gauge Jr. make it convenient for operators to use anywhere. The Almen Gauge Jr. has a 1-3/4" dial indicator with .0005 graduations for easy reading of the Almen strip arc height.

The Almen Gauge Jr also has many of the same features of the Advanced Almen Gauge including:

- Precision machining
- durable hardcoat finish
- patented magnetic grip
- stem mounted indicator
- MIL-S-13165 compliant.

Note: Almen Gauge Jr. cannot qualify for SAE J 442 since it does not have a digital indicator with 0.0001" resolution. Further, it does not qualify to AMS 2430 because it does not have the end stops.



Almen Strips



The Almen strip hasn't changed significantly since its development in the 1940's by John Almen. Year after year, the deceptively simple test coupon fulfilled its function as an indicator of shot peening intensity.

Types and Grades of Almen Strips

By Type

"A" Strips are used for medium intensity applications. "A" Strips are predominantly used for shot peening with cast shot or cut wire shot.

"N" Strips are used for low intensity applications. "N" strips are used usually for glass bead and ceramic bead peening.

"C" Strips are used for high intensity Applications

By Grade

Grade 1

Meets SAE J442. Strips are sample inspected for flatness (± 0.001 -inch) on each side.

Grade 2

Meets AMS-S-13165. Excess oil is removed from the Grade 2 Standard strips. The strip surfaces are then visually inspected for score marks, scratches, nicks, burrs, pits and rust. Strips are certified using a sampling inspection plan for hardness, length, width, thickness, and flatness

Strips Available – Packet of 50

Type A – Grade 1 – Part Number T-ASA-1
 Type A – Grade 2 – Part Number T-ASA-2

Type C – Grade 1 – Part Number T-ASC-1
 Type C – Grade 2 – Part Number T-ASC-2

Type N – Grade 1 – Part Number T-ASN-1
 Type N – Grade 2 – Part Number T-ASN-2

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