

# Occupational Health & Safety

## ANSI Certified Anti-Vibration Air Glove®

**Issue:** Hand-Arm Vibration Syndrome and repetitive trauma associated with excessive vibration directed into the hands and arms is a significant health problem in U.S. industry affecting millions of workers. Associated with the destruction of the small blood vessels and with nerve damage in the fingers. Caused by excessive vibration directed into the hands from vibrating hand tools and vibration-intensive work.

**Application:** The IMPACTO AIR GLOVE® provides maximum vibration protection when working with tools such as chipping hammers, needle guns, sanders, jackhammers, rivet guns, chainsaws and grinders.

**Recommendation:** The ANSI Certified AIR GLOVE® ensures workers have the best hand protection when using vibrating tools while still allowing maximum dexterity and tool control.

### Product Features & Benefits:



#### ANSI Certified & Patented Air Glove® Technology

- Meets Anti-Vibration glove standard ANSI S3.40-2002: EN ISO 10819:1996
- Air Glove® Test Results exceed standard requirements - Mid Frequencies  $TR_M$  is 0.75 (must be less than 1.0) and in High Frequencies  $TR_H$  is 0.45 ( $TR_H$  must be less than 0.6)
- Durable urethane bladder construction provides consistent protection
- Multiple air cells are less susceptible to failure for long lasting wear
- Thin, lightweight glove designs are flexible around tool handles
- Tests better than other thicker gloves in the market
- Air bladder will not bottom out overtime

#### About Anti-Vibration Glove Standards ISO 10819 and ANSI S2.73-2002 (R 2007) / ISO 10819:1996

European Anti-Vibration Standard ISO 10819 specifies the amplitude of vibration transmissibility that must be achieved for a glove to be classified as Anti-Vibration. The standard requires the overall transmissibility of a glove to be measured for Mid Frequencies:  **$TR_M$  must be less than 1.0** and for High Frequencies:  **$TR_H$  must be less than 0.6**.

In 2002, ANSI (American National standards Institute) confirmed the establishment of a method to evaluate the performance of Anti-Vibration gloves. This standard is identical to the European ISO 10819 and it identified it as **ANSI S2.73-2002 (R 2007) / ISO 10819:1996**.

#### Mechanic's Style Anti-Vibration Air Glove®

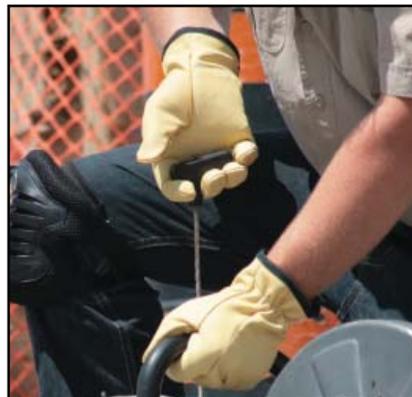
Synthetic Ultra Suede leather provides excellent wear and flexibility. Textured patches on the palm and finger tips ensure superior gripping. Mesh back allows hand ventilation.



GRAINGER No.  
 4HDK2 - Medium  
 4HDK3 - Large  
 4HDK4 - XLarge  
 4HDK5 - XXLarge

#### All Leather Style Anti-Vibration Air Glove®

Full grain cowhide leather construction is soft and durable. Elasticized cuff prevent debris from entering. Driver style cuff, easy on/off. Heavy duty, abrasion & sparks resistant.



GRAINGER No.  
 2HEV9 - Medium  
 2HEW1 - Large  
 2HEW2 - XLarge