IMPACTO® Full Finger Air Gloves® exceed Anti-Vibration Glove standards

ABOUT IMPACTO PATENTED AIR GLOVE TECHNOLOGY

- Multiple air chambers ensure optimal glove functionality and durability
- Individual air chambers are less susceptible to failure for long lasting wear
- Lightweight, soft and adaptable the air bladder conforms to the flex-lines of the palm and fingers minimizing grip stress and providing greater tool control
- Non-permeable air bladder will not degenerate or bottom out
- Durable urethane construction provides consistent protection
- Thin, pliable air bladder is flexible around tool handles
- Versatile design can be used in a large range of styles
- The AIR GLOVE ensures workers have the best hand protection when using vibrating tools while still allowing maximum dexterity and tool control
- Maximum vibration protection when working with tools such as chipping hammers, needle guns, sanders, jackhammers, rivet guns, chainsaws and grinders
- AIR GLOVE US Patent No. 7,865,969

IMPACTO Vibration Protection

Hand-Arm Vibration Syndrome, HAVS and repetitive trauma associated with excessive vibration is a significant health problem in industries affecting millions of workers. The IMPACTO AIR GLOVE reduces vibration energy transmission to the palm and fingers. The AIR GLOVE helps prevent job specific Impact and Hand-Arm vibration in the workplace while still allowing full range of motion and manual dexterity. With multiple individual air chambers, even if one chamber breaks down, the other cells ensure full glove effectiveness. The construction of the Air Bladder allows for glove design flexibility and can be placed in most glove styles. IMPACTO offers the most styles of ANSI certified gloves in the market.

Anti-Vibration Glove Standard

International Standard EN ISO 10819:1996 (“Mechanical vibration and shock Hand-arm vibration - Method for the measurement and evaluation of the vibration transmissibility of gloves at the palm of the hand”) specifies the amplitude of vibration transmissibility that must be achieved for a glove to be classified as an anti-vibration glove. The standard requires the overall transmissibility of a glove to be measured for mid frequencies ($TR_m$ frequency range from 16-400 Hz) and for high frequencies ($TR_h$ frequency range from 100-600 Hz). $TR_m$ must be less than 1.0, and $TR_h$ must be less than 0.6.

Air Glove® Vibration test results: $TR_m = 0.75 < 1$ $TR_h = 0.45 < 0.6$.

In April 2002, ANSI (American National Standards Institute) confirmed the establishment of a method to evaluate the performance of Anti-Vibration products. This standard is identical to the European International Standard EN ISO 10819 and is identified as ANSI S2.73-2002 (R 2007) / ISO 10819:1996.

#BG408

Designed for best comfort, protection and dexterity. Used with vibrating power tools such as grinders, chipping hammers, trimmers, sanders and chainsaws. Air bladder protects the palm, thumb and fingers. Synthetic suede leather provides excellent flexibility. Silicone dots on the palm and fingers ensure superior gripping. Adjustable wrist tab with hook/loop closure. Mesh back allows ventilation. Machine washable.

#BGHIVIS

Used with vibrating power tools at night or in low-light conditions. Air technology in the palm, thumb and fingers. Synthetic suede leather provides excellent wear and flexibility. Silicone dots on the palm and fingers ensure superior gripping. Reflective strips on the back of the hand and finger tips enhance visibility at night and in low light conditions. Glow in the dark wrist cuff with hook/loop closure. Bright glove mesh back allows hand ventilation. Machine washable.
### PEARL LEATHER SERIES

Soft leather palm side with nylon back offer great dexterity and tactile feedback. Hook/loop wrist closure is fully adjustable to ensure a comfortable fit.

<table>
<thead>
<tr>
<th>Part#</th>
<th>Finger Style</th>
<th>VEP Protection</th>
<th>Wrist Support</th>
</tr>
</thead>
<tbody>
<tr>
<td>BG401</td>
<td>1/2</td>
<td>Palm/fingers/thumb</td>
<td></td>
</tr>
<tr>
<td>BG402</td>
<td>3/4</td>
<td>Palm/fingers/thumb</td>
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<td>Full</td>
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<td></td>
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<tr>
<td>BG471</td>
<td>1/2</td>
<td>Palm/fingers/thumb</td>
<td>Leather</td>
</tr>
<tr>
<td>BG471-01</td>
<td>1/2</td>
<td>Palm/fingers/thumb</td>
<td>Elastic</td>
</tr>
<tr>
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<td>BG475</td>
<td>1/2</td>
<td>Palm/fingers/thumb</td>
<td>Leather</td>
</tr>
<tr>
<td>BG475-30</td>
<td>1/2</td>
<td>Palm/fingers/thumb</td>
<td>Leather</td>
</tr>
<tr>
<td>BG485</td>
<td>3/4</td>
<td>Palm/fingers/thumb</td>
<td>Leather</td>
</tr>
</tbody>
</table>

UOM: PR, LH, RH  XS - XXL  ANSI / ISO 10819

### ALL LEATHER

Full finger style used with vibration power tools in most construction and assembly operations. Air Bladder protects the palm, fingers and thumb. Durable cowhide leather offers best durability in abrasive environments.

- **#BG650** - with elasticized driver style cuff to ensure fit and comfort and prevent debris from entering the hand
- **#BG750** - with leather wrist support to protect from repetitive strain injuries such as carpal tunnel syndrome

UOM: PR, LH, RH  XS - XXL  ANSI / ISO 10819

### ANTI-VIBRATION AIR LINER


- **#BG601** - full finger
- **#BG505** - half finger
- **#BG501** - fingerless in 4-way stretch polycotton fabric

UOM: PR, LH, RH  XS - XXL  ANSI / ISO 10819

### NITRILE COATED

Ultimate dry gripping with Nitrile coated fabric to provide superior dexterity, cut and abrasion resistance. Great for work in oily environments. Air bladder protects the palm/ fingers/thumb. Fingers can be cut off without fraying. Driver style cuff with elasticized wrist offers great fit.

**#BGNITRILE**
ANTI-VIBRATION GLOVES

The BLACKMAXX offers a cost effective solution for vibration protection. Coated with “pods” of lightweight cellular Chloroprene. Uses encapsulated air to cushion and dampen vibration giving the user optimum dexterity.

Item | Knit fabric | Fingers | Part# (Cuff color) | Certified
--- | --- | --- | --- | ---
Blackmaxx | Nylon/cotton | Full | VI4731 (red) | 3242 -
Blackmaxx Pro | Nylon/cotton | Full | VI4737 (red) | X343 ANSI / ISO 10819
Blackmaxx Touch | Nylon/cotton | Half | VI4746 (red) | 3442 -
Blackmaxx Blade | 60% KEVLAR®, 40% cotton | Full | VI4740 (red) | 3443 -
Blackmaxx Blade Pro | 60% KEVLAR®, 40% cotton | Full | VI4743 (red) | X343 ANSI / ISO 10819
Heavy Hitter | Nylon/cotton | Full | VI4748 (red) | 4242 -

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