



### 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**.

### 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.



#### # 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.

#### MECHANIC'S STYLE

UOM: PR, CASE: 8

S - XXL

ANSI / ISO 10819



#### # 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.

#### HI-VISIBILITY MECHANIC'S

UOM: PR, CASE: 10

S - XXL

ANSI / ISO 10819



**IMPACTO® Full Finger Air Gloves® exceed Anti-Vibration Glove standards EN ISO 10819:1996 and ANSI S2.73-2002 (R 2007) / ISO 10819:1996**



#BG401

## 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.

Part#	Finger Style	VEP Protection	Wrist Support
BG401	1/2	Palm/fingers/thumb	
BG402	3/4	Palm/fingers/thumb	
BG413	Full	Palm/fingers/thumb	
BG471	1/2	Palm/fingers/thumb	Leather
BG471-01	1/2	Palm/fingers/thumb	Elastic
BG473	Full	Palm/fingers/thumb	Elastic
BG475	1/2	Palm/fingers/thumb/web	
BG475-30	1/2	Palm/fingers/thumb/web	Leather
BG485	3/4	Palm/fingers/thumb/web	Leather

UOM: PR, LH, RH

XS - XXL



#BG413



ANSI / ISO 10819

#BG473

RSI



ANSI / ISO 10819

#BG475-30

RSI



#BG650



#BG750

RSI

## 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



Worn under protective glove. Breathable, lint free jersey fabric. Air bladder in palm, fingers & thumb. Leaves no lint for clean work environments. Half finger style for activities that require extra tactile feedback.

#BG601 - full finger

#BG505 - half finger

#BG501 - fingerless in 4-way stretch polycotton fabric

## ANTI-VIBRATION AIR LINER

UOM: PR, LH, RH

XS - XXL

ANSI / ISO 10819



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

## NITRILE COATED

UOM: PR, LH, RH

XS - XXL

ANSI / ISO 10819



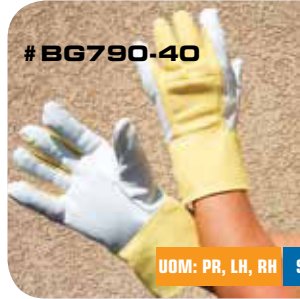
ANTI-VIBRATION AIR GLOVES®



**#BG690** Soft pearl leather palm and fingers ensure dexterity and tactile feedback. Air bladder in the palm, fingers and thumb. Cotton back for breathability. Suede leather wide safety cuff protects the wrist and forearm.

**SAFETY CUFF**

UOM: PR, LH, RH S - XXL ANSI / ISO 10819 CE 2212



**#BG790-40** Made with 100% KEVLAR® knit. Protects from abrasion, vibration, heat and slash. Air bladder in the palm, fingers and thumb. Safety cuff.

**#BG790-00**  
**#BG790-00** - Leather cover

**ANTI-SLASH**

UOM: PR, LH, RH S - XXL ANSI / ISO 10819 CE 4232



Breathable cotton back. Reinforced stitching. Air bladder in the palm, fingers and thumb. Cotton safety cuff.

**#BGFITLEA** - Leather palm  
**#BGFITSUE** - Suede palm

**FITTER'S STYLES**

UOM: PR M, L, XL ANSI / ISO 10819 CE

VIBRATION PROTECTION

The new **AVPRO** offers cost effective outstanding protection from vibration. Ideal for use with vibrating tools such as sanders, trimmers/brush cutters, powered lawn mowers, driving, handheld grinders, hammer drills, jigsaws, polishers, power hammers and air chisels.

**#AV759030 (M)**  
**#AV759040 (L)**  
**#AV759050 (XL)**



**NEW!**

Padded with patented foam technology in the palm, fingers, thumb & thumb web area help prevent Hand-Arm Vibration syndrome (HAVS). Soft, pliable materials ensure tactile feedback for tool control and flexibility. Gusseted full fingers with reinforced tips. Non-slip textured palm, elasticized back. Neoprene cuff with adjustable hook / loop closure. Mechanic's style design offers excellent fit and comfort.

UOM: PR or CASE 10 M, L, XL ANSI / ISO 10819 CE 2210

ANTI-VIBRATION BLACKMAXX



BLACKMAXX

BLACKMAXX TOUCH

BLACKMAXX BLADE

HEAVY HITTER

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 with a lightweight feel. Ideal for use with vibrating tools such as sanders, jackhammers, chain saws, grinders and trimmers.

**BLACKMAXX BLADE**

Made with 60% KEVLAR® and 40% cotton seamless knit material (7gauge liner) to incorporate superior slash protection. Ideal for use with vibrating tools and materials with sharp edges such as during metal or glass fabrication.

**HEAVY HITTER**

Back of the hand coated with heavy-duty "pods" of cellular Chloroprene for impact and abrasion protection. Palm coated to maximize gripping. Cushions and dampens vibration, impact and shock to the back of the hand and fingers. Ideal for any jobs where hands and fingers are exposed to pinching, crushing or striking.

UOM: PR, CASE 10 CE

Item	Knit fabric	Fingers	Part# (Cuff color)			Certified
			M	L	XL	
Blackmaxx	Nylon/cotton	Full	VI4731 (red)	VI4732 (blue)	VI4733 (yellow)	3242 -
Blackmaxx Pro	Nylon/cotton	Full	VI4737 (red)	VI4738 (blue)	VI4739 (yellow)	X343 ANSI / ISO 10819
Blackmaxx Touch	Nylon/cotton	Half	VI4746 (red)	VI4747 (blue)	VI4748 (yellow)	3442 -
Blackmaxx Blade	60% KEVLAR®, 40% cotton	Full	VI4740 (red)	VI4741 (blue)	VI4742 (yellow)	3443 -
Blackmaxx Blade Pro	60% KEVLAR®, 40% cotton	Full	VI4743 (red)	VI4744 (blue)	VI4745 (yellow)	X343 ANSI / ISO 10819
Heavy Hitter	Nylon/cotton	Full	VI4749 (red)	VI4750 (blue)	VI4751 (yellow)	4242 -