



ABOUT PIR

PIP is your trusted partner with over 35 years of safety expertise, industry-leading brands, quality products and best-in-class customer service.

Our slogan 'Bringing the Best of the World to you', is not just about products, it is also about knowledge, our long-standing history of developing innovative products that protect end-users and our commitment to serving our customers better than anyone else in the market. We are here to support you by solving problems in a cost-effective way, that keeps workers safe and performing at their best.



PRODUCTS

PROTECTIVE INDUSTRIAL

PROTECTIVE INDUSTRIAL PRODUCTS TIMELINE

Bringing the best of the world to you[®]

SINCE 1984 - ALBANY, NEW YORK.

1984 to 1999



- Joe Milot and Wellson Tao formed Protective Industrial Products in a 400 sq. ft. space in Albany, NY.

1991

- Purchased assets of Intermarket Imports, Inc. and expanded head office and distribution center into a 28,000 sq. ft. facility in Guilderland, NY.



 Acquired L.A. Sinotech & established a distribution center in California

2000 to 2005

2001

- Acquired Georgia Safety Group and Gloves Unlimited, Inc.
- Opened a distribution center in Memphis, TN.

2002

- PIP Mexico formed



 Acquired PRI Industries – a US manufacturer of specialty seamless knits



- Expanded New York operations to 125,000 sq. ft. and Tennessee distribution center to 90,000 sq. ft.
- Creazione di PIP Latin America

2006 to 2011

2006

- Brahma Glove Co.
 acquired consumer division established
- Mud* consumer glove brand and business acquired
- DSM Dyneema® license acquired



 West County Gardener* consumer glove brand and business acquired

009

- SafetyGear™ USA acquired to extend safety products offering to protective and hi-vis garments



- H.L. Bouton° Eyewear brand and business acquired
- McHenry Knitting and Manufacturing acquired
- Certified Insulating Products assets acquired to enter the electrical safety market
- DuPont™ Kevlar® license acquired

2011 to 2019

- 2012 - ISSI Eyewear acquired
- PIP Canada established - PIP Asia/Pacific operations
- expanded from Hong Kong to include sales and distribution centers in Malaysia and

2014

Acquisition of Safe Industries - manufacturer of knitted sleeves



Acquisition of Safety WorksPIP France established

2018

- Audax Private Equity invest in PIP to maximize accelerated growth potential

2019

- Acquisition of West Chester protective gear
 Acquisition of QRP gloves &
- fingercots
 Acquisition of Worldwide
- protective products

 Acquisition of Dynamic
 safety international
- Acquisition of Uniform Technology®
- Acquisition of Boss® Glove and Safety

2020 - 2021



2020

- Construction of a 74,000 m2 distribution center in Olive Branch, MS, U.S.
- Acquisition of Primax manufacturing Trading Inc. et Caiman®
- Odyssey Investment Partners acquires PIP*, thus ushering in a new era of growth



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 Acquisition of Paramount Safety Products in Australia, leader in the Oceanic region

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UNDERSTANDING CUT AND IMPACT PROTECTION

PIP® gloves are tested to ANSI and EN standards



representative of a specific nerformance characteristic

The 2016 revision included

two more positions. The

resistance test score.

fifth position indicates the

TDM test score and the sixth position indicates the impact



2016 STANDARD



ANSI-138-2019 STANDARD

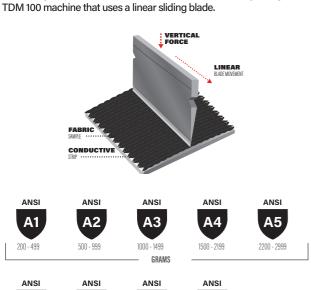
PROTECTIVE INDUSTRIAL PRODUCTS

Both standards test gloves for abrasion, cut, tear and puncture. Our safety managers choose products that are tested and labeled in order to ensure the best possible protection for the job being performed.

ANSI-105

AMERICAN NATIONAL STANDARD

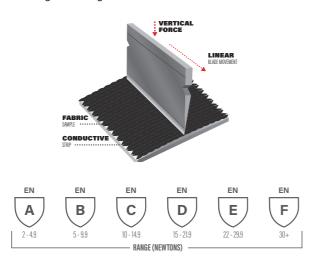
This standard has established ASTM F2992-15 as the test method for measuring cut resistance on a 9-level scale with the widely recognized



EN 388

EUROPEAN CUT STANDARD (CE)

This standard allows for two different testing standards and methods: The Coup Test using a rotating circular blade and the TDM Test using a linear sliding blade using the ISO 13977 method.



CONVERTING NEWTONS TO GRAMS

A7

ANSI/ISEA 105 LEVEL	RANGE (GRAMS)
Al	200 - 499
A2	500 - 999
A3	1,000 - 1,499
MACON A4	1,500 - 2,199
A5	2,200 - 2,999
A6	3,000 - 3,999
A7	4,000 - 4,999
Ā8	5,000 - 5,999
A9	6,000+

EN 388 RATING	RANGE (NEWTONS)	CONVERTED RANGE (GRAMS)
A	2 - 4.9	204 - 508
B	5 - 9.9	509 - 1,019
C	10 - 14.9	1,020 - 1,529
D	15 - 21.9	1,530 - 2,242
E	22 - 29.9	2,243 - 3,058
F	30+	3,059+

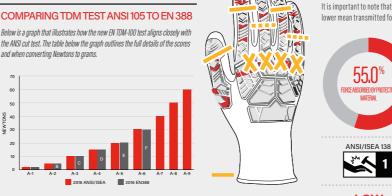
IMPACT RESISTANT GLOVE STANDARD (2019 EDITION) EN 388 PERFORMANCE MARKINGS ANSI/ISEA 138 - 2019 The EN 388 performance as such. Each number is

The ANSI/ISEA 138 2019 Impact Resistant Glove Standard was developed to better classify the impact resistance of gloves, making it easier than ever to choose the right impact glove for any application. This standard considers the minimum performance, classification and labeling requirements for material protecting the fingers and knuckles from impact.

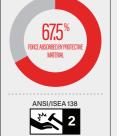
UNDERSTANDING ANSI/ISEA 138-2019 TESTING

ANSI/ISEA 138-2019 outlines three levels of impact protection. Each level is determined by how effectively each $glove \ can \ disperse \ impactful \ force \ applied \ during \ testing. \ The \ way \ this \ impactful \ force \ is \ created \ is \ by \ dropping \ a$ 2.5-kilogram mass onto each glove with an impact energy of 5 joules. This process is repeated ten times on the fingers and eight times on the knuckles. The glove's impact level will then be determined based on the Mean Transmitted

It is important to note that the MTF of the finger region is treated separately from that of the knuckle region, so the lower mean transmitted force of the two regions will be used to classify the glove as a whole.











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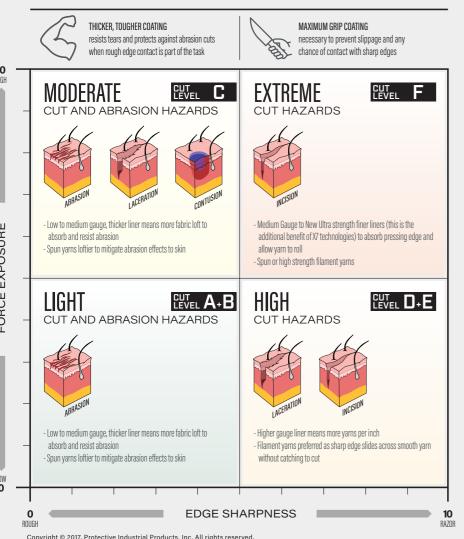
ABOUT PIP

CUT RISK HAZARD MATRIX

Choosing the right hand protection

ADVANCED CUT RISK MANAGMENT

YOUR GUIDE TO THE RIGHT CHOICE



Cut Risk Hazard Matrix

The Cut Risk Hazard Matrix[™] is a unique and logical method to guide users in selecting a glove or sleeve with the right cut resistant material and score. Once a safety manager can identify where their application fits on the Cut Risk Hazard Matrix[™], they can more confidently correlate the task to the glove or sleeve best suited for their job.



DEVELOP A UNIQUE APPROACH

CALCULATING THE CRH: FACTOR™

- 1. Assess the EDGE SHARPNESS with "Rough" equating to the edge of a brick and "Razor" to that of a sharp knife.
- 2. FORCE is relative to the different tasks being performed. Tasks such as deboning large animals require a high degree of force compared to working with box cutters in a repacking operation.
- 3. Mapping the two will place you in one of the four quadrants of RISK where you can determine your CRH: Factor™ and proceed to selecting the optimal coating for maximum grip.



WE'VE EQUATED CUT SCORE FACTORS WITH REAL-WORLD TASKS AND APPLICATIONS AS EXAMPLES

Choosing the correct Cut Level is critical to ensuring hands are adequetly protected against cut hazards. The EN388 Cut Level rating system shown below is a simple way to identify the correct Cut Level for your aplication. If in doubt please consult your local PIP Safety products expert.

CUT LEVEL	A	В	C		E	F
	LIGHT	LIGHT	MODERATE	HIGH	HIGH	EXTREME
WEIGHT	≥200g	≥500g	≥1000g	≥1500g	≥2200g	≥3000g
TYPICAL TASKS	- General Purpose - Warehousing - Small Parts - Assembly	- General Purpose - Plastics Injection and Moulding - Pulp and Paper	- Raw Material Handling - General Manufacturing - Construction	- HVAC - Aerospace - Food Prep	- Glass or Metal Sheet Handling - Automotive Assembly - HVAC	- Metal Fabrication - Glass Manufacturing - Changing Blades - Recycling - Mining - Oil and Gas

EN388:2016

If a business currently has a mandate for minimum Cut Level 5 on site, you could potentially find that under the new ISO 13997 test, gloves that previously rated to a Cut Level 5 could now be classified as a level C or D and sometimes a B.

	LOW	M	EDIU	M	HIGH	
EN388:200	3 1	2	3	4	5	

EN388:2016 A B C D E F







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ABOUT





HIGH DEXTERITY CUT RESISTANT RANGE

CUT RESISTANT HAND PROTECTION - THE NEW NORMAL

Cut resistant gloves are rapidly becoming the new standard on jobsites, preventing avoidable injuries to employees.

PIP's PolyKor® with X7™ Technology (with No Steel or Glass fibre) represents the latest in engineered yarn development. This super lightweight and thin, 18 gauge reinforced yarn provides very high cut resistance, inherent strength and durability by way of specialised proprietary fibre blending.



PROTECTIVE INDUSTRIAL PRODUCTS

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G-TEK CUT RESISTANT LINER EVOLUTION

G-Tek Technology platforms ADVANCED CUT RESISTANT FIBER AND YARN TECHNOLOGIES

Protection workers want to wear.

THAT'S OUR GOAL.

It's about more than just cut protection. It is about cut protection that meets every need. G-Tek* represents the safety industry's most comprehensive line of coated seamless knit gloves.

For over 30 years PIP* has invested in **G-Tek*** products, evolving them from simple cotton knits to the most advanced gloves that combine engineered yarns, advanced ergonomic design and coating elastomers.



KEV™

CUT AND HEAT

Combines the power

of DuPont® Kevlar® with

and protection in light

heat applications.

proprietary core technology for exceptional cut strength

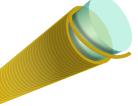
RESISTANCE.













MAXIMUM CUT RESISTANCE NO SKIN IRRITATION

ACP™ are proprietary yarn formulations that use encapsulated glass fibers to maximize cut resistance and eliminate skin irritation.



UNMATCHED COMFORT. IMPROVED CUT PROTECTION.

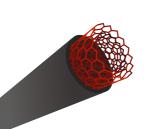
Dyneema* Diamond advanced technology of embedded micro-particles strengthen fibers by up to two times, delivering higher cut scores. 3GX* Technology offers cool touch comfort and lightweight durability for improved productivity.







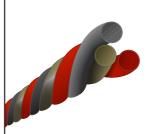




Suprene[®]

TOUGH. RESISTANT. DURABLE.

The latest breakthroughs in nanofabrication has resulted fibers containing graphene material which we call Suprene™. Suprene™ is an high performance yarn that offer unparalleled strength and physical properties that are unique to graphene.



Poly**Kor**

PROTECTION. PERFORMANCE. VALUE.

PolyKor* engineered yarns optimize performance, function and protection using proprietary blends of select fibers to exceed industry standards.

The ultimate objective is an affordable array of cut resistant gloves for practically every application.



Poly**Kor**

STRONGEST. TOUGHEST. HARDEST.

Xrystal™ technology represents the latest in PolyKor* engineered yarns that are combined with naturally hardened crystallized minerals. The result is a super tough, durable, cut resistant fiber that is at the peak of performance.



PolyKor*

HIGH DEXTERITY. MAXIMUM CUT RESISTANCE.

X7™ technology is the latest in engineered yarn development. This super lightweight reinforced yarn provides very high cut resistance and durability by way of proprietary fibers.

RESISTANT RANGE

HIGH DEXTERITY CUT

RESISTANT RANGI

CUT

HIGH DEXTERITY

PRODUCTS

PROTECTIVE INDUSTRIAL

NEOFOAM®

SECURE HANDLING OF LIGHT TO HEAVY PARTS OR ITEMS

Proprietary coating only available on G-Tek® brand gloves. NeoFoam® is a highly flexible coating that provides wearers with a high degree of grip, hand dexterity and comfort. NeoFoam° is versatile, hardworking, resistant to light oils and touchscreen compatible with most devices, making G-Tek® NeoFoam® coated gloves the optimal choice for numerous handling applications.



MICROSURFACE

Coating surface infused with thousands of tiny suction cup pockets. When pressed into contact with a wet or oily surface, they create a vacuum effect that disperses fluids away - significantly improving grip.

> Good grip in dry, wet, or oily conditions



Foam coating cell structure is designed to channel fluids away from the surface of the object generating grip in oily conditions. Oily grip effectiveness varies with density of cells.

- > Secure grip in dry conditions
- > Fair grip in slightly oil or wet conditions

NITRILE

TOUGH COATING FOR HEAVY-DUTY JOBS

Nitrile is a synthetic rubber compound that offers excellent puncture, tear and abrasion resistance. Nitrile is also known for its resistance to hydrocarbon-based oils or solvents. Nitrile coated gloves are the first choice for industrial jobs which require handling of oily parts. Nitrile is durable and helps to maximize protection.



MICROSURFACE

Coating surface infused with thousands of tiny suction cup pockets. When pressed into contact with a wet or oily surface, they create a vacuum effect that disperses fluids away - significantly improving grip.

> > Good grip in dry, wet, or oily conditions



Foam coating cell structure is designed to channel fluids away from the surface of the object helping improve grip in oily conditions. Oily grip effectiveness varies with density of cells. > Secure grip in dry conditions

> Fair grip in slightly oil or



FLAT / SMOOTH

Flat/Smooth coatings provide the wearer with a secure dry grip. Liquids will not absorb into the coating, keeping hands dry

> Secure, tacky grip for dry surfaces

LATEX

TOUGH JOBS - DRY OR OILY-WET

Latex is a natural rubber that is flexible, tough and durable, delivering a high degree of resistance to snagging, puncture and abrasion. Latex is waterresistant as well as resistant to protein-based oils. Latex is not recommended for jobs that involve contact with hydrocarbon-based oils or solvents.



CRINKLE

Crinkle coatings have creases or wrinkles on the surface of the coating that are designed to channel fluids away and allow better contact on dry or wet surfaces.

> Secure grip in dry or wet conditions



MICROSURFACE

Coating surface infused with thousands of tiny suction cup pockets. When pressed into contact with a wet or slippery surface, they create a vacuum effect that disperses fluids away - significantly improving grip.

> Good grip in dry and wet or oily-wet surfaces.

POLYURETHANE

IDEAL FOR PRECISION HANDLING AND LIGHT TO MEDIUM DUTY JOBS

Polyurethane (PU) is a tough, proven material that offers good tactile sensitivity by way of its thin material deposit. It conforms intimately over multiple glove liners to provide flexibility, dexterity and tactile sensitivity. PU coated gloves are amongst the most commonly used because they are versatile and provide excellent value. Newer, water-based PU coatings offer improved flexibility and less environmental lifecycle impact.



FLAT / TEXTURED

Flat/Textured PU takes on the surface properties of the glove liner which results in the thin, conformable deposit of coating $material. The flat, textured \ nature \ of this \ coating \ is \ unique \ to \ Polyure thane \ (PU) \ coated \ gloves.$

> Tactile grip in dry and in slightly oily conditions

	1100

		-	2	Fair	Good	Secure	Fair	Good	Secure	Fair	Good	Secure	None	Limited	Good	None/Slig	Fair	Good	Low	Medium	High	None	Minimal	High
COATING	GRIP	LA	ERS		DRY GRIP		SLIE	HTLY WET	GRIP	OILY	SURFACES	GRIP	то	UCHSCREE	N*	BR	EATHABILI	TY	ſ	DURABILIT	1	LIQU	ID RESISTA	ANCE
NeoFoam®	Foam	•				•	•			•					•		•			•			•	
	Microsurface	•				•		•			•				•	•					•			•
Nitrile	Microsurface		•		•		•				•			•		•					•			•
	Microsurface	•			•		•				•			•		•				•				•
	Foam	•			•					•				•			•				•		•	
	Flat/Smooth	•				•								•		•				•				•
Latex	Microsurface		•			•		•			•		•			•					•			•
	Microsurface	•				•		•			•		•			•					•			•
	Crinkle	•				•		•		•			•			•					•			•
Polyurethane	Flat / Textured	•			•			•			•				•	•			•					•

RESISTIVE TOUCHSCREENS, found on most industrial controls, rely on pressure and are unaffected by the use of gloves. CAPACITIVETOUCHSCREENS, typically used with tablets, smartphones and laptops rely on the electrical field effect from our finger. PIP' trials have found that many of our coated seamless knit gloves with thinner black coatings will work with today's latest mobile devices. However, we recommend trials prior to equipping teams with gloves. For guaranteed bare finger precision and sensitivity on any device, we provide the PU coated G-Tek' 33-G1125, featuring conductive fingertip touch technology.



HIGH CUT HAZARDS & INCISION RISK

High cut hazard applications



Glass handling

Glass and window manufacturing and installing



Metal handling

Cutting, stamping and metal manufacturing



Sharp Parts Assembly

Handling sharp parts and tools



Construction

Tile, glass work and handling large sharp parts



 TM

RESISTANT RANGE

CUT

DEXTERITY

HOH

PROTECTIVE INDUSTRIAL PRODUCTS

POLYKOR X7 CUT RESISTANT RANGE









G-TEK® POLYKOR® X7™ CUT RATING D

protection, comfort and performance. With amazing dexterity and

sensitivity provided from the ultra thin and flexible construction,

and fingers, with high water vapour transmission keeping hands

cool and dry. Fitted with a re-enforced thumb crotch via vulcanised

minimising hand fatigue or resistance of movement for all day wear.

- G-Tek® PolyKor® X7™ gloves designed with a medium/high cut

PolyKor® X7™ 18 gauge seamless knit liner provides extreme

• Fully breathable NeoFoam® micro-porous coating on palm

APPLICATIONS: Mining Resource, Automotive, Assembly Work

resistant liner. Reaching an EN388 Cut Level D rating.







16-315



16-377

G-TEK® POLYKOR® X7™PLATINUM F+

- G-Tek® PolyKor® X7™ Platinum F+ gloves designed for high cut hazard risks. Reaching an A7 ANSI/ISEA rating 25% higher than the EN388:2016 level F rating.
- PolyKor® blended 18 gauge shell with X7™ technology offers very high cut resistance, dexterity and durability with ultra fine liners.
- NeoFoam® coated palm and fingertips offers great abrasion resistance and outstanding wet/dry grip.
- Touch screen compatible to allow the user to operate a touch screen phone or device without removing gloves.

APPLICATIONS: Hi-Risk Cut Hazards, Finishing and Inspection, Glass and Metal Handling, Sharp Parts Assembly, Construction, Maintenance.















nitrile pad.



Glass Industry, Metal Folding.



Machinery Maintenance, Building/Construction,





CUT RESISTANT GLOVES - POLYKOR® X7® 16-315-(SIZE)

POLYKOR X7 CUT AND IMPACT RESISTANT RANGE









120-3700X7

G-TEK® POLYKOR® X7™ FORCESHIELD

- G-Tek® ForceShield PolyKor® X7™ gloves offer high level cut resistance, reaching a EN388 Cut Level E protection rating.
- Heavy duty impact ANSI / ISEA 138 impact protection level 2 rating. With hi-vis TPR impact protection to back of fingers, knuckle bar and dorsal of hand.
- 18 gauge PolyKor® X7™ ultrafine seamless knit liner provides high dexterity. with absolute minimal restriction of touch sensitivity and all shift long comfort.
- · Palm and fingers are coated with "Wet Grip" nitrile with a reinforced thumb crotch area.
- Touch screen functionality.

APPLICATIONS: Cutting, Drilling, Grinding, Heavy Assembly Work, Scaffold Erecting and Dogging, Demolition and Recycling, Any other serious challenge you wish to tackle





PRODUCT CODE EN388 COATING COATING COVERAGE COATING COLOUR LINER MATERIAL LINER COLOUR GAUGE SIZES QTY/PACK QTY/CTN 120-3700X7-(SIZE) 4X42EP Neofoam" MicroSurface Palm & fingertips Black PolyKor X7" Engineered Yarm Blue Gray 18 7-11 6 PAIRS 36 PAIRS	CUT RESISTA	NT G	LOVES - POL	YKOR® X7®							
120-3700X7-(SIZE) 4X42EP Neofoam™ MicroSurface Palm & fingertips Black PolyKor X7™ Engineered Yarn ■ Blue Gray 18 7-11 6 PAIRS 36 PAIRS	PRODUCT CODE	EN388	COATING	COATING COVERAGE	COATING COLOUR	LINER MATERIAL	LINER COLOUR	GAUGE	SIZES	QTY/PACK	QTY/CTN
	120-3700X7-(SIZE)	4X42EP	Neofoam™ MicroSurface	Palm & fingertips	Black	PolyKor X7™ Engineered Yarn	■ Blue Gray	18	7-11	6 PAIRS	36 PAIRS





CUT RESISTANT RANGE

CONVENIENT, FORM FITTING CUT PROTECTION

In this section of Cut Resistant & Vending styles, we re-introduce you to the P.I.P Aust GuardTek Cut resistant range now branded as G-Tek, our Global Hand Protection Name. These gloves are admired for their comfort in the ability to form to each wearers hand shape while providing good Abrasion and Cut Resistance.

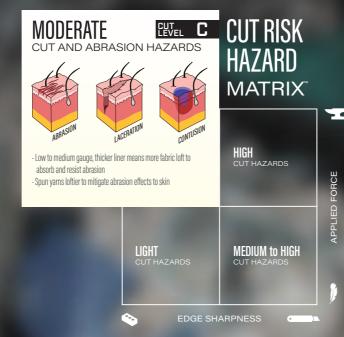
We have also ranged several new PolyKor 13 Gauge liners with soft shell filament liners, these gloves provide a selection of very economical performance and longevity options. Available in a range of Cut Protection level with some Vending Machine ready packaging as listed.





PALM & FINGERTIPS COATED OIL RESISTANCE & CUT LEVEL C PROTECTION

Introducing the new G-Tek® Polykor® 16-333, a unique all-around glove featuring a single dipped nitrite coating offering excellent dexterity and breathability. 13G Polykor® blended shell provide A3 / Cut Level C Protection. This high performance glove has a nitrite microsurface grip on the palms and fingers, ideal for handing small sharp parts in dry, wet and light oily conditions.



CUT RESISTANT + HIGH DEXTERITY RANGE















16-333

G-TEK® POLYKOR®

- G-Tek® PolyKor® gloves designed for light to medium cut hazard risks with an EN388 Cut Rating Level C.
- 13 gauge PolyKor® lightweight soft feel shell provides excellent dexterity and tactile sensitivity. Seamless construction offers increased comfort and breathability.
- Thicker flexible nitrile micro-surface coated palm and fingertips help extend the life of the glove and provide excellent abrasion resistance.
- Knit wrist helps prevent dirt and debris from entering the glove.

APPLICATIONS: Fabrication and Construction, Glass Cutting and Manufacture, Sheet Metal Handling, General Duty, Parts Assembly, Sharp Small Parts Handling.

16-541

G-TEK® POLYKOR® BAREHAND

G-Tek® PolyKor® BareHand gloves provide a medium high cut

resistant EN388 Cut Level D Protection.

- Seamless Knit PolyKor® Blended Glove with Polyurethane Coated Flat Grip on Palm and Fingers - 21 Gauge - Touchscreen Compatible.
- Premium PolyKor® blended 21G shell is lightweight and provides excellent dexterity, tactile sensitivity, and cut resistance.
- Polyurethane coatings take on the surface properties of the glove liner providing a tactile grip in dry and slightly oily conditions, ideal for applications that require dexterity for precise handling.

APPLICATIONS: Mining Resource, Automotive, Assembly Work, Machinery Maintenance, Building/Construction, Glass Industry, Metal Folding, Engineering.







CUT RESISTA	ANT G	LOVES - POL	YKOR®							
PRODUCT CODE	EN388	COATING	COATING COVERAGE	COATING COLOUR	LINER MATERIAL	LINER COLOUR	GAUGE	SIZES	QTY/PACK	QTY/CTN
16-333-(SIZE)	4X42C	Nitrile MicroSurface	Palm & fingertips	Black	PolyKor™ Engineered Yarn	■ Light Gray	13	7-11	12 PAIRS	72 PAIRS
16-541-(SIZE)	3X31D	Polyurethane	Palm & fingertips	Black	PolyKor™ Engineered Yarn	Gray	21	6-12	12 PAIRS	120 PAIRS

CUT RESISTANT + HIGH DEXTERITY RANGE









CUT-5YE

G-TEK® CUT 5

- G-Tek® Cut 5 gloves with medium cut resistant EN388 Cut Level 5 / C protection.
- Hi-vis yellow soft feel HPPE / glass fibre seamless knit liner offers precise fit, amazing dexterity and sensitivity, minimising any hand fatigue or resistance of movement for all day wear. For maximum visibility and safety.
- Fully breathable micro-porous nitrile coating with high water vapour transmission keeps hands cool and dry.
- Antimicrobial treated liner for extra protection.

APPLICATIONS: Mining Resource, Construction, Glass Industry, Automotive, Assembly Work, Metal Folding, Machinery Maintenance.



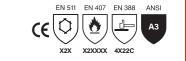
CUT RESISTA	ANT G	LOVES								
PRODUCT CODE	EN388	COATING	COATING COVERAGE	COATING COLOUR	LINER MATERIAL	LINER COLOUR	GAUGE	SIZES	QTY/PACK	QTY/CTN
CUT-5YE-(SIZE)	4X44C	Micro-porous Nitrile	Palm & fingertips	Black	Lightweight HPPE	Hi Vis Yellow	13	7-11	12 PAIRS	72 PAIRS

POLYKOR CUT RESISTANT WINTER GLOVE RANGE









41-1415AU

G-TEK® POLYKOR® WINTER GLOVE - CUT RESISTANT

- G-Tek® PolyKor® gloves designed with a light medium cut resistant liner.
 Reaching an EN388 Cut Level C rating.
- Short term contact cold protection to EN511 Level 2.
- Acrylic gloves provide economical cold weather protection.
- Nitrile foam coating provides superior grip in dry, wet and oily applications.
- Fully coated flat nitrile helps keep hands dry in wet applications. Seamless construction for a comfortable fit
- Short term Contact Heat protection (tested to 250 degrees Celsius for up to 15 seconds).
- Touch screen compatible so hands remain warm during use.

APPLICATIONS: Refrigerated areas, Utilities, Food processing, Commercial fishing, Construction. Outdoor winter activities and recreation





CUT RESISTAN	IT GL	OVES - POL	YKOR®							
PRODUCT CODE E	EN388	COATING	COATING COVERAGE	COATING COLOUR	LINER MATERIAL	LINER COLOUR	GAUGE	SIZES	QTY/PACK	QTY/CTN
41-1415AU-(SIZE) 4	4X22C	Nitrile Foam	Fully coated, double dipped	Black/Blue	PolyKor Engineered Yarn	Hi Vis Yellow	13	7-11	12 PAIRS	72 PAIRS

RESISTANT + VEND RANGE

CUT

PROTECTIVE INDUSTRIAL PRODUCTS





WET/OILY CUT RESISTANT RANGE

CUT RISK SAFETY IN WET/OILY ENVIRONMENTS

Working with liquids has long posed a challenge for secure handing and safe manipulation of tasks. Water based chemicals and oil / grease can contribute to an increased risk when handling heavy and sharp-edged objects. Cuts to hands are often caused from a combination of mass and velocity when attempting to regather the loss of control.

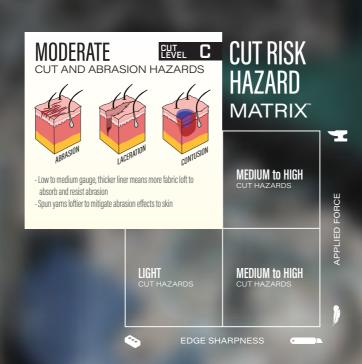
PIP has developed 2 specialised dual coated liquid resistant gloves for wet working conditions. Both gloves utilise proprietary PolyKor liner technology as the basis for Cut Protection defense. The 13-gauge providing a thicker more cushioning and robust glove, while the 18 gauge PolyKor X7 boasts the finer more sensitive feeling liner with the added benefits of Smart Screen Technology.





FULLY COATED OIL RESISTANCE & CUT LEVEL C PROTECTION

Introducing the new G-Tek® PolyKor® 16-939, a unique all-around glove featuring a double dipped nitrite coating offering superior oil and liquid resistance. The ultra-thin 18G PolyKor® blended shell with X7™ technology provides a high degree of dexterity and A3 / Cut Level C protection. This high performance glove has a nitrile microsurface grip on the palms and fingers, ideal for handling small sharp parts in dry, wet and oily conditions.



WET/OILY CUT RESISTANT RANGE

















16-939

G-TEK® POLYKOR® X7™ DUAL COAT

- G-Tek® PolyKor® X7™ Dual Coat gloves provide light medium cut resistance EN388 Cut Level C and ANSI/ISEA 105 A3 protection rating.
- P.I.P patented PolyKor® X7™ 18 gauge ultra fine seamless knit liner technology with durability and dexterity for precise fingertip grip and control
- Double dipped full nitrile coating featuring palm micro-surface for improved wet/oily grip. Hands will remain safe and dry with no contamination contact by liquids or oils.
- Touch screen functionality.

APPLICATIONS: Plumbing and Draining, Refineries, Oil and Gas, Mechanical Service and Maintenance, Heavy Parts Assembly, Water Utilities and Irrigation, Sewerage Treatment Works.





30-733

G-TEK® WETWORK 3

- G-Tek® WetWork Cut 3 gloves offer light to moderate level EN388 Cut 3 protection.
- Designed with soft feel 13 guage PolyKor® fine thread seamless knit liner for sensitivity.
- Double dipped nitrile coating creates a liquid resistant coating to over the knuckle bar from inner layer nitrile dipping process. The Micro-Cup wet grip surface coating on palm and fingers from the outer nitrile coating provides superior grip in wet and oily situations.
- Thumb crotch reinforced layer for extra cut/abrasion protection.

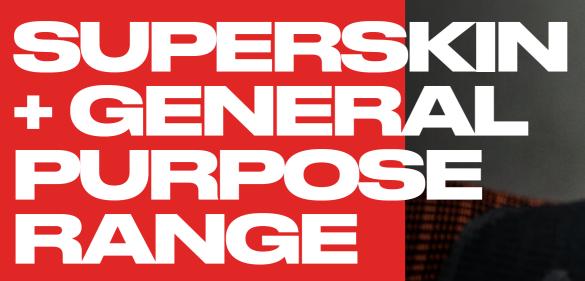
APPLICATIONS: Wet Component Assembly, Hose Coupling Connections, Lubrication Servicing, Drive Train Assembly, Agricultural Applications, Heavy Machining, Maintenance, Concrete/Building Construction, Plumbing/Irrigation.



CUT RESISTANT GLOVES - WET/OILY												
PRODUCT CODE E	EN388	COATING	COATING COVERAGE	COATING COLOUR	LINER MATERIAL	LINER COLOUR	GAUGE	SIZES	QTY/PACK	QTY/CTN		
16-939-(SIZE) 4	4X42C	Nitrile MicroSurface	Fully coated, double dipped	Black/Blue	PolyKorX7™ Engineered Yarn	■ Blue Gray	18	7-11	12 PAIRS	36 PAIRS		
30-733-(SIZE) 4	4344	Nitrile Micro-Cup	3/4 coated, double dipped	Black/Green	PolyKor™ Engineered Yarn	■ Light Blue		7-11	12 PAIRS	36 PAIRS		







SKIN CONTOURING TECHNOLOGY RANGE.

Each of us are individuals and as such, we don't have the same shaped hands or finger width / lengths as each other. Therefore, the challenge was to provide gloves that fit each wearer as exact anatomical duplicates to each individual's unique hand and finger shape / size.

The SuperSkin concept utilises the finest quality materials and advanced manufacturing techniques for both the Liners and Nitrile dip coating. The flexibility of this special liner and coating combination creates the perfect formula for multi directional stretch providing our unique 'Protective Skin' which mimics the individual wearers hand, Skin Contouring Technology.





FINALLY, GLOVES THAT FIT LIKE THEY SHOULD.

For decades workers have persevered with wearing gloves that simply don't fit properly. The multitude of these ill-fitting gloves contribute to poor tactile grip, lack of fingertip control and the sensitivity required to conduct fine detail work. Our unique design specification was for a new range of safety gloves that would fit and act as 'protective skin,' allowing the wearer to conduct any manual handling task without removing them.

SUPERSKIN RANGE







34-323

G-TEK® SUPERSKIN

- Abrasion and tear resistant to a higher level than traditional leather gloves.
- Seamless knit 15 gauge polyamide/spandex liner offers a precise fit for every hand. Movement activated technology allows the glove to mould to your individual hand shape, providing an un-restricted "second skin" fit and feel.
- Breathable micro-porous nitrile coated palm and fingers for exceptional tactile sensitivity and maximum dexterity.
 Anti-microbial infusion with high water vapour transmission keeps hands cool and hygienically dry.

APPLICATIONS: Automotive Assembly, Metal and Timber Handling, Mechanical/Maintenance, Building/Construction, Mining and Exploration, Shipping and Warehousing.





GENERAL PU	RPOS	E GLOVES -	SUPERSKIN							
PRODUCT CODE	EN388	COATING	COATING COVERAGE	COATING COLOUR	LINER MATERIAL	LINER COLOUR	GAUGE	SIZES	QTY/PACK	QTY/CTN
34-323-(SIZE)	4132	Micro-porous Nitrile	Palm & fingertips	Black	Polyamide/Spandex	■ Black/Orange	15	6-11	12 PAIRS	144 PAIRS

PROTECTIVE INDUSTRIAL PRODUCTS

SUPERSKIN NEO RANGE

G-TEK® Superskin Nen CE att an Ings





34-425NEO

G-TEK® SUPERSKIN NEO

- Abrasion and tear resistant to a higher level than traditional leather gloves.
- Seamless 15 gauge polymide/spandex liner provides an un-restricted "second skin" fit and feel. Unique skin contouring technology allows the glove to mould to your individual hand shape, for maximum wearer comfort and sensitivity.
- Breathable micro-porous NeoFoam® coated palm and fingers for exceptional tactile sensitivity and maximum dexterity. Anti-microbial infusion with high water vapour transmission keeps hands cool and hygienically dry.

APPLICATIONS: Automotive Assembly, Metal and Timber Handling, Mechanical/Maintenance, Building/Construction, Mining and Exploration, Shipping and Warehousing.





GENERAL PURPOSE GLOVES - SUPERSKIN PRODUCT CODE EN388 COATING COATING COVERAGE COATING COLOUR LINER MATERIAL LINER COLOUR GAUGE SIZES QTY/PACK QTY/CTN 34-425NEO-(SIZE) 4121 Neofoam™ MicroSurface Palm & fingertips ■ Black Polyamide/Spandex ▼ Navy/Orange 15 6-12 12 PAIRS 144 PAIRS

GENERAL PURPOSE WET WORK RANGE







34-282

G-TEK® WET WORK GP

- 18 gauge nylon/spandex blended seamless knit glove with high dexterity dual coat.
- Flat nitrile inner for liquid barrier and nitrile micro-surface outer for wet/dry grip
- Touchscreen compatable with inner glove sanitized treatment for hygienic re-use.
- Designed for precise fingertip control when working on wet or oily tasks.

APPLICATIONS: Service and Maintenance of Machinery, Lubricated Parts Assembly, Engineering Workshop Applications, Water Resources and Sanitisation, Facilities Cleaning, Agricultural Spraying and Horticulture, Marine Aquaculture, Concrete Laying.





GENERAL PU	RPOS	E GLOVES -	SUPERSKIN							
PRODUCT CODE	EN388	COATING	COATING COVERAGE	COATING COLOUR	LINER MATERIAL	LINER COLOUR	GAUGE	SIZES	QTY/PACK	QTY/CTN
34-282-(SIZE)	4131	Nitrile MicroSurface	Fully coated, double dipped	Black/Blue	Nylon/Spandex	Blue	18	7-12	12 PAIRS	72 PAIRS

SUPERSKIN RANGE





PUNCTURE RESISTANT RANGE

DEXTEROUS, HIGH LEVEL PUNCTURE RESISTANCE

Needle Puncture resistant hand protection is tested to a specific standard for hypodermic needle puncture under ASTM F2878-10. This test is conducted with much finer diameter needles tips than the probes used to test "Mechanical Puncture" in the EN388 glove standards.

With attention paid to forces applied when moving hands around potentially hazardous environments, it is possible to select a mid-level needle resistant fabric that provides improved levels of comfort and wearer dexterity, so hand manipulation is achievable.



NEEDLE STICK PROTECTION

As materials and manufacturing techniques used for glove making have developed over the past decades, the ability to provide specific performance characteristics in hand protection has continually improved.

Yet when trying to understand glove suitability for the intended task, it becomes apparent that the listed brand / manufacturer information relating to Puncture and Needle resistant gloves is not uniformly presented or easily comparable.

In researching this topic, one can find a diverse range of testing methods, certifications and performance ratings quoted in various formats / units of measure. The potential confusion created by these non-complimentary documents and data is distracting from the main purpose of providing clear and distinct information so that employee / employers can evaluate the most suitable product available for the intended purpose.

The Variations in Test Methods

Last Century a European Standard EN388 was created to help determine which glove may best suit what application. It was known as the 'Protection against Mechanical Risks' Standard for hand protection and tested for Abrasion, Cut. Tear and Puncture resistance. In this Standard the Puncture test was conducted by a 5mm steel probe (Pencil size) with a rounded point tip 1 mm wide. This probe pressed against the glove palm at a right angle travelling at 100mm/minute. This rather thick object travelling at a slow speed tended to bend, stretch and eventually burst through the material. This test is particularly relevant to static spikes, thick splinters or wire, edges of steel / aluminium.

In November 2010 a new standard test method ASTM F2778-10 was introduced for 'Protective Clothing Material resistance to Hypodermic Needle Puncture'. In Feb 2016 the American ANSI/ ISEA 105 Standard was updated to include the ASTM F2878¬10.

This is now the internationally recognised testing procedure specifically for needle resistant gloves. In this test the fine point Needle travels at 500mm/minute, measuring the amount of force to pierce (Needles have a precise bevelled edge) then pass through material in Newtons force.

Today some manufacturers are persisting with older test methodologies that are not specifically designed to test hand protection such as the Modified ASTM F1342-05. Some manufacturers are quoting glove performance in other than the Standard International unit of Force which is the 'Newton'. It is only when you convert their alternate unit measures of force that you can have a clearer appraisal of the actual protection factor. If your glove manufacturer is providing you with measure of force in 1 Pound / foot (lb/ft) this equals 1.3558179 Newton-meters. Others will provide force in Grams 1 = 0.00980665 Newtons.

The importance of Needle Gauge

Take note of the gauge (diameter) of Hypodermic Needle used in the testing. The 25gg Needle is the accepted standard gauge for industry testing. Some tests are conducted with 23gg as the wider Needle tip delivers better performance results (the smaller the gauge number the wider the needle). We find real world reference to gauge when a commonly provided 'substance addiction' or Diabetes Needle is 19 or 23 gauge in thickness.



NEEDLE PROTECTION RANGE























PROTECTIVE INDUSTRIAL PRODUCTS

E15-4PS

EUREKA PUNCTURE SOFT

- Eureka Puncture Soft gloves offer a unique combination of extremely high level cut resistance F protection. Along with a mid level Hypodermic Needle Puncture Resistance according to ASTM F2878-10 of 6N (25g needle). Puncture resistant fabric on fingers tips and thumb crotch.
- Seamless knit para-aramide, FR polyester and fibre glass liner delivers dexterity and protection against a combination of extreme working hazards.
- Breathable nitrile composite foam with FR properties, suitable for contact heat over a short time. Coating provides dry and wet grip.

APPLICATIONS: Metal/Sharps Handling, Recycling/Demolition, Waste Handling, Security and Enforcement, Cleaning and Facilities.

E15-4DUO EUREKA PUNCTURE DUO

- Eureka Puncture Duo gloves provide extremely high EN388 Level F Cut protection, 360 degree Puncture protection from mid-level hypodermic needle puncture resistance according to ASTM F2878-10 of 6N (25g needle) in palm, fingers and back of hand.
- Seamless knit para-aramide, FR polyester and fibre glass liner designed for dexterity and protection against a combination of extreme working hazards.
- Breathable nitrile composite foam with FR properties, suitable for contact heat over a short time. The coating provides good dry and wet grip on palm and fingers.

APPLICATIONS: Metal/Sharps Handling, Recycling/Demolition, Waste Handling, Security and Enforcement, Cleaning and Facilities, Grounds Keeping.





E15-4PS-(SIZE) 4X43F Nitrile composite foam Palm & fingertips Black Para-Aramid/PES/Fibre Glass Green 15 XS-2XL 1 PAIR 12 PAIR	PUNCTURE R	ESIS1	TANT GLOVE	S - PARA-ARAN	IID						
	PRODUCT CODE	EN388	COATING	COATING COVERAGE	COATING COLOUR	LINER MATERIAL	LINER COLOUR	GAUGE	SIZES	QTY/PACK	QTY/CTN
E15-4DUO-(SIZE) 4X44F Nitrile composite foam Palm & fingertips Black Para-Aramid/PES/Fibre Glass Green 15 S-2XL 1 PAIR 12 PAIR	E15-4PS-(SIZE)	4X43F	Nitrile composite foam	Palm & fingertips	Black	Para-Aramid/PES/Fibre Glass	Green	15	XS-2XL	1 PAIR	12 PAIRS
	E15-4DUO-(SIZE)	4X44F	Nitrile composite foam	Palm & fingertips	Black	Para-Aramid/PES/Fibre Glass	Green		S-2XL	1 PAIR	12 PAIRS

RESISTANT RANGE

PUNCTURE





IMPACT VIBRATION RANGE

SPECIALISED IMPACT VIBRATION PROTECTION

Specialised Protective gloves are a requirement for different kinds of workplace tasks and for various industrial activities.

Until recently, when working with power tools, vibrating machinery or pneumatically driven impact tools, general foam cell padded palm anti-vibration gloves have been considered as the best Hand Arm Vibration (HAV) protection you can provide. However, the very latest scientific research is uncovering the 'one glove fixes all' misconception.



REDUCING HARMFUL VIBRATION TRANSMISSION

Not so many years ago, we believed that the answer to solving Vibration transmission was a good quality Gel or Foam absorption material in the palm and fingers of a glove. These so called "Anti-Vibration" gloves were the best protection for those who worked with harmful HAV shock producing equipment and machinery

In recent years, study undertaken by ANSI towards the effectiveness of P.P.E against vibration reduction, helped recognise that there is no such thing as an overall effective Anti Vibration glove. In fact there are certain vibration range frequencies that actually increase the wave band intensity (harmful Vibration strength) through the type of 'shock absorbing' materials being used in the glove manufacture.

P.I.P Australia in partnership with Eureka Safety have been at the leading edge of this developing science. Investigating how various shock absorbing materials act differently throughout the vibration transmission wave band frequencies. From the developing Vibration Standard testing we can prove how each glove performs in the task of reducing harmful transmissions across various frequency wave bands

An Anti Vibration glove is not worthy of its title unless it can be tested & proven to match the required vibration reduction. At a minimum it should have certification to EN10819 testing.

From a better understanding of the Vibration frequency range and its effect on shock absorption materials. The breakthrough discovery is that at very low vibration frequencies, no materials (to date) are totally effective in reducing the vibration transmissions in total. In fact, most materials actually increase the vibration at certain stages of the frequency wave band, therefore it would be better to have no padding at all in these frequency range circumstances.

THE FINGERS ARE MOST SUSCEPTIBLE TO LOWER FREQUENCY VIBRATING TOOLS AS THESE INDIVIDUALLY LIGHTER & THINNER APPENDAGES ARE PRONE TO AMPLIFY VIBRATION MUCH MORE READILY THAN THE MORE SOLID & MEATIER PARTS OF THE HAND SUCH AS PALM & WRIST

From this new understanding of how slower vibrating tools and equipment create harmful amounts of HAV (Hand Arm Vibration), we have created a glove best suited to the lower spectrum of the Vibration Frequency range

The Eureka Flexi Vibration (Code: EVIB-FLEXI) In an effort to better protect the wearer against lower revving RPM tools, it has no padding on the fingers.

The shock absorbing palm padding material in these gloves has been specifically designed and rigorously tested to provide the most efficient performance in reducing harmful vibration transmission all the way up to a frequency range of 350Hertz (or 21 000 RPM)

These lower revolution tools and equipment are commonly used in Mechanical workshops (tyre fitting, assembly rattler guns); Lawn & garden care (Chain saws and brush cutters); Engineering works (Grinders, sanders) etc.

For Tools and equipment at the high-speed revolution spectrum above 350Hz (21,000RPM), such as pneumatic air grinders; or high-speed cutters, we have the Impact Eureka Vibration glove (Code: EIMP-VIB) with specially developed vibration reducing padding in the fingers & palm.

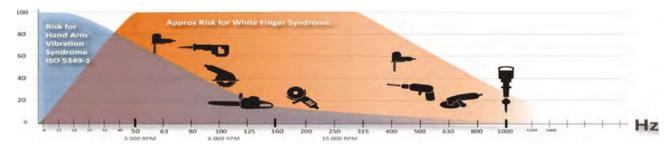
For more information on this topic visit: www.pipaus.com/article



IMPACT VIBRATION RANGE

Gloves can be very valuable in reducing Hand Arm Vibration Syndrome. Anti Vibration gloves have applications of high protection as well as "No Go" zones where they have little effect or might even be slightly harmful. This information will help to guide you to the right solution!

Hand arm vibration syndrome and vibration induced white finger syndrome.



- Blue curve illustrates sensitivity to hand Arm Vibration syndrome (ISO 5349-1)
- · Orange Curve illustrates sensitivity to Vibration induced White Finger Syndrome
- · Average vibration stated is always as adjusted with blue curve above unless specified as "unweighted".

Practical Advice

Real life situations may vary a lot compared to laboratory test conditions. Different people and working positions as well as the tool type, maintenance status of the tool and type of work show large variations in test results.

Other very important factors are:

Cold conditions can increase damage to the hand;

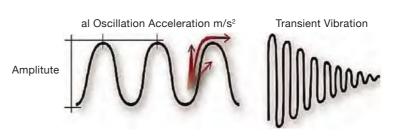
High grip force can significantly increase damage and reduce glove protection effectiveness.

Legal Limits in Europe

Daily average weighted accelerations above 2.5 m/s² must be considered and above 5.0 m/s² is prohibited according to EU Directive 2002/44/EC. Eureka advise to map the main frequencies of the vibration exposure in order to fulfill article 4a) in the above directive in a relevant way.

Vibration Sources

Vibrations are generated by machine motor (rpm), secondary disturbances are usually at higher frequencies and very high frequency transient vibrations from impacting tools.



- Frequency = oscillations per second
- RPM = Rotations per minute
- 100 Hz = 6000 rpm, 500 Hz = 30 000 rpm

Transient Vibration = High frequency, short duration

Acceleration is the speed change per second and best measurement of vibration strength.

IMPACT VIBRATION RANGE

PRODUCTS

PROTECTIVE INDUSTRIAL

IMPACT VIBRATION RANGE













EVIB-FLEXI

increased control.

EUREKA FLEXI VIBRATION

ISO / EN 10819;2013 TRM = 0.71, TRH = 0.53,

• Eureka Flexi Vibration gloves designed to reduce vibration

transmission for slow to medium rotating tools (50 - 300Hz

or 3,000 - 18,000 R.P.M). Vibration Reduction Palm conforms with

offers protection from continued exposure to vibrating equipment.

Unique Supra Block Vibration Foam in palm and base of fingers

• Covered in micro-fibre with educational messages printed on

fingers in silicon grip material. With removable fingers for



EIMP-VIB

EUREKA IMPACT VIBRATION

- Eureka Impact Vibration gloves designed to reduce vibration transmission at medium to high speed rotations above +300Hz (+18,000 R.P.M), Vibration Reduction Palm conforms with ISO / EN 10819:2013 TRM = 0.68, TRH = 0.47.
- EN388:2016 Cut Rating C.
- Unique Supra Block vibration foam in palm and fingers offers protection from continued exposure to vibrating equipment.
- Covered in micro-fibre with educational messages printed on fingers in silicon grip material.

APPLICATIONS: Rivet Guns, Impact Wrenches, Impact Hammers, High Speed Multi Tools, Vibratory Machinery Operation, Use with Angle Grinders, Sanders, Grinders and other similar Frequency Range Tools.



APPLICATIONS: Water Jet Blasting, Motorised Garden Tools, Vibratory Machinery Operation, Use with Chain Saws, Impactors, Tractor and Bob Cat Operation, Lawn Mowers, Hedgers, Blowers and Trimmers.





IMPACT VIBRATION RANGE















PROTECTIVE INDUSTRIAL PRODUCTS

E15-4VRCUT

EUREKA FLEXI VIBRATION CUT

- Eureka Flexi Vibration Cut gloves designed to reduce vibration transmission for low to mid frequency tools from 50 - 300Hz (3,000 to 18,000 R.P.M), Vibration Reduction Palm conforms with ISO / EN 10819:2013 TRM = 0.76, TRH = 0.67.
- · High cut resistance reaching EN388:2016 Cut Rating D, with Level F
- 15 gauge nitrile liner with padded palm offers high comfort and dexterity, with protection against continued exposure to vibrating equipment.

APPLICATIONS: Water Jet Blasting, Motorised Garden Tools, Vibratory Machinery Operation, General Manufacturing, Use with Chain Saws, Impactors, Tractor and Bob Cat Operation, Lawn Mowers, Hedgers, Blowers and Trimmers, Grinders.



MX2920-A

MAXITEK PROFESSIONAL IMPACT

- Washable Amara synthetic leather with stretch fabric construction provides snug fit for increased grip and finger control with less fatigue. Designed with Kevlar stitching throughout glove for increased performance and glove life.
- · Reinforced light duty vibration 4mm gel pads in palm and hi-vis TPR knuckle bar and finger padding protect against vibration, heat, cuts, bumps and abrasion.
- Adjustable Velcro closure.

APPLICATIONS: Aerospace, Automotive Assembly, Mechanical Engineering, Industrial Maintenance, Building/Construction, Technical Applications, Ideal for battery tool use.



IMPACT VIBR	IOITA	N RESISTAN	T GLOVES							
PRODUCT CODE	EN388	COATING	COATING COVERAGE	COATING COLOUR	LINER MATERIAL	LINER COLOUR	GAUGE	SIZES	QTY/PACK	QTY/CTN
E15-4VR CUT-(SIZE)	4X41D	Nitrile	Palm & fingertips	Black	Nltrile	Green	15	XS-2XL	1 PAIR	24 PAIRS
MX2920-A-(SIZE)	2121			Black	Amara synthetic leather	Black		M-2XL	6 PAIRS	36 PAIRS

IMPACT VIBRATION RANGE





FR&ARC FLASH RESISTANT RANGE

PROTECTION FROM FLAME AND ARC FLASH

An electrical arc fault is often referred to as an Arc Flash. Arc faults arise when current flows through the air between phase conductors or between phase conductors and neutral or ground. Put simply, an arc fault could be described as an unexpected, violent, electrical short circuit in the air that produces an arc and associated by-products such as plasma.

The explosive energy of an arc flash may be enough to seriously burn or otherwise injure nearby persons, ignite flammable materials (including clothing) and cause serious damage to nearby equipment. In most instances an individual exposed to an arc flash incident will have major exposure to their person at the face and hands.



PROTECTIVE INDUSTRIAL PRODUCTS

In the case of arc flash hazard, the main purpose of Personal Protective Equipment is to reduce burn injury to worker to a level of curable burn.

Personal protective equipment may, or may not, provide adequate protection in the case of arc flash exposure.

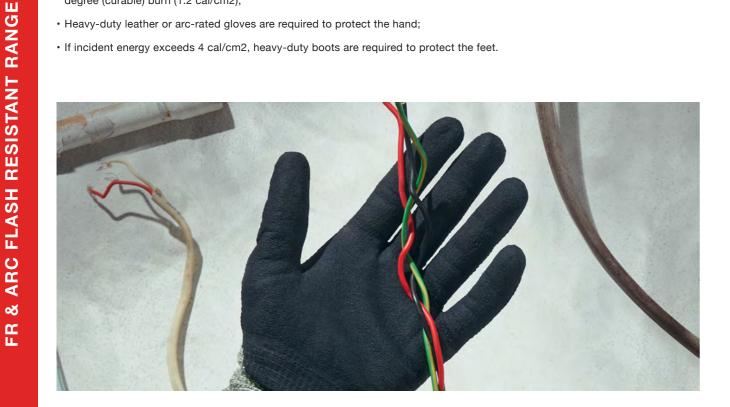
It is important that workers understand the use, care, and limitations. Workers must not treat PPE as a substitute for common sense and safe work practices.

The most common and industry accepted PPE that protects the body from arc flash is arc-rated clothing. Arc-rated clothing is tested for performance under exposure to electric arc. This is different from flame-resistant clothing, though arc-rated clothing is

Reference: Electrical Arc Flash Hazard Management Guideline March 2019: ANNEX B

Some of the main considerations of PPE inside arc flash boundaries are:

- · All employees within the arc flash boundary to wear arc flash PPE appropriate for the incident energy exposure (Note: this time is dependent on the task being performed so should be specific to the risk assessment requirements);
- · PPE should cover all other clothing that can be ignited;
- · PPE should not restrict visibility and movement;
- · Non-conductive protective head wear is required when in contact with live parts or when there is a possibility of electrical explosion. The face, neck and chin must be protected;
- · Eye protection is required;
- · Hearing protection is required;
- · Body protection is required using arc-rated clothing when the estimated incident energy at the body may cause a second degree (curable) burn (1.2 cal/cm2);
- · Heavy-duty leather or arc-rated gloves are required to protect the hand;
- If incident energy exceeds 4 cal/cm2, heavy-duty boots are required to protect the feet.



FR & ARC FLASH **RESISTANT RANGE**











E13-4HFR

EUREKA HEAT FR

- Eureka Heat FR arc flash resistance glove is Arc Flash Certified to ASTM F2675 ATPV:
- 60% black nitrile coating = 30 Cal/cm2 25% white print (back) = 23 Cal/cm2 15% green liner fabric = 5.8 Cal/cm2 With the garments ATPV level reaching NFPA 70E = Level 1 > 4 cal/cm2 (=16.8 joules/cm2).
- EN407 Heat Resistant to contact heat 100°C.
- High cut resistance EN388 E Cut Protection, ISO 13997 = 24.4N.
- · Seamless knit para-aramid, FR polyester and chloroprene composite. Comfortable, close fitting, high dexterity glove. Is inherently fire retardant for increased protection.
- · Oil and water repellent nitrile coating.

APPLICATIONS: Work on Switch Boards and Electrical Panels, Electrical Facilities Maintenance, Emergency Services/Rural Fire, Oil and Gas Works, Working with Hot and Sharp Objects



PRODUCT CODE EN388 COATING COATING COVERAGE COATING COLOUR LINER MATERIAL LINER COLO	OUR GAUGE	CIZEC	OTV/DAOV	
	UK GAUGE	SIZES	QTY/PACK	QTY/CTN
E13-4HFR-(SIZE) 3X43E Nitrile Palm, fingertips & back Black Para-Aramid/Polyamide Green	13	S-3XL	1 PAIR	60 PAIRS

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RESISTANT RANGE

ARC FLASH

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FR & ARC FLASH RESISTANT RANGE









E13-4AFHFR

EUREKA ARC FLASH HEAT FR

- Eureka Arc Flash Heat FR gloves certified to ASTM F2675 ATPV:
- \cdot 60% black nitrile coating = 30 Cal/cm2 \cdot 25% white print (back) = 40 Cal/cm2 \cdot 15% green liner fabric = 16 Cal/cm2
- ${\boldsymbol \cdot}$ With the garments ATPV level reaching NFPA 70E = Level 2 > 8 Cal/cm2 (=33.5 joule/cm2).
- EN407 Heat Resistant to contact heat 100°C.
- High cut resistance EN388 E Cut protection, ISO 13997 = 24.4N.
- Seamless knit para-aramid liner with anti static yarn, FR viscose, polyamide, fibre glass and spandex. Comfortable, close fitting, high dexterity glove. Is inherently fire retardant with extended cuff for increased protection.
- Coating in chloroprene-nitrile composite foam to improve the fibres ability in withstanding high temperature, flame and arc flash exposures.

APPLICATIONS: Work on Switch Boards and Electrical Panels, Electrical Facilities Maintenance, Working with Hot and Sharp Objects, Oil and Gas Works, Emergency Services/Rural Fire.



FLAME RESIS	TANT	GLOVES								
PRODUCT CODE	EN388	COATING	COATING COVERAGE	COATING COLOUR	LINER MATERIAL	LINER COLOUR	GAUGE	SIZES	QTY/PACK	QTY/CTN
E13-4AFHFR-(SIZE)	3X43E	Chloroprene-nitrile	Palm, fingertips & back	Black	Para-Aramid/Polyamide	Green	13	S-3XL	1 PAIR	60 PAIRS

FR & ARC FLASH RESISTANT RANGE









E13-4HAF-50

EUREKA HEAT ARC FLASH

- Eureka Heat ARC Flash gloves certified according to ASTM F2675 ATPV Palm = 41 Cal/cm2, Back = 59 Cal/cm2.

 With the garments ATPV level reaching NFPA 70E = Level 4 > 40 Cal/cm2 (=167 joule/cm2).
- EN407 Heat Resistant to contact heat 100°C.
- EN388 Level E Cut Protection, ISO 13997 = 24.4N.
- Seamless knit para-aramid liner with anti-static yarn, FR viscose, polyamide, fibre glass and spandex.
 Comfortable, close fitting glove designed to provide good flexibility and high dexterity.
 Is Inherently fire retardant with extended cuff for increased protection.
- Coating in chloroprene-nitrile composite foam with grip control for work situations that may require high level protection from arc flash, radiant heat, short duration flame exposure, contact heat or high level cut resistance.

APPLICATIONS: Switching and Racking Breakers, Work on Switch Boards and Electrical Panels, Electrical Facilities Maintenance, High Load Power Generation.



PRODUCT CODE EN388 COATING COATING COVERAGE COATING COLOUR LINER MATERIAL LINER COLOUR GAUGE SIZES QTY/PACK QTY/CTN E13-4HAF-50-(SIZE) 3X43E Chloroprene-nitrile Palm & fingertips Black Para-Aramid/Polyamide Black 13 S-2XL 1 PAIR 12 PAIRS	FLAME RESIS	TANT	GLOVES								
E13-4HAF-50-(SIZE) 3X43E Chloroprene-nitrile Palm & fingertips Black Para-Aramid/Polyamide Black 13 S-2XL 1 PAIR 12 PAIRS	PRODUCT CODE	EN388	COATING	COATING COVERAGE	COATING COLOUR	LINER MATERIAL	LINER COLOUR	GAUGE	SIZES	QTY/PACK	QTY/CTN
	E13-4HAF-50-(SIZE)	3X43E	Chloroprene-nitrile	Palm & fingertips	Black	Para-Aramid/Polyamide	Black	13	S-2XL	1 PAIR	12 PAIRS





EXTENDED USE DISPOSABLE RANGE

PATENTED FISH SCALE PATTERN GIVES SUPERIOR GRIP

Grippaz® Technology features a fish scale pattern that provides unparalleled grip performance. Grippaz® are ergonomically designed to provide traction grip on the outside and on the inside of the glove.

Grippaz® proprietary nitrile formula offers enhanced flexibility and fits more snugly than traditional gloves, providing maximum comfort, durability and dexterity.



DISPOSABLE RANGE

PROTECTIVE INDUSTRIAL PRODUCTS

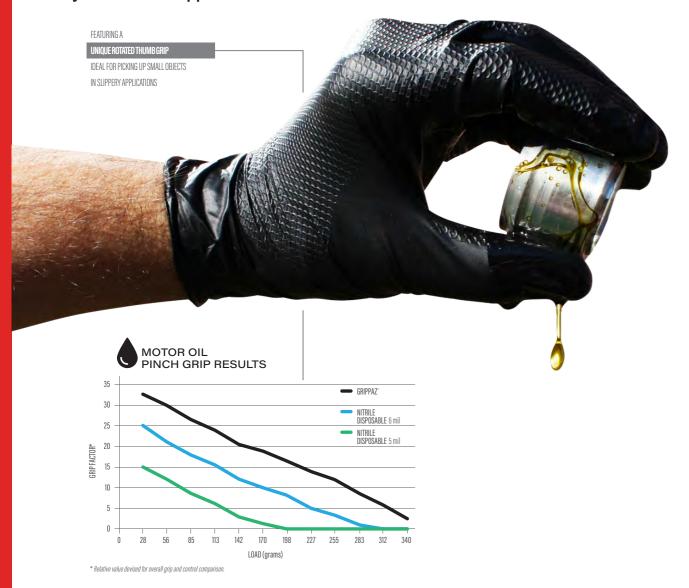
EXTENDED USE DISPOSABLE RANGE

Extended use gloves offer the dexterity and comfort of a light duty glove and the durability needed for a wide variety of industrial applications.

Grippaz® extended use disposable gloves are designed for:

- ALL-DAY USE for most applications lasts up to 5 times longer than single-use
- HIGH DEXTERITY and TACTILE SENSITIVITY
- · SUPERIOR GRIP in wet, dry and oily conditions
- Proprietary nitrile blend for ENHANCED DURABILITY AND CHEMICAL RESISTANCE
- RIP-STOP EFFECT of fish scale pattern limits the risk of exposure and contamination
- · PRECISION HANDLING with rotated thumb grip
- Increased PUNCTURE RESISTANCE
- · SECURE WEAR with beaded cuff design to keep gloves in place and debris out

The dexterity and comfort of a light-duty glove with the durability needed for a wide variety of industrial applications



EXTENDED USE DISPOSABLE RANGE







GNSBDN













GRIPPAZ® SKINS BLACK

GNSODN

GRIPPAZ® SKINS ORANGE

- Enhanced flexibility and comfort while being resistant to many chemicals commonly used in Industrial and OEM applications including oils, grease and cleaning solvents.
- · Globally patented fish scale design with internal and external grip pattern provides superior traction with wet or oily parts while significantly reducing hand fatigue.
- Thicker 6 mil, highly flexible, proprietary formulation offers Extended Use by lasting up to 5X longer than regular disposable gloves in industrial applications and out-performing unsupported nitrile gloves in dexterity and tactile sensitivity.
- · Touchscreen compatible to allow the user to operate a touch screen phone or device without removing gloves.
- ESD Safe, Surface Resistance per ASTM D257, Static dissipative range at 10^8 ohms, 12%RH, 48hrs @100Volts.

APPLICATIONS: Food Manufacturing, Industrial Applications, Automotive Manufacturing and Repair, Sanitation.





DISPO	SABL	E GLOVES						
21 CFR	AQL	THICKNESS	COLOUR	GRIP PATTERN	POWDER	SIZES	QTY/PACK	QTY/CTN
Yes	1.5	6 mil	Black	Fish Scale	Powder Free	S-2XL	50 PIECES	10 BOXES
Yes	1.5	6 mil	Orange	Fish Scale	Powder Free	S-2XL	50 PIECES	10 BOXES
	21 CFR Yes	21 CFR AQL Yes 1.5	Yes 15 6 mil	21 CFR AQL THICKNESS COLOUR Yes 15 6 mil Black	21 CFR AQL THICKNESS COLOUR GRIP PATTERN Yes 15 6 mil Black Fish Scale	21 CFR AQL THICKNESS COLOUR GRIP PATTERN POWDER Yes 15 6 mil Black Fish Scale Powder Free	21 CFR AQL THICKNESS COLOUR GRIP PATTERN POWDER SIZES Yes 15 6 mil Black Fish Scale Powder Free S-2XL	21 CFR AQL THICKNESS COLOUR GRIP PATTERN POWDER SIZES QTY/PACK Yes 15 6 mil Black Fish Scale Powder Free S-2XL 50 PIECES

EXTENDED USE

PROFESSIONAL FOOD HANDLING RANGE

PROTECTIVE INDUSTRIAL PRODUCTS

PROFESSIONAL FOOD HANDLING RANGE

Excellent performance with animal fats and proteins by providing enhanced grip and degradation resistance.

Grippaz® Professional Food Handling gloves offer significant advantages over disposables - 100% nitrile formulation resistant to proteins and fats

- PATENTED FISH SCALE GRIP
- Rip-stop design to decrease material contamination and exposure
- 8 mil nitrile formulation lasts up to 5X longer than regular disposables
- 1.5 AQL ensures lower instances of glove defects against industrial grade gloves



LASTS UP TO 5X LONGER IN FOOD PROCESSING APPLICATIONS

ROTATED THUMB GRIP FOR ENHANCED DEXTERITY

SUPERIOR GRIP WHEN WORKING WITH PROTEINS, FATS AND OILS

RIP-STOP DESIGN TO REDUCE CONTAMINATION

EXTENDED BEADED CUFF OFFERS SECURE FIT UNDER SLEEVES





PROFESSIONAL FOOD **HANDLING RANGE**

















PCGPFH-BLU

GRIPPAZ® PROFESSIONAL FOOD HANDLING GLOVE

- Grippaz™ patented design on the inside and outside of the glove provides extra traction with oily or wet food or materials.
- 8 mil heavy duty proprietary nitrile blend with patented fish scale pattern is more tear-resistant and puncture-resistant than conventional single-use disposable gloves for prolonged use and reduced waste. HACCP approved for food handling & manufacturing.
- · Superb grip and durability for heavier tasks. 30cm extended cuff. Proprietary nitrile blend offers enhanced flexibility, comfort and mobility - reducing hand fatigue.
- · Resistant to many chemicals commonly used in industrial and OEM applications including oils, grease and cleaning solvents.
- Touchscreen compatible to allow the user to operate a touch screen phone or device without removing gloves.

APPLICATIONS: Food Inspection, Assembly and Inspection, Equipment Maintenance and Repair, Painting and Printing, Automotive Applications, Food Handling and Manufacturing.





PROFESSIONAL	L FOOI	D HAN	DLING GLOVE	S					
PRODUCT CODE	21 CFR	AQL	THICKNESS	COLOUR	GRIP PATTERN	POWDER	SIZES	QTY/PACK	QTY/CTN
PCGPFH-BLU-(SIZE)	Yes	1.5	8 mil	Blue	Fish Scale	Powder Free	S-3XL	50 PIECES	10 BOXES





HEARING PROTECTION RANGE

COMFORT IS ESSENTIAL TO ENSURE MAXIMUM PROTECTION.

It is important to consider all features that make one ear plug work differently from another. PIP® makes it easy to compare. By offering advanced shapes, sizes and styles, we are sure to meet your needs.

All workers want: PROTECTION, COMFORT and EASY FIT. The key to achieving optimal protection is selecting the ear plug size, shape and style suitable for each worker.



PROTECTIVE INDUSTRIAL PRODUCTS



Power**Soft**[™] The facts. FOAM TECHNOLOGY

PowerSoft™ Foam Technology is a proprietary polyurethane foam formulation that results in ear plugs with optimally-sized cell structures that expand gently and evenly inside the ear canal. This translates to all-day comfort with excellent attenuation.

> Ear canals are like fingerprints unique to everyone.

Foam ear plugs are the most popular choice of hearing protection in the workplace because they are versatile and economical.

> Recovery time is critical.

Optimal rebound time is critical to achieve a proper acoustic seal in both ear canals. Ear plugs that rebound too fast do not fit consistently in both ears. Ultimately, the worker spends needless time attempting to achieve consistent acoustic seals for both ears.

> Many don't properly roll-down ear plugs.

The correct use of ear plugs is critical to ensure optimal hearing protection. Improper use can minimize the effectiveness of the hearing protection properties.

Getting a proper fit

Foams with small, dense cells may result in:

- > Harder plugs with shorter rebound time
- > More pressure and discomfort in ear canal

Foams with large, airy cells may result in:

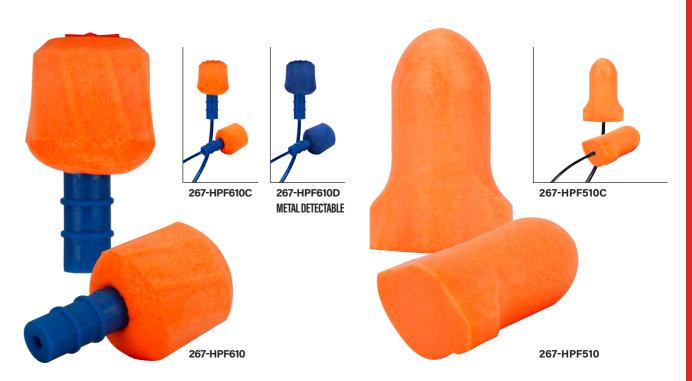
- > Uneven roll-down and longer time to fit
- > Longer rebound time

PIP® EAR PLUGS WITH POWERSOFT™ FOAM TECHNOLOGY DELIVER:

- > Optimal rebound
- > Maximum all-day comfort
- > Perfect fit



HEARING PROTECTION RANGE











267-HPF610|267-HPF610C|267-HPF610D

EZ-TWIST™ HYBRID EARPLUGS CORDED|UNCORDED|METAL DETECTABLE CORDED|UNCORDED

- Class 4 SLC on 25dB.
- · PowerSoft Foam Hybrid Plug technology. Just Insert & Twist! The fastest fitting foam ear plugs. Shape conforms immediately to most ear canals for high attenuation protection.
- · Softest most comfortable cylinder shaped ear plug.
- Traceable metal detectable (Blue) style available for use in the food industry.

APPLICATIONS: Typical applications include but are not limited to: Agriculture, aviation, automotive, chemical manufacturing, construction, forestry, heavy engineering, metal processing, mining and quarrying, welding, woodworking.



Power**Soft**

267-HPF510|267-HPF510C MEGA T-FIT™ EARPLUGS

- Class 4 SLC on 22dB.
- Innovative "t-shape" makes fitting & removal simple. PowerSoft foam technology for optimal expansion recovery time for a consistent, uniform fit. High level comfort and noise reduction protection you can
- Smooth closed cell outer layer that reduces surface contamination.
- Soft and comfortable PowerSoft foam supports long term comfort.

APPLICATIONS: Typical applications include but are not limited to: Agriculture, aviation, automotive, chemical manufacturing, construction, forestry, heavy engineering, metal processing, mining and quarrying, welding, woodworking.



PowerSoft*

PRODUCT CODE	USE	CORDING	MATERIAL	COLOUR	SHAPE	DETECTABLE	QTY/BOX	QTY/CTN
267-HPF610	Single	Uncorded	Polyurethane Foam	Orange	Barrel Push-In	No	200 PAIRS	10 BOXES
267-HPF610C	Single	Corded	Polyurethane Foam	Orange	Barrel Push-In	No	100 PAIRS	10 BOXES
267-HPF610D	Single	Corded	Polyurethane Foam	Blue	Barrel Push-In	Yes	100 PAIRS	10 BOXES
267-HPF510	Single	Uncorded	Polyurethane Foam	Orange	T-Fit	No	200 PAIRS	10 BOXES
267-HPF510C	Single	Corded	Polyurethane Foam	■ Orange	T-Fit	No	100 PAIRS	10 BOXES

HEARING PROTECTION RANGE

HEARING PROTECTION RANGE

HEARING PROTECTION RANGE













PHBEP

BANDED FOAM EAR PLUGS

- AS/NZS 1270:2002 $\rm SLC_{80}$ 21dB Class 3 Attenuation Protection for noise levels between 95 to 100dB(A).
- · New comfort enhanced design for all day use.
- · Long travel Foam Pods for safe, effective in ear seal.
- PHBEP kit includes complete unit and 1 pair of replacement pods.

PHBRP

BANDED FOAM EAR PLUGS REPLACEMENT EARPODS

- · Lightweight, comfortable and portable.
- · New comfort enhanced design for all day use.
- · Long travel Foam Pods for safe, effective in ear seal.

APPLICATIONS: Typical applications include but are not limited

- Spare plugs available as replacement parts

APPLICATIONS: Typical applications include but are not limited to: Agriculture, aviation, automotive, chemical manufacturing, construction, forestry, heavy engineering, metal processing, mining and quarrying, welding, woodworking.



to: Agriculture, aviation, automotive, chemical manufacturing, construction, forestry, heavy engineering, metal processing, mining and quarrying, welding, woodworking.





HEARING PROTECTION RANGE







EPDS500A

MEGA T-FIT™ EARPLUGS **DISPENSER**

- Dispenser holds 500 pairs of Mega T-Fit Uncorded Earplugs.
- · Wall or table mount. Easy to maintain.
- Dispenses one pair at a time.





PROTECTIVE INDUSTRIAL PRODUCTS

267-HPF510-1

MEGA T-FIT™ EARPLUGS **DISPENSER REFILL**

Simple to open and fill dispenser

APPLICATIONS: Workshop and high use area workplaces where quick dispensing is required.

APPLICATIONS: Typical applications include but are not limited to: Agriculture, aviation, automotive, chemical manufacturing, construction, forestry, heavy engineering, metal processing, mining and quarrying, welding, woodworking.





HEARING PR	ROTECTION							
PRODUCT CODE	USE	CORDING	MATERIAL	COLOUR	SHAPE	DETECTABLE	QTY/BOX	QTY/CTN
EPDS500A	Dispenser	N/A	N/A	■ Black/Blue	N/A	N/A	1 UNIT	5 UNITS
267-HPF510-1	Refill	Uncorded	Polyurethane Foam	Orange	T-Fit	No	250 PAIRS	10 BOXES

HEARING PROTECTION RANGE

NOTES

PROTECTIVE INDUSTRIAL PRODUCTS

PIP GLOVE MATRIX

	Abrasion Score EN388	Cut Score EN388	Tear Resistance EN388	Puncture Resistance EN388	TDM Cut Resistance ISO 13997	Impact Protection ISEA 138	Needle Resistance ASTM F2878 25G	CRH Matrix	Dexterity H/ M/ L	Dry Work	Wet Work	Heat / FR Resistance	Crush Protection	Vibration Reducing	Dual Palm	Dual Finger Tips	Kevlar Stitching	High Vis	Reflective	Touch Screen Function	PU Dip	Leather Palm	Knit Wrist	Open Cuff	Velcro Adjust Cuff	UPF50+ Protection	Open Back	Half or Full Coat
120-3700X7 ForceShield X7	4	х	4	2	E	P/2		н	Med	•	•	•	•					•		•	•		•		•	•	•	•
34-425NEO SuperSkin Neo	4	1	2	1					High	•	•									•	•		•			•	•	
34-282 G-Tek Wet Work GP	4	1	3	1					High	•	•									•	•		•			•		•
16-541 G-Tek PolyKor BareHand	3	х	3	1	D			н	High	•	•									•	•		•			•	•	
34-323 G-Tek SuperSkin	4	1	3	2					High	•	•										•		•				•	
CUT5YE G-Tek Cut 5	4	х	4	4	С			М	High	•	•							•			•		•				•	
16-333 G-Tek PolyKor	4	х	4	2	С			М	Med	•	•										•		•				•	
16-333-HVY G-Tek PolyKor Hi-Vis	4	x	4	2	С			М	Med	•	•							•			•		•				•	
16-315 G-Tek PolyKor X7	4	x	4	2	D			н	High	•	Þ	•			•	•				•	•		•			•	•	•
16-377 G-Tek PolyKor X7 F+	4	х	4	2	F+			Е	High	•	Þ									•	•		•			•	•	
41-1415AU G-Tek PolyKor Winter Glove	4	x	2	2	С			М	Med	•											•		•					
30-733 G-Tek WetWork 3	4	3	4	4				М	Med	•	•	Þ			•	•					•		•					
16-939 G-Tek PolyKor X7 DC	4	х	4	2	С			М	Med	•	•				•	•				•	•		•			•		•
MX2920-A MaxiTek Professional Impact	2	1	2	1					Med	•		Þ	Þ	Þ	•	•	•	•				•			•			
E15-4PS Eureka Puncture Soft	4	х	4	3	F		•	Е	Med	•	Þ	•			•		•				•		•				•	
E15-4DUO Eureka Puncture Duo	4	х	4	4	F		•	Е	Med	•	•												•					•
EVIB-FLEXI Eureka Flexi Vibration	2	2	2	1					Med	•				•	•							•			•			
EIMP-VIB Eureka Impact Vibration	3	x	3	1	С			М	Low	•				•		•						•			•			
E13-4HAF-50 Eureka HAF 50	3	х	4	3	E			н	Med	•		FR AF					•						•			•		•
E13-4HFR Eureka Heat FR	3	х	4	3	E			н	High	•	•	FR AF					•						•			•		D.
E13-4AFHFR Eureka AF HFR	3	х	4	3	E			н	Med	•	•	FR AF					•						•			•		•
E15-4VRCUT Flexi Vibration Cut	4	х	4	1	D			н	Med	•	•			•									•					Þ
GNSBON & GNSODN Grippaz Skins									High	•	•									•	•							•
PCGPFH-BLU Grippaz Pro Food Handling									High	•	•									•	•							•



= Moderate Performance or Half Coat

