



TILSATEC

**Collide-x<sup>3</sup>**

NEXT LEVEL IMPACT PROTECTION



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## NEXT LEVEL IMPACT PROTECTION WITH UNBELIEVABLE DEXTERITY, GRIP, AND COMFORT

It took over 3 years of research and development to put this groundbreaking 2-step impact reduction technology into a glove that offers maximum comfort and dexterity for even the longest shifts.

### THE RESULT?

Comparing our Collide-X® 6.5mm bumpers to competing 7mm level 2 TPR bumpers, the outcome is an astonishing 38.5% improvement in force reduction. That's way above European EN388 impact standards, and equal to US ANSI impact protection level 3.

Yet it's so comfortable that field workers want to keep it on, performing even the trickiest tasks without restrictions.

**REQUEST THE BEST:  
PUT COLLIDE-X<sup>3</sup> TO THE TEST**



## PERFORM EVEN THE TRICKIEST TASKS WITHOUT RESTRICTIONS

“These gloves are **less restrictive** when working on tricky tasks [compared to using TPR impact gloves].”

– Feedback from end user who rated Collide-X Excellent for In-use Comfort and In-use Dexterity.



Bruises and contusions are common risks when handling rebar – not to mention the risk of getting fingers trapped and caught. Just imagine a glove with the dexterity and grip to work with rebar for hours at a time without the risk of muscle fatigue. A glove that flexes where needed most, while also offering full protection against accidents and abrasions.



“Much better than **current impact gloves** on every level... no need to remove impact gloves for completing all job tasks, where current gloves make it very hard to use split pins and slotted nuts.”

– Feedback from end user who rated Collide-X Excellent for In-use Dexterity, Feeling, and Fit



## EASIER FLEXING, BENDING, AND GRIPPING – EVEN AFTER 12 HOURS

Working with masonry exposes hands to rough stone and brick, as well as the need to grip and manipulate fine tiles. Imagine a glove that protects hands and fingers from abrasions and pinching, while also offering the dexterity and grip needed to keep working effectively all day long.



Working with concrete involves a lot of carrying heavy materials, including concrete blocks and rebar, which can lead to collisions and trapped hands. Imagine a glove which offers the dexterity needed to operate lifting equipment with protection need against trapping, slipping and abrasions, minimizing the chances of collision injuries while allowing flexibility to work on even the trickiest of tasks.



**“A vast improvement** on the gloves we currently use. Dexterity and fit are important improvements and mean that **many more tasks are achievable** without having to remove gloves from hand.”

– Feedback from end user who rated Collide-X Very Good for Comfort, Dexterity, Feeling, Fit, Wear, and Durability.



## STATE-OF-THE-ART IMPACT TECH FROM A MULTI-AWARD-WINNING IMPACT PROTECTION PARTNER

Tilsatec's new Collide-X impact protection gloves work so well because they use a unique two-step damage control system developed together with KOROYD, the multi-award-winning advanced impact technology provider.



# KOROYD

## KOROYD: ENGINEERING A SAFER TOMORROW ACROSS MULTIPLE INDUSTRIES

KOROYD's been in the business of impact protection for over a decade. Since then, the company has been dedicated to engineering a safer tomorrow through the world's most advanced impact technology.



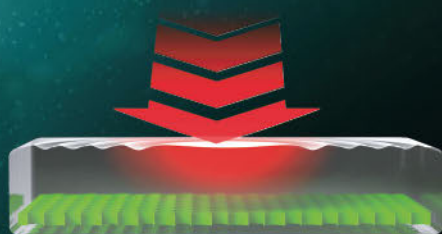
It provides impact protection for leading industrial helmet brands, motorcycle helmets and body protection, and for one of America's largest cycle helmet manufacturer. But, perhaps most impressively, KOROYD's impact protection technology is now being used by the US Air Force fighter pilots in their next gen fixed wing helmets.

Now KOROYD have developed their first multiple impact technology for industrial hand protection: KOR+.

## HOW DOES KORROYD WORK?

Unlike traditional TPR, KOR+ advanced impact protection technology uses a 2-step damage control system that absorbs and redirects energy away from localized impact zones, limiting dangerous force to reduce the risk of injury.

The unique encased tubular structure allows for multiple impact performance, ensuring it's always ready to protect when it counts.



### REINFORCED PROTECTION *ABSORBS MORE ENERGY*

Encasing the KORROYD welded tube structure inside a soft elastomer allows it to **ABSORB** the energy of an impact.



### KORROYD *REDIRECTS FORCE*

Which it then **REDIRECTS** away from the impact zone to limit and minimize the impact. This results in a two-step damage control material which is thin, durable, and lightweight.

## ERGONOMIC AND FLEXIBLE

KORROYD flexes with finger and hand movements across all key impact areas, allowing the dexterity needed to perform tasks unhindered.

## ULTRALIGHT AND MINIMAL THICKNESS

A thin but vital layer of KORROYD improves performance, allowing for thinner protection without compromise. This reduces fatigue, improves comfort, and minimizes the risk of snagging when working in confined spaces.



**Collide-x<sup>3</sup>****63-6320**PROTECTED BY  
**KOROYD**

CUT

**F****A6**

## Medium weight impact level 3 glove with sandy nitrile palm coating

Gauge	13gg
Colour	Grey/Black and Green
Cuff Style	Knitwrist
Length	220-270mm
Sizes	7-12
Packaging	6 pairs inner package. Sizes 7, 11, 12 36 pairs per carton, Sizes 8, 9, 10 72 pairs per carton

### Industries

- Construction
- Scaffolding
- Mining
- Oil & Gas
- Machinery and Equipment
- Maintenance
- Metal Stamping /Fabrication



### Performance

EN388: 2016



4 X 4 2 F P

EN407:2020



X 1 X X X X

ANSI/ISEA 105-2024



ANSI / ISEA 138

### Features & Benefits

- ANSI/ISEA 138 level 3 impact protection at level 2 bumper thickness
- First application of KOROYD impact technology in hand protection
- Unlike TPR, 2 step damage control system from KOROYD absorbs and redirects energy away from the impact zone
- Unique, first to market (subject to registered design protection) impact bumper design
- 360 degrees cut resistance resulting in EN388: 2016 level F and ANSI 105: 2016 A6 protection
- Robust, reliable mechanical protection from RhinoYarn technology made in the UK
- Oil grip you can rely on
- Breathable palm and liner reduces perspiration keeping hands cool
- Reinforced thumb crotch for added durability
- Touchscreen compatible



CE





Collide-x<sup>3</sup>

68-9320

PROTECTED BY  
KOROYD

CUT

F

A9

## Ultra-lightweight impact level 3 glove with sandy bi-polymer palm coating

Gauge	18gg
Colour	Grey/Black and Green
Cuff Style	Knitwrist
Length	220-270mm
Sizes	7-12
Packaging	6 pairs inner package. Sizes 7, 11, 12 36 pairs per carton, Sizes 8, 9, 10 72 pairs per carton

### Industries

- Construction
- Scaffolding
- Mining
- Oil & Gas
- Machinery and Equipment
- Maintenance
- Metal Stamping /Fabrication



### Performance

EN388: 2016



4 X 4 3 F P

ANSI/ISEA 105-2024



ANSI / ISEA 138



### Features & Benefits

- ANSI/ISEA 138 level 3 impact protection at level 2 bumper thickness
- First application of KOROYD impact technology in hand protection
- Unlike TPR, 2 step damage control system from KOROYD absorbs and redirects energy away from the impact zone
- Unique, first to market (subject to registered design protection) impact bumper design
- 360 degrees cut resistance resulting in EN388: 2016 level F and ANSI 105: 2016 A9 protection
- Robust, reliable mechanical protection from RhinoYarn technology made in the UK
- 18 gauge liner for ultimate fit, feel and dexterity
- Oil grip you can rely on
- Breathable palm and liner reduces perspiration keeping hands cool
- Reinforced thumb crotch for added durability
- Touchscreen compatible



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**Collide-x<sup>3</sup>****69-7310**PROTECTED BY  
**KOROYD**

CUT

**F****A7**

## Impact level 3 **mechanics** glove

Gauge	13gg liner
Colour	Black/Grey/Green
Cuff Style	Gusset, Shirred, Slip-On
Length	230-270mm
Sizes	7-13
Packaging	6 prs inner package / 36prs per carton

### Industries

- Construction
- Scaffolding
- Mining
- Oil & Gas
- Machinery and Equipment
- Maintenance
- Metal Stamping /Fabrication



### Performance

EN388: 2016



4 X 4 2 F P

EN407:2020



X 1 X X X X

ANSI/ISEA 105-2024



ANSI / ISEA 138

### Features & Benefits

- ANSI/ISEA 138 level 3 impact protection at level 2 bumper thickness
- First application of KOROYD impact technology in hand protection
- Unlike TPR, 2 step damage control system from KOROYD absorbs and redirects energy away from the impact zone
- Unique, first to market (subject to registered design protection) impact bumper design
- 360 degrees cut resistance resulting in EN388: 2016 level F and ANSI 105: 2016 A7 protection
- Robust, reliable mechanical protection from RhinoYarn technology made in the UK
- High grade dual layer synthetic leather suede palm
- Gusset slip on cuff for easy donning and doffing
- Shirred wrist for improved comfort and fit
- Reinforced leather thumb crotch for added durability
- Hi-viz forchettes for increased visibility
- Loop feature to attach to glove clip. Color coded for glove size identification



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**Collide-x<sup>3</sup>****69-7330**PROTECTED BY  
**KOROYD**

CUT

**F****A7**

## Impact level 3 **leather drivers** glove

Gauge	13gg liner
Colour	Grey/Green
Cuff Style	Gusset, Shirred, Slip-On
Length	230-270mm
Sizes	7-13
Packaging	6 prs inner package / 36prs per carton

### Industries

- Construction
- Scaffolding
- Mining
- Oil & Gas
- Machinery and Equipment
- Maintenance
- Metal Stamping /Fabrication



### Performance

EN388: 2016



4 X 4 3 F P

EN407:2020



X 1 X X X X

ANSI/ISEA 105-2024



### Features & Benefits

- ANSI/ISEA 138 level 3 impact protection at level 2 bumper thickness
- First application of KOROYD impact technology in hand protection
- Unlike TPR, 2 step damage control system from KOROYD absorbs and redirects energy away from the impact zone
- Unique, first to market (subject to registered design protection) impact bumper design
- 360 degrees cut resistance resulting in EN388: 2016 level F and ANSI 105: 2016 A7 protection
- Robust, reliable mechanical protection from RhinoYarn technology made in the UK
- Highly durable hydrophobic premium cow grain leather
- Wing thumb design for flexibility and comfort
- No stitching to palm reduces catch areas
- Gusset slip on cuff for easy donning and doffing
- Gunn cut creates stitching in natural finger creases for improved comfort
- Loop feature to attach to glove clip. Color coded for glove size identification

**CE**



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