

De-Tach™ tear-away safety gloves


333DT-MF
333DT-PU
GP2000-PU
GP2000-MF

Background:

Tilsatec was tasked to develop gloves to better protect personnel that use high torque rotational tools and operate other rotating machines.

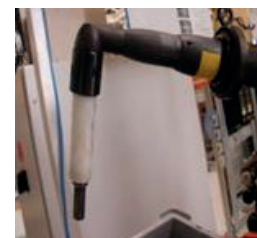
De|Tach™ gloves provide additional safety when used in conjunction with proper techniques, handling, and tool guarding. The gloves also provide protection when proper technique compliance is lacking such as, **fastener spin loading, spindle guiding, improper hand placement, etc.**

Designed Purpose:

To reduce opportunity for traumatic finger injuries, broken bones, torn ligaments, and amputations due to machinery pull in or wrap in. The De|Tach™ gloves have proven to be a key component in Rotational Tool and Rotating Machinery safety programs.

Steps to Rotational Tool/Machine Safety Programs:

- 1.) Conduct initial assessment of hazards
- 2.) Train personnel on proper techniques & hand placement
- 3.) Install proper tool/machine guarding
- 4.) Utilize De|Tach™ gloves for additional protection


Rotational Tool with Guard

DeTach™ Tear Away Safety Glove

The general purpose hand protection Range is designed to deliver maximum comfort and dexterity, ergonomic fit and added design features that ensure your hands stay comfortable and protected.

De-Tach™ is an innovative concept in hand protection constructed with built in break points on the fingers to prevent hands being pulled in when working with moving machinery or rotating hand tools. If a glove were to be trapped within the moving part, the finger ends of the glove will detach and break away minimising the risk of injury.

The microfoam palm coating provides good grip, durability and protection, while the open back allows hands to breathe making the GP2000MF DeTach™ an all round versatile glove.



Product Specifications

Sizes	5(XXS) – 12(3XL)
Color	Red liner / Black coating
Cuff/Wrist	Integrated knit wrist
Gauge	13 gg
Packaging	12 pairs per poly bag, 144 pairs per case

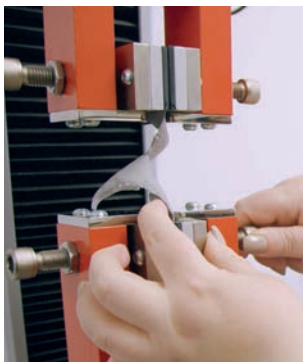
Applications / Industries

- Assembly
- Hand Tool Operation
- Automotive Industry
- White Goods
- Paper Mill
- Workshop Environment



Performance

Tensometer – This testing method uses a Tensometer to determine the tear force needed at each individual break point. The corresponding laboratory results are provided below.



Detach tear zone results:

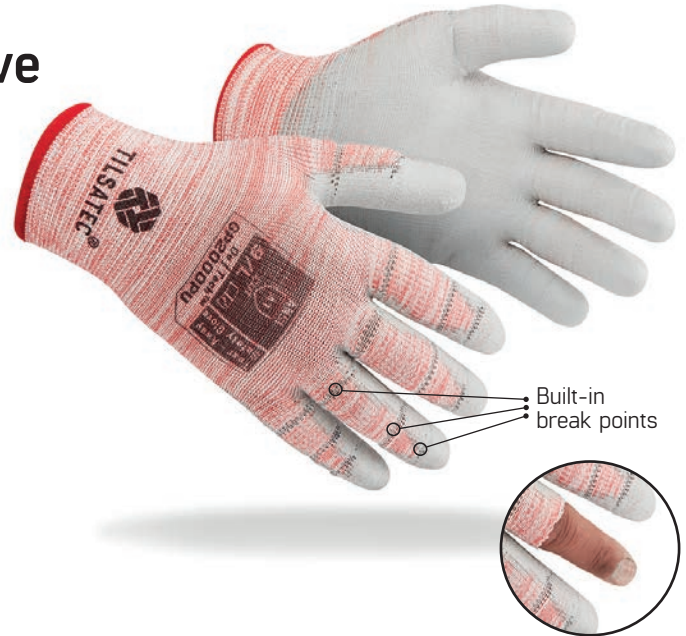
Finger	Break Point 1 Base	Breakpoint 2 Middle	Breakpoint 3 Fingertip
Thumb	139.2N (31.3 lbf)	–	159.7N (35.9 lbf)
Index	146.5N (32.9 lbf)	179.9N (40.4 lbf)	173.5N (39.0 lbf)
Middle	112.5N (25.3 lbf)	158.0N (35.5 lbf)	164.5N (36.9 lbf)
Ring	140.1N (31.5 lbf)	175.0N (39.3 lbf)	162.2N (36.5 lbf)
Pinky	140.4N (31.6 lbf)	173.5N (39.0 lbf)	155.5N (34.9 lbf)

DeTach™ Tear Away Safety Glove

The general purpose hand protection range is designed to deliver maximum comfort and dexterity, ergonomic fit and added design features that ensure your hands stay comfortable and protected.

De-Tach™ is an innovative concept in hand protection constructed with built in break points on the fingers to prevent hands being pulled in when working with moving machinery or rotating hand tools. If a glove were to be trapped within the moving part, the finger ends of the glove will detach and break away minimising the risk of injury.

The polyurethane palm coating provides good grip, durability and protection, while the open back allows hands to breathe making the GP2000PU DeTach™ an all round versatile glove.



Product Specifications

Sizes	5(XXS) – 12(3XL)
Color	Red liner / Grey coating
Cuff/Wrist	Integrated knit wrist
Gauge	13 gg
Packaging	12 pairs per poly bag, 144 pairs per case

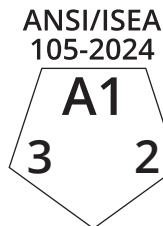
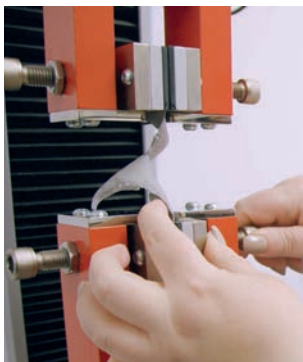
Applications / Industries

- Assembly
- Hand Tool Operation
- Automotive Industry
- White Goods
- Paper Mill
- Workshop Environment



Performance

Tensometer – This testing method uses a Tensometer to determine the tear force needed at each individual break point. The corresponding laboratory results are provided below.



Detach tear zone results:

Finger	Break Point 1 Base	Breakpoint 2 Middle	Breakpoint 3 Fingertip
Thumb	167.0 (37.52 lbf)	–	126.0 (28.35 lbf)
Index	133.2 (29.96 lbf)	139.8 (31.41 lbf)	160.6 (36.12 lbf)
Middle	115.6 (26.00 lbf)	147.4 (33.14 lbf)	145.3 (32.67 lbf)
Ring	131.4 (29.54 lbf)	136.1 (30.59 lbf)	142.3 (31.97 lbf)
Pinky	129.4 (29.09 lbf)	139.5 (31.37 lbf)	146.0 (32.81 lbf)

333DT-MF

CR+DeTach™ Tear Away Safety Glove

333DT MF CR+ DeTach™ is an innovative concept in hand protection constructed with both extreme cut resistance and built in tear away zones on the fingers. These zones are designed to help prevent hands being pulled in when working with moving machinery and/or rotating hand tools. If the glove finger were to be trapped within the moving part, the fingers of the glove will detach and tear away minimizing the risk of injury.

Delivering ANSI/ISEA-105: 2024 level 4 cut protection, this glove provides ample protection from the hazards of sheet metal and other sharp hazards. The microfoam nitrile palm coating provides good grip, durability and protection, while the open back allows hands to breathe making the 333DT MF CR+ DeTach™ an all round versatile glove.



5 Built in Tear-Away Zones

Product Specifications

Sizes	5(XXS) – 12(3XL)
Color	Green liner / Black coating
Cuff/Wrist	Integrated knit wrist
Gauge	13 gg
Packaging	12 pairs per poly bag, 144 pairs per case

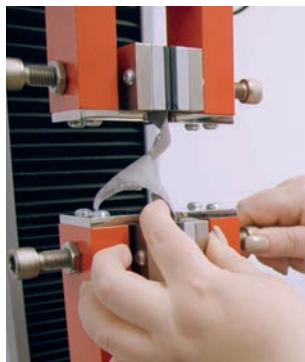
Applications / Industries

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Performance

Tensometer - This testing method uses a Tensometer to determine the tear force needed at each individual break point. The corresponding laboratory results are provided below.



Detach tear zone results:

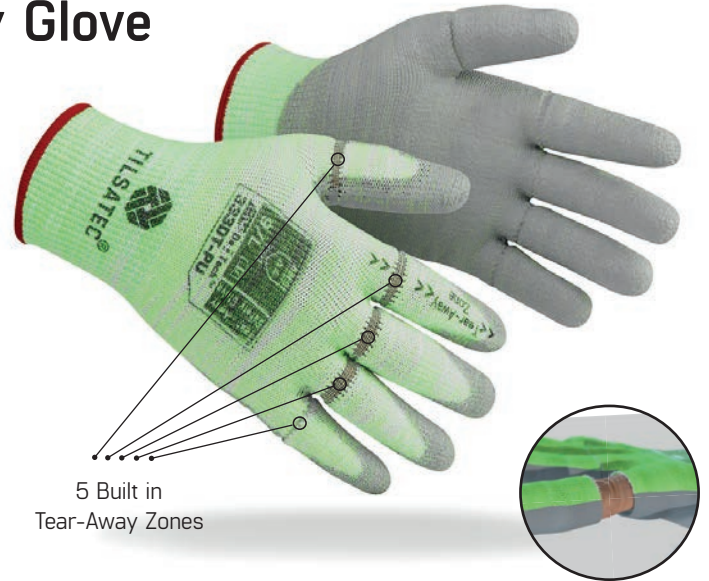
Finger	Break Point 1 Base
Thumb	108.7 N (24.43 lbf)
Index	133.1 N (29.91 lbf)
Middle	127.6 N (28.70 lbf)
Ring	124.8 N (28.05 lbf)
Pinky	102.1 N (22.95 lbf)

333DT-PU

CR+DeTach™ Tear Away Safety Glove

333DT PU CR+ DeTach™ is an innovative concept in hand protection constructed with both extreme cut resistance and built in tear away zones on the fingers. These zones are designed to help prevent hands being pulled in when working with moving machinery and/or rotating hand tools. If the glove finger were to be trapped within the moving part, the fingers of the glove will detach and tear away minimizing the risk of injury.

Delivering ANSI/ISEA-105: 2024 level 4 cut protection, this glove provides ample protection from the hazards of sheet metal and other sharp hazards. The polyurethane palm coating provides good grip, durability and protection, while the open back allows hands to breathe making the 333DT PU CR+ DeTach™ an all round versatile glove.

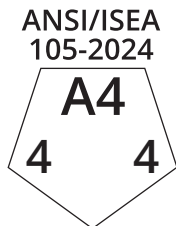
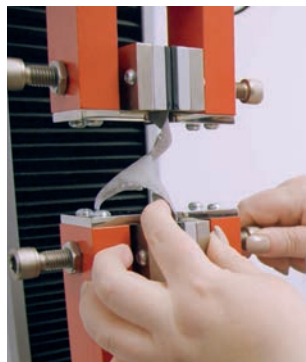


Product Specifications

Sizes	5(XXS) – 12(3XL)
Color	Green liner / Grey coating
Cuff/Wrist	Integrated knit wrist
Gauge	13 gg
Packaging	12 pairs per poly bag, 144 pairs per case

Performance

Tensometer - This testing method uses a Tensometer to determine the tear force needed at each individual break point. The corresponding laboratory results are provided below.



Detach tear zone results:

Finger	Break Point 1 Base
Thumb	124.8 N (28.1 lbf)
Index	104.7 N (23.5 lbf)
Middle	80.2 N (18.0 lbf)
Ring	89.0 N (20.0 lbf)
Pinky	96.3N (21.6 lbf)

Applications / Industries

- Assembly
- Hand Tool Operation
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Instructions for use

The right way to take off the De-Tach™ gloves:

When taking the gloves off, do not pull the glove at the fingers. Pull the glove up from the cuff, over the hand turning the glove inside out until it is fully off the hand. Turn the gloves backinside the right way for the next use.

Safety Precautions:

- Whilst wearing the De-Tach™ gloves can significantly reduce the risk of hand injuries, Tilsatec can not guarantee this.
- Operation of hand tools and machinery should be undertaken following the correct safety procedures and protocol at all times.
- A risk assessment of all tasks requiring hand protection should be carried out prior to issuing any PPE.



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