

Rhino Yarn Technology

The unique Rhino steel core yarn forms the base of most Tilsatec cut resistant products. Developed using proprietary yarn technology in house, Rhino yarn delivers the highest levels of cut resistance, which is further enhanced with the addition of high performance coatings or leather reinforcement to produce products that can protect in even the most demanding working environments.



As Tilsatec manufactures the Rhino yarn in house we are able to react quickly to market changes and customer requirements developing bespoke high performance products to short lead times. It also allows us to ensure the highest levels of quality control and testing at all stages of the manufacturing process and pass on all important cost savings to end users.

Glove Styles, Construction And Coatings

Cuff Types

Knitwrist



Gauntlet Cuff



Shirred Elastic Cuff



Expandable Neoprene



Velcro Fastening



Thumb Styles

Keystone: An inset thumb on full leather gloves. Keystone thumbs provide enhanced wearer comfort.

Straight: A thumb that usually falls straight with the index finger. This style is commonly seen in leather palm gloves.

Wing: A glove construction that positions the thumb diagonally across the palm. Wing thumbs are used on certain styles to improve wearer comfort.

Reversible: A reversible style enables the glove to be worn on either hand (ambidextrous).

Glove Construction

Seamless Knitted: The majority of gloves in the Tilsatec Rhino and General Purpose Hand Protection ranges are a seamless knitted liner constructed from our Rhino cut resistant yarn or a natural yarn fiber. Seamless knitting provides a better fit and eliminates seams which can be uncomfortable for the wearer.

Dipped: All products in the coated range are seamless knitted liners which are dipped on a hand mold into a polymer solution of either nitrile, polyurethane or latex. The polymer used will affect the level of abrasion, cut and puncture resistance the glove offers.

Cut and Sewn: All of the Tilsatec leather range and many of the Knuckleguard range are made from leather and constructed in this way. Generally these are made from either a Keystone or Wing thumb cut pattern.

Bonded: The Cut-Chem™ range is constructed from a seamless knitted cut resistant gauntlet style glove which has a neoprene layer bonded either to the outside or inside depending on the style.

Coating Types / Finishes



Nitrile (Flat or Foam)

Tough and durable it offers high abrasion resistance and oil grip.

Applications: auto industry, metal fabrication, engineering, oily applications.



Polyurethane (PU)

Provides good dry grip and dexterity, ideal for light weight gloves.

Applications: assembly, small parts, material handling.



Natural Rubber Latex

Delivers high puncture resistance and good for liquid protection and grip.

Applications: waste handling, outdoors work, construction and glass manufacturing.



Polyvinyl Chloride (PVC)

PVC dot patterns to the palm provide enhanced grip.

Applications: warehousing, paper industry, distribution, general handling.

Sleeve Styles



Knitted Sleeves

Manufactured using Rhino proprietary yarn technology in a seamless fitted design with or without a thumb slot.



Woven Sleeves

Lightweight and breathable and provides contact heat protection. Styles can be available with optional fastenings and thumb slot.



Rhinoguard™ Sleeves

Constructed using our unique Rhinoguard™ fabric the TTP469 sleeve is designed to provide flexibility and ease of movement and can be wiped clean to extend it's usable life.