



Collective Protection System:

**guard trac™**  
**guard trac™ plus**

A simple and fast way to secure your rooftop

## Industry Trends

Increasing numbers of roof spaces now require safe access where in the past it wasn't always needed.  
E.g.


- Solar panels installation and maintenance
- Mechanical and other equipment placed on the roof.

Huge growth in the market for guard rail products



# Collective Safety Vs PPE


## **Collective protection measures** protects **everyone** at risk.

 The equipment that does not require the person working at height to act for it to be effective. Examples are permanent or temporary guardrails, scissor lifts and tower scaffolds.




## **Personal protection measures** protect an **individual**.

 The equipment requires the individual to act for it to be effective. An example is putting on a safety harness correctly and connecting it, with an energy-absorbing lanyard, to a suitable anchor point.

## **When planning any Work at Height, always consider measures that protect everyone at risk (collective protection) before measures that only protect the individual (personal protection).**

 Employers have a legal responsibility to protect their employees from harm. Work at Height Regulations require that a risk assessment should always consider how work at height can be avoided. When this is not possible, collective measures, including guardrails, working platforms or nets, should always take priority over Personal Fall Protection Equipment (PFPE)

# Tractel® Knowledge and Heritage

-  World leading developers of reliable, innovative and cost-effective working-at-height solutions and services.
-  A market leader of guardrail solutions for over 40 years (Bluewater™)
-  Leading provider of working-at-height personal protective equipment – fall arrest devices (stopfor®, blocfor®, derope®), anchors, harnesses, temporary and permanent lifelines.






Collective protection by Tractel®

- Tool free and quick installation – no cutting required on site
- Small 'footprint' - ideal for installation on rooftops with limited space



## Key Features

-  A simple and fast way to secure your roof without jeopardising your waterproofing.
-  The unique Tractel® design offers the only alternative to common guardrail solutions available on the market.
-  Saves time and trouble. Thanks to the patented design of our bracket and the integrated design, the entire system can be installed without a single tool

### Safety on jobsite

- Short counter-weight support
- Trip hazard reduced
- Limited number of components
- Lightweight components
- No requirement for cutting

### Installation

- Tool free
- Quick (up to 50% faster than comparable solutions)
- Easy on-site adjustment

# Key Features

## Flexibility

- Easy handling
- Any angle between 30° - 330°
- Allow misalignment

## Complete range

- Standard barrier of 3m
- Adjustable barrier
- Adjustable gate
- No additional components required

## Non-penetrating guardrail

- No drilling required
- Ensures roof waterproofing is not damaged
- No fixing required
- Anti-slip pad
- Concrete counterweights
- Free-standing guardrail

## Colour option













- Counter weight support (red as standard for visibility. Can quote other colours on request)
- Barrier (aluminium as standard. Can quote for colours on request)





## Product characteristics

### guard trac™

-  Complies to EN13374-A:2019
-  Suitable for roof pitch of 10°
-  Guardrail height: 1.1m
-  Standard 3m barrier
-  Adjustable barrier
  -  1.5m – 2.25m
  -  2.27m – 3m
-  Adjustable gate
  -  0.85m – 1.10m
-  2x25kg counterweight at each intermediate
-  4x25kg at each free end (if any)
-  Total system weight: 23kg/m








### guard trac™ plus

-  Complies to EN13374-A:2019
-  Complies to EN ISO 14122-3:2016
-  Guardrail height: 1.1m
-  Standard 2m barrier  
Standard 3m barrier
-  Adjustable barrier
  -  2m – 2.4m
-  Adjustable gate
  -  0.85m – 1.10m
-  2x25kg counterweight at each post
-  4x25kg at each free end (if any)
-  Total system weight: 38kg/m



## Tractel® solution










### guard trac™

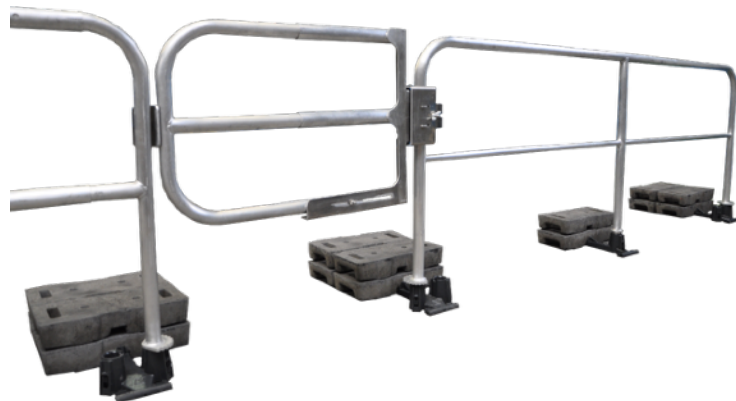
-  Latest certification.
-  Lower Total Cost of Ownership (TCO) for the final customer.
  -  Little increase of the material cost BUT strong decrease of installation time and cost (at least 50%).
-  **Installation time: 1m/min**
-  Very few components
-  Easy and re-usable guardrail.
-  No requirement for cutting on site, during installation



## Tractel® solution

### guard trac™ plus

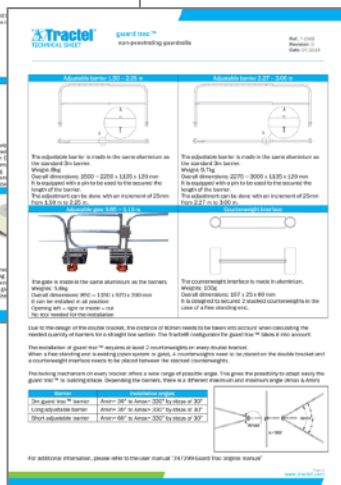
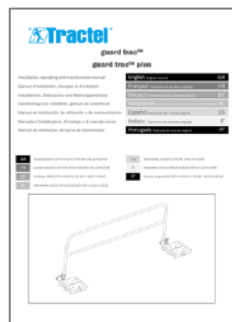
-  Double and latest certifications.
-  Lower Total Cost of Ownership (TCO) for the final customer.
  -  Increase of the material cost BUT decrease of installation time and cost (at least 30%).
-  The latest applicable standards for roof protection and machine protection.
-  Increased strength of the system thanks to the 50% additional counterweight and linking brackets.
-  Better resistance in case of strong environmental conditions (strong wind), often the norm 13374-A is seen as not enough constraining with regards to wind definition (only 115km/h) especially with the current climate change.
-  Smaller deformation of the system when loaded.
-  Easy and re-usable guardrail.
-  No requirement for cutting on site during installation.



## Marketing Sales Tools Available

## Available tools:

- guard trac™ leaflet
- Technical Sheet
- User manual





**Thank you**