



guard trac™ plus is a non-penetrating guardrail system for edge and machine protection. It is certified to latest applicable standard:  
EN 13374-A:2019 and EN ISO 14122-3:2016

It is certified for installation on flat roof with the following roof sealant:

- EPDM
- Bitumen
- PVC

In wet and dry condition

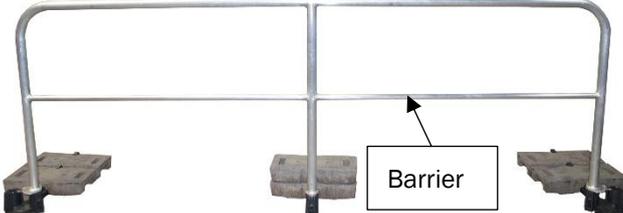
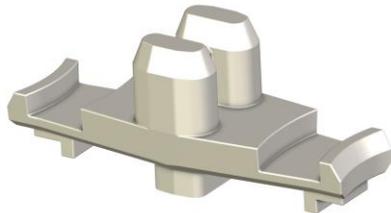
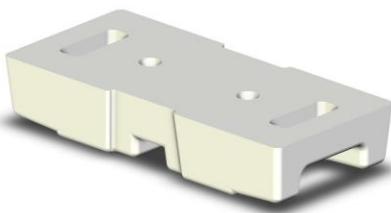
No tool is required for the installation of guard trac™ plus as the only 22mm spanner is supplied with every order. The design and lightweight of each component guarantee an easy and fast installation.

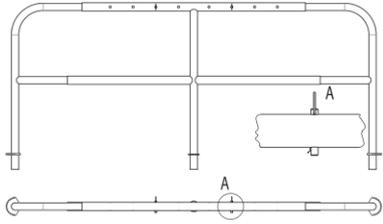
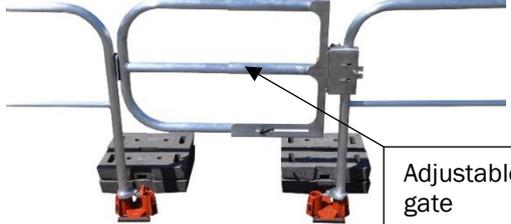
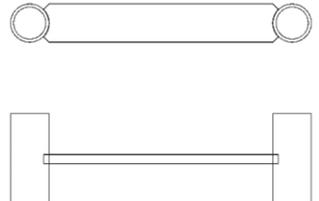
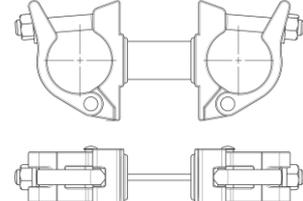
guard trac™ plus is composed of the following

- guard trac™ plus standard 3m barrier
- guard trac™ plus standard 2m barrier
- Fully equipped double bracket
- Fully equipped single bracket
- Latch
- Counterweights
- guard trac™ plus adjustable barrier 2.0 – 2.4 m
- Adjustable gate 0.85 – 1.10 m
- Counterweight interface
- Inter-barrier link

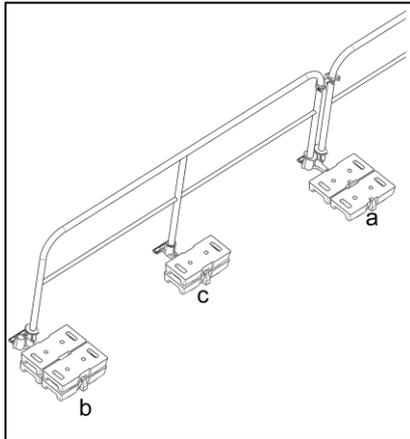
The guard trac™ plus system can be installed on different surface, flat or inclined, the maximum inclination is 10° inward or outward.

It is forbidden, to install the guard trac™ plus system on the edge of a flat roof without a parapet with a minimum height of 150mm.

guard trac™ plus standard 3m barrier	guard trac™ plus standard 2m barrier
 <p>Barrier code: 272007 The guard trac™ plus standard 3m barrier is made in aluminium material with a middle post at 1.5m. Weight: 8.1kg Overall dimensions: 3000 x 1101 x 120 mm The locking pads at the bottom of each vertical post combine together with the latch allow the alignment and locking between 2 barriers</p>	 <p>Barrier code: 272057 The guard trac™ plus standard 2m barrier is made in aluminium material with middle post at 1m. Weight: 6.6kg Overall dimensions: 2000 x 1101 x 120 mm The locking pads at the bottom of each vertical post combine together with the latch allow the alignment and locking between 2 barriers</p>
Fully equipped double bracket	Fully equipped single bracket
 <p>Code: 217447 The fully equipped double bracket includes: 1 double brackets in cast iron 1 anti-slip in EPDM 2 plastic clamping cones with their spring Weight: 7 kg Overall dimensions: 752 x 222 x 111 mm Distance between barrier: 75mm</p>	 <p>Code: 217437 The fully equipped single bracket includes: 1 single brackets in cast iron 1 anti-slip in EPDM 1 plastic clamping cone with its spring Weight: 4.2 kg Overall dimensions: 525 x 161 x 111 mm</p>
Latch	Counterweight
 <p>Code: 227015 The latch is made in stainless steel Weight: 110g Overall dimensions: 77 x 25 x 32mm It is design to lock 2 barriers into positions one to the other</p>	 <p>Code: 186938 The counterweight is made in reinforced concrete Weight: 25kg Overall dimensions: 487 x 222 x 90 mm The central groove is designed for its installation on the double bracket and the single bracket.</p>

guard trac™ plus adjustable barrier 2.0 – 2.4 m	Adjustable gate 0.85 – 1.10 m
 <p>Code: 272037 The guard trac™ plus adjustable barrier is made in the same aluminium material as the guard trac™ plus standard barriers. Weight: 11.2kg Overall dimensions: 2000 to 2400 x 1105 x 120 mm It is equipped with 2 pins to be used to fix the length of the barrier on each side of the middle post. The adjustment can be done with an increment of 25mm from 2.0 m to 2.4 m.</p>	 <p>Code: 272067 The gate is made in the same aluminium material as the barriers Weights: 5.8kg Overall dimensions: 850 to 1100 x 670 x 200 mm It can be installed in all position: Opening left – right or inside – out No tool needed for the installation</p>
Counterweight interface	Inter-barrier link
 <p>Code: 272077 The counterweight interface is made in aluminium material. Weights: 100g Overall dimensions: 197 x 25 x 60 mm It is designed to secured 2 stacked counterweights in the case of a free standing end or a single bracket.</p>	 <p>Code: 227045 The inter-barrier link is made in steel with a hot galvanization treatment. Weight: 1.5kg Overall dimensions: 227 x 96 x 50 mm Design to reinforce the connection between barriers on the guard trac™ plus system.</p>

Due to the design of the double bracket, the distance of 75mm between vertical posts needs to be taken into account when calculating the needed quantity of barriers for a straight line section. The Tractel® configurator for guard trac™ plus takes it into account.



The installation of guard trac™ plus requires at least 2 counterweights on every single and double bracket (a and c).

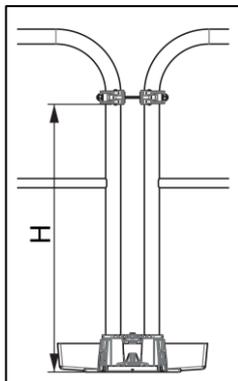
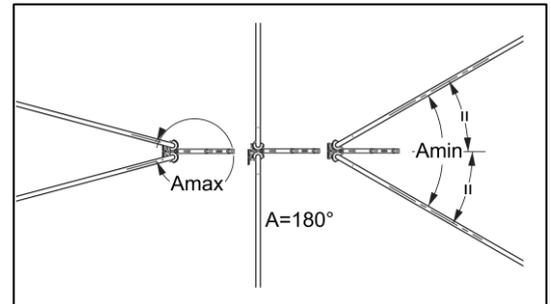
For the single bracket, the counterweights are stacked on top of each other and a counterweight interface needs to be placed between them (c).

When a free standing end is existing (open system or gate), 4 counterweights need to be placed on the double bracket and a counterweight interface needs to be placed between the stacked counterweights (b).

To perform a safe installation, at least 2 persons are needed.

The locking mechanism on every bracket offers a wide range of possible angle. This gives the possibility to adapt easily the guard trac™ plus to building shape. Depending the barriers, there is a different maximum and minimum angle (Amax & Amin).

guard trac™ plus barriers	Installation angles
Standard 3m	Amin= 30° to Amax= 330° by steps of 30°
Standard 2m	Amin= 60° to Amax= 330° by steps of 30°
Adjustable	Amin= 60° to Amax= 330° by steps of 30°



At the end of the installation, an inter-barrier link must be installed between every barrier. They have to be placed at H=870mm from the installation surface. Every inter-barrier link should be firmly tightened by hand with 22mm spanner supplied with the guard trac™ plus system.

For additional information, please refer to the user manual “247299 guard trac™ and guard trac™ plus original manual”