



Tactical Safety for Access & Falls

Product datasheet

— A PART OF MT&T GROUP —

ROOF & AREA PROTECTION

Rooftop Barricade System

A rooftop barricade stops falls before they happen. TsaF plans collective edge protection around exposed roof areas and fall-risk zones, creating a secure physical barrier without restricting normal rooftop access and movement.



Collective

Protection with no harness or anchor connection

Fixed · Free-standing

Configurations, confirmed per roof

2

Barrier families: aluminium and modular key-clamp

EN 13374:2018

ISO 14122-3:2016

Overview

Edge protection for the whole roof

Unprotected roof edges are one of the most critical fall hazards when working at height. On industrial sheds, warehouses and factories, roof edges, open sides, roof openings and the landings at ladder exits often sit right beside the routes maintenance teams use every week. A rooftop barricade gives collective edge protection around these exposed roof areas and fall-risk zones. It protects everyone on the roof, including occasional visitors and contractors, without a harness, an anchor connection or any action from the person it protects, which is why edge protection is usually the first measure to consider.

How a TsaF rooftop barricade works

A TsaF rooftop barricade is a continuous physical barrier placed along the edges and around the hazards identified in the site survey. It creates a secure physical barrier without restricting normal rooftop access and movement, so teams can still reach fans, gutters, solar panels and plant while working inside a clearly defined, protected area.

Every roof is different, so the barricade is planned as a system rather than picked from a kit. TsaF looks at the roof profile and its condition, the edge and parapet details, where people enter the roof and where they need to go, and then selects the barrier type, the layout and the fixing method. Depending on the roof, a section of barricade may be a fixed, roof-mounted guardrail or a free-standing arrangement; TsaF confirms the right configuration for each section at design stage.

Choosing the barrier type

- **Aluminium Barricade System:** TsaF's lightweight aluminium tube-and-clamp guardrail, with upright posts, tube clamps and connectors in 2-, 3- or 4-rail configurations, suited to long roof-edge runs.

- **Modular Safety Barrier System:** a key-clamp guardrail, free-standing or fixed, that also suits mezzanines, pits, floor openings and machine guarding.

Where rooftop barricades are used

- **Roof edges and parapets** on industrial sheds, warehouses, factories and commercial buildings.
- **Rooftop openings**, with barricade around roof openings and skylights alongside mesh protection.
- **Access points** such as roof hatches and ladder exits, where workers first step onto the roof.
- **Equipment zones** around HVAC units, solar panels, chillers and exhaust fans that need routine maintenance.

Where a barrier cannot cover the whole route, a horizontal lifeline provides personal protection, a skylight protection system covers fragile roof lights and an aluminium walkway gives a defined path to the plant. The climb to the roof is secured with an aluminium cage ladder and a vertical lifeline.

Why TsaF

TsaF has supplied rooftop barricades since 2005. The barricade systems in the TsaF range are designed in accordance with EN 13374:2018 and ISO 14122-3:2016; refer to the product datasheet for the standard that applies to the configuration proposed for your roof. We survey the roof and its edges, design the layout and fixings, manufacture in Jewar and install with certified technicians. Our Annual Maintenance Check then inspects posts, rails, clamps, joints, fasteners, alignment and roof fixing points and issues an annual inspection report. Request a site assessment to plan edge protection for your roof.

System types

Fixed, roof-mounted barricade

A permanent guardrail fixed to the roof structure along edges and open sides, with fixings selected for the roof profile at design stage.

Free-standing barricade

A barrier that stands on the roof surface for sections where fixing into the roof is not wanted. Suitability is confirmed for each roof.

Aluminium tube-and-clamp barricade

The TsaF Aluminium Barricade System: lightweight aluminium posts, tubes, clamps and connectors in 2-, 3- or 4-rail configurations.

Modular key-clamp barrier

The TsaF Modular Safety Barrier System, free-standing or fixed, for roof perimeters and access zones as well as indoor edges and openings.

Barricade around openings and access points

Short runs of barricade around roof hatches, ladder exits, roof openings and skylights, closing off the hazard while keeping access clear.

How it works

01 Hazard survey — TsaF maps roof edges, open sides, openings, access points and the routes people use across the roof.

02 Barrier selection — The aluminium or modular key-clamp barrier is chosen for each section, based on the roof, the hazard and how the area is used.

- 03 Layout design** — The barricade is laid out to follow the edges and enclose fall-risk zones without blocking normal rooftop access.
- 04 Roof attachment** — Each section is fixed to the roof or set up as a free-standing arrangement, using the method confirmed for that roof.
- 05 Access integration** — Barricades are planned together with ladder exits, roof hatches, walkways and lifelines so there are no unprotected gaps.
- 06 Annual inspection** — Posts, rails, clamps, joints, fasteners and roof fixing points are checked every year under the Annual Maintenance Check.

Benefits

Collective protection

Protects every person on the roof, with no harness or anchor connection needed.

Access kept open

A secure physical barrier that does not restrict normal rooftop access and movement.

Clear working zones

A continuous barrier marks a clearly defined, protected working area.

Right barrier for each area

Aluminium and modular key-clamp barriers are combined to suit each part of the roof.

Engineered per roof

Layout, configuration and fixings are designed after a survey of your actual roof.

Supported for life

Installed by certified technicians and inspected every year under the Annual Maintenance Check.

Applications

Roof edges and parapets on sheds, warehouses and factories

Exposed roof areas and fall-risk zones

Around roof openings and skylights

Roof hatches and ladder exits

Zones around HVAC units, solar panels, chillers and exhaust fans

Commercial building roofs

Standards & specifications. Designed in accordance with EN 13374:2018, ISO 14122-3:2016. Specifications are indicative and may vary with configuration. Final layouts, loads and applicable standards are confirmed by Tsaf engineering for each project. Subject to technical changes.

Plan your rooftop barricade system with Tsaf

Site assessment · System design · In-house manufacturing
· Installation · Training · Annual Maintenance Check

We don't just install your safety system. We stand on the roof with you.

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