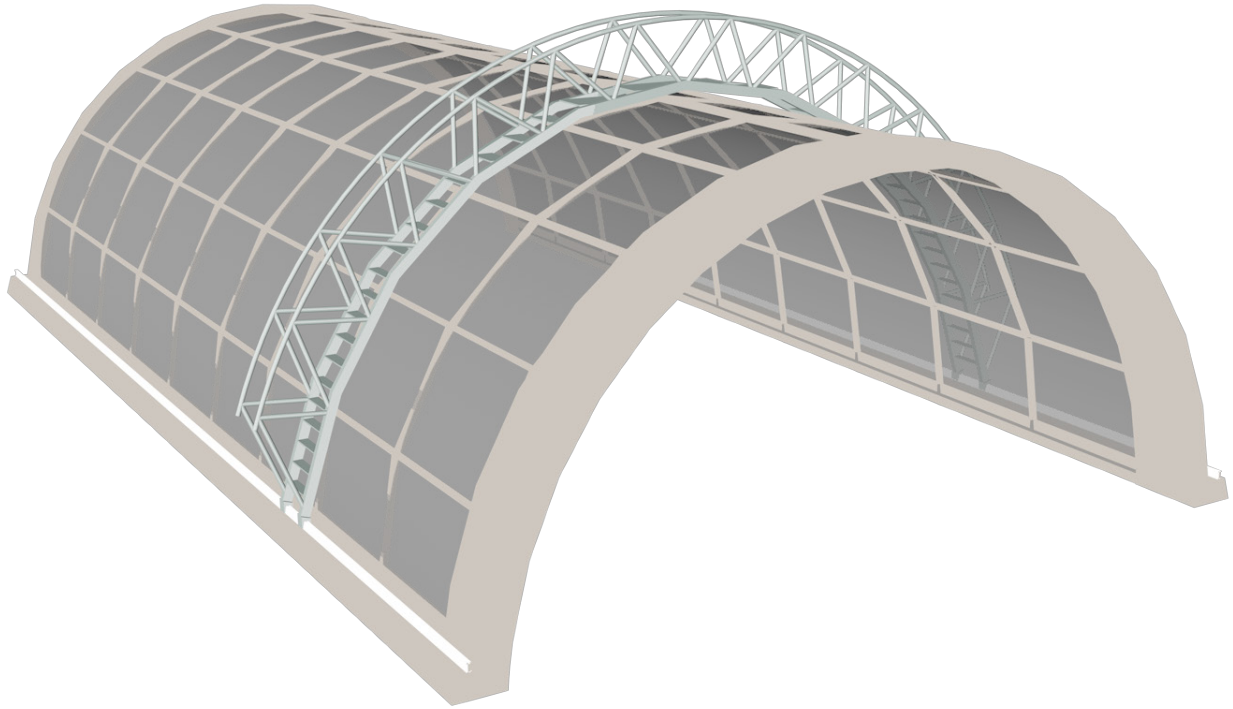


# Traversing gantries

# Minimizing visual impact



The gantry solutions are designed for inside and external maintenance of some constructions such as glazed structures like domes, skylights and atriums. The solution is designed to fit each specific building shape and built in aluminium, which ensures the low weight and durability against damage and corrosion. Gantries are expected to preserve the aesthetic of architecture by being almost invisible. Until today gantries of up to 30m length have been manufactured and installed.

The system is equipped with a high mounted handrail, closed ends and a fall arrest device which ensures that the users are always in a safe working position.

The traversing system combines a gantry with the SafeAccess monorail system. It can be electrical-powered, battery powered or manually operated, telescopic or fixed length among other changeable features.

A lightweight solution

More than 2 users can work simultaneously

Easily operated. Just requires a basic training in work at heights

Modular system, which allows augmentation or exclusion of elements

Easily hidden in parking position

System bolted and not welded

Access to the whole gantry structure

## 1. The Gantry

These permanent access systems are composed of working structures that move over a series of fixed rails, which are attached to the building. From the working structure one can safely access the facade for cleaning or maintenance purposes. The working structure is designed to meet your specific requirements. It can take many different forms, such as a vertical ladder with or without movable platform, a reinforced ladder (vertical, horizontal or sloped), a staircase, a solid gantry, a gantry that in turn has moveable parts, etc. Based on the desired principles of operation we typically propose one or more designs, using our experience to ensure the designs are practically feasible and provide the desired ease of use. We also produce custom platforms to be integrated in third party building maintenance units.



Horizontal traversing gantry designed to clean a fragile roof deck.

## 2. The SafeAccess

The traversing ladder system usually works with a SafeAccess system from Fallprotec.

The rail is made from aluminium alloy EN AW6060 T6. This alloy is capable of withstanding a marine environment, and thanks to the anodized treatment no electrolytic corrosion will take place between the steel structure and the rail.



Gantry designed to cover a fully spherical construction.

Each section of rail is connected to the next one by a junction section (rectangular tube) fixed by riveting.

A bracket should be placed at each end of the rail and at regular intervals. The maximum distance between two adjacent brackets should not exceed 3 meters for a suspended load of 2 x 400 kg. The distance between façade and rail is 600 mm (others on request).

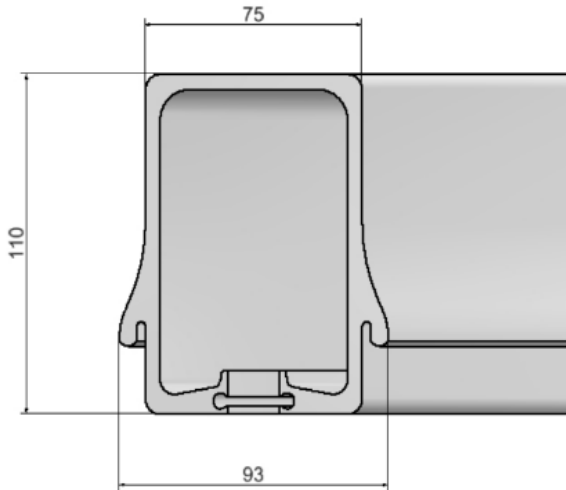
Regarding the curves, the rail may be bent with a radius of 600mm or more. The rail is bent in the factory with a straight length at both ends, as shown. The curved section is supported by 3 brackets.

## 3. The SafeAccess C

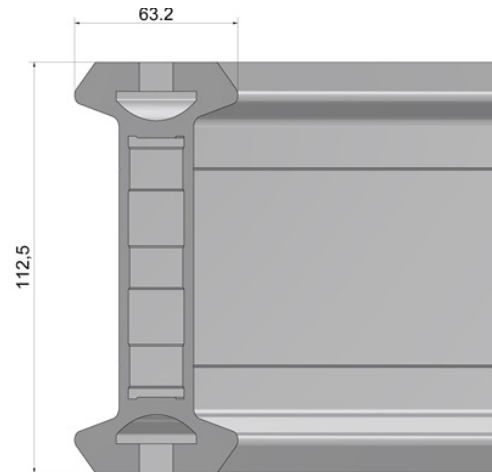
The Fallprotec SafeAccess C system is designed for traversing systems fixed under ceiling.

The rail is made of raw aluminum alloy EN AW6060 T66, on request it can be powder coated or anodized. The rail can be mounted in a false ceiling or on the underside of a ceiling. Each section of rail is connected to the next one by a junction. The system can be installed both on concrete slab or on a steel structure.

A bracket should be placed at each end of the rail and at regular intervals. The maximum distance between two adjacent brackets should not exceed 3 meters for a suspended load of 2 x 400 kg. The rail may be bent, with a minimum radius of 800 mm.



SafeAccess C rail profile.



SafeAccess rail profile.