



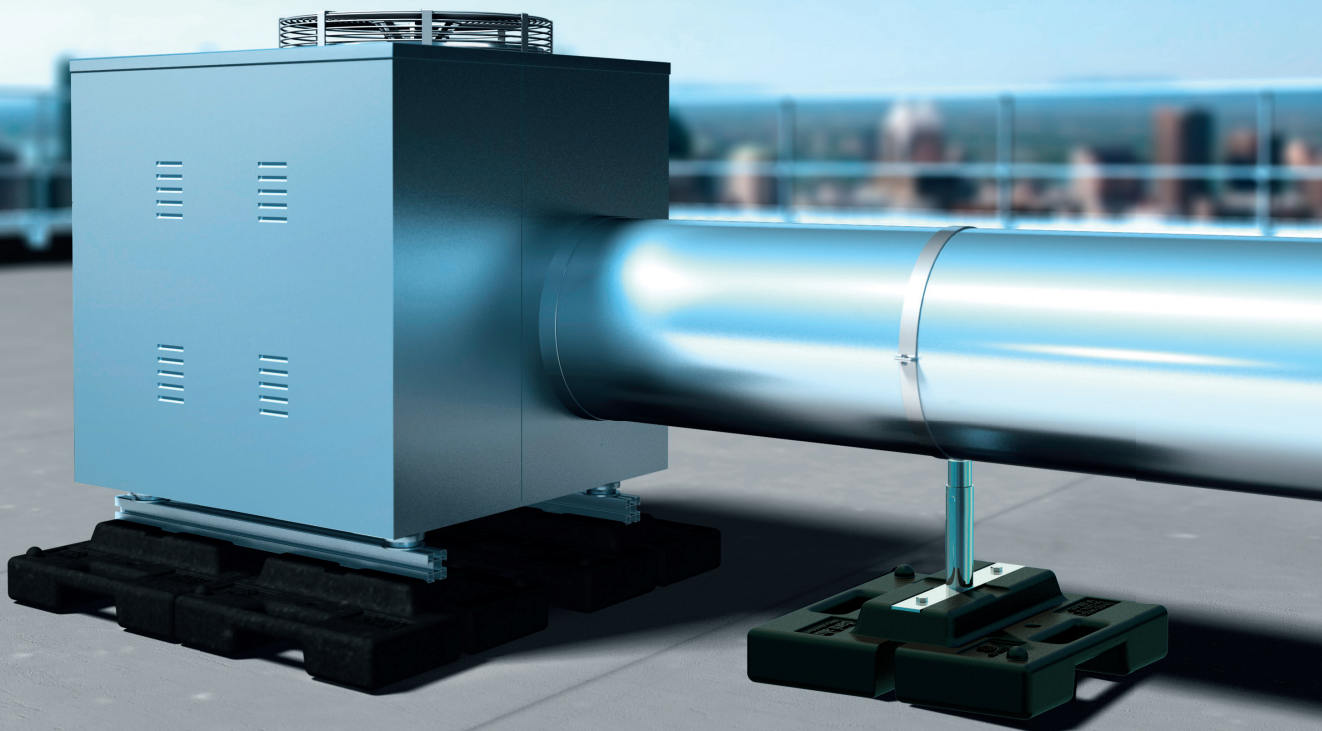
# Sherpal® Freestanding

Ballasted support system  
for mechanical services equipment  
on a flat roof



✓ Installation without penetrating roof membranes

✓ No thermal bridging



# The system



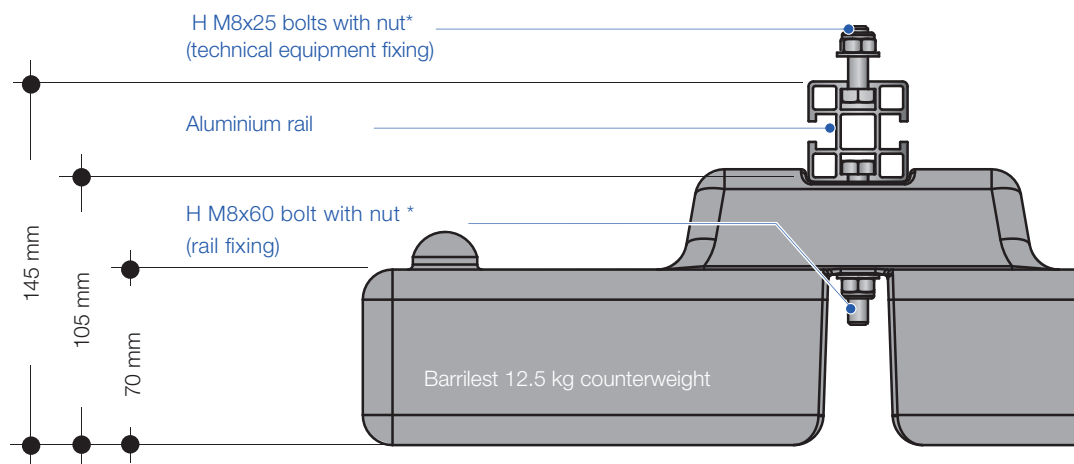
- ✓ Machine support compliant with French approved installation procedure
- ✓ Equipment raised above any possible standing water
- ✓ Absorbs acoustic vibrations
- ✓ Mill finished stock available

Sherpal® Freestanding is a supporting structure used to install mechanical services equipment on the surface of a flat roof without any membrane penetration or direct fixings.

Sherpal® Freestanding is designed to support the following items of equipment: Mechanical ventilation, air conditioning units, heat pumps, inverters, satellite dishes or CCTV cameras.

It can also be used to lay ducting, cable raceways or piping.

## System cross section



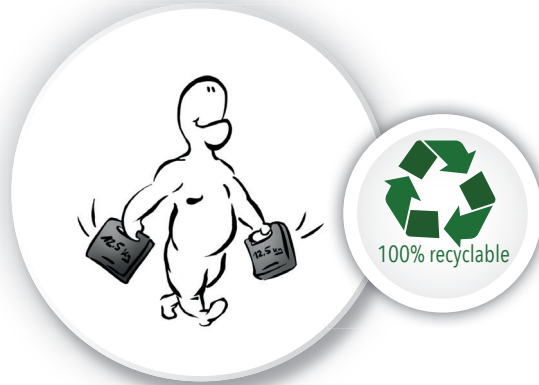
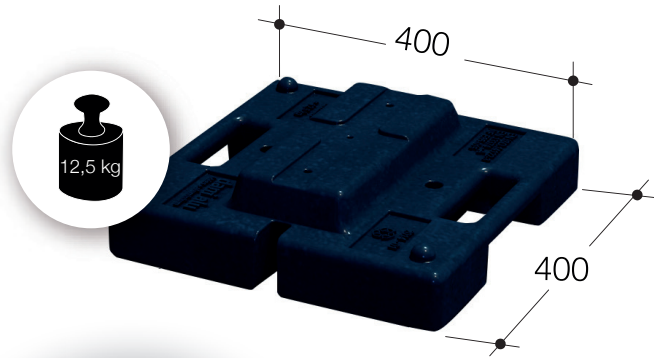
\* Fasteners included

## Description of the system

- **Barrilest 12.5 kg counterweight**
- **Rail**  
The aluminium grooved rail links the counterweight and the equipment.
- **Fixings**  
dani alu provides the fixings needed to assemble the system and fix the technical equipment.

## Advantages of the Barrilest 12.5 kg

- Easy to install
- Compliant with French approved installation procedure
- Manufactured from resilient, recycled and recyclable material, it absorbs vibrations
- It protects roof membranes thanks to its rounded forms and low weight
- It has a 10-year guarantee, is frost resistant and UV resistant
- It has carry handles and at 12.5 kg promotes safe handling of materials



## Compliance with French approved installation procedure

Sherpal® Freestanding meets the requirements of French approved installation procedure covering heavy permanent and removable equipment installed on the roof membrane.

### French approved installation procedure

Each block rests on adapted resilient material

The smallest resilient material support dimension is not less than 400 mm

The block layout must not block rainwater drainage

### Sherpal® Freestanding conformity

Sherpal® Freestanding conformity

Total counterweight dimensions L x W: 400 x 400

The 105 mm space under the rail is higher than the 50 mm required for rainwater drainage



Find this product on the web site [www.danielu.com](http://www.danielu.com) or using this this **Qr Code**.

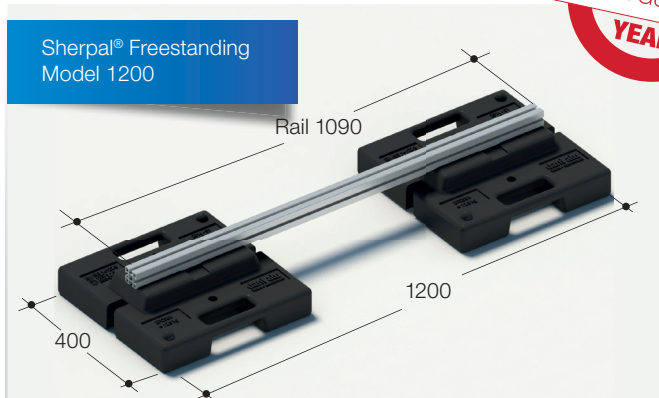
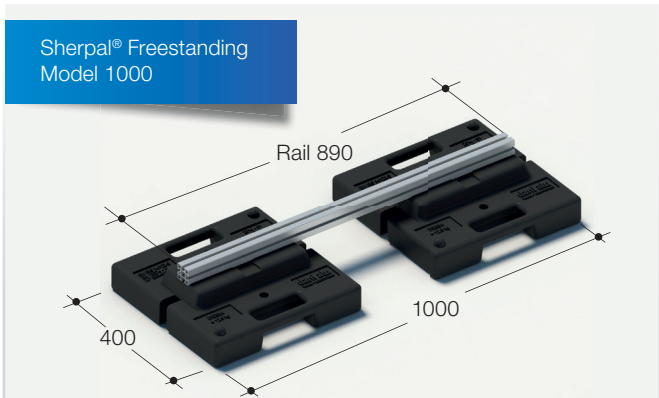
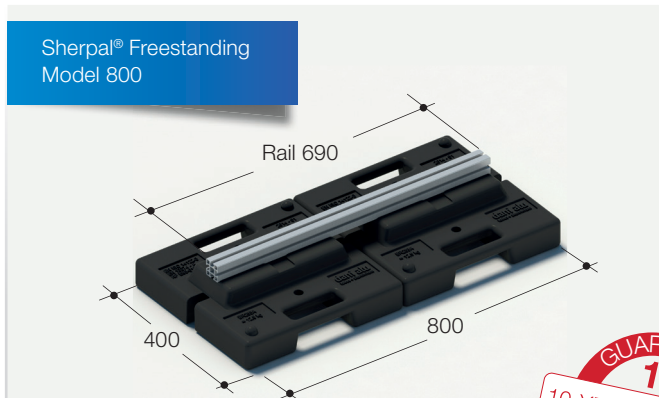
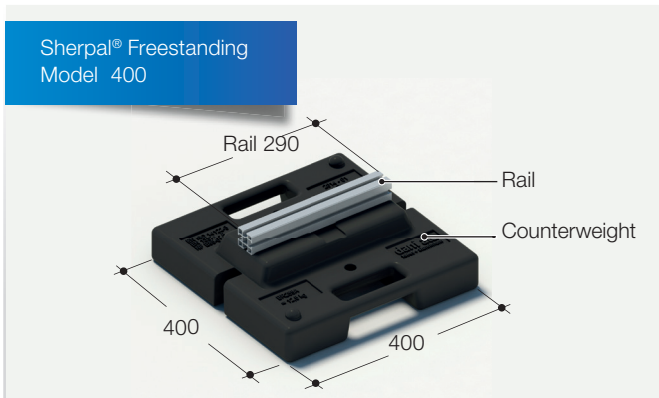
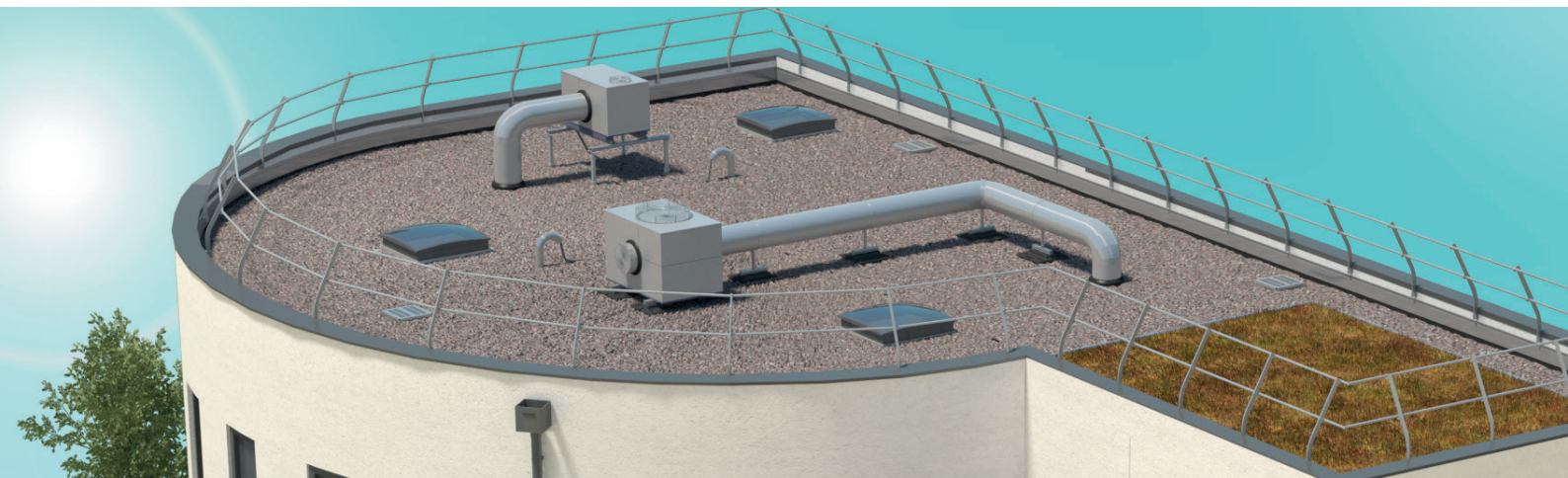


Patented system. Registered trademark and models. Modifications reserved.

The examples of use are given for information purposes. All the measurements in the catalogue are given in mm.



# 4 models available in stock





# Applications

## Sherpal® model 1000 for mechanical services equipment



Using two ballasted freestanding Sherpal® model 1000s installed under the equipment, the roof is protected and rainwater will drain normally.

If the equipment is moved, Sherpal® Freestanding is easy to remove and transport

## Sherpal® Freestanding cable tray

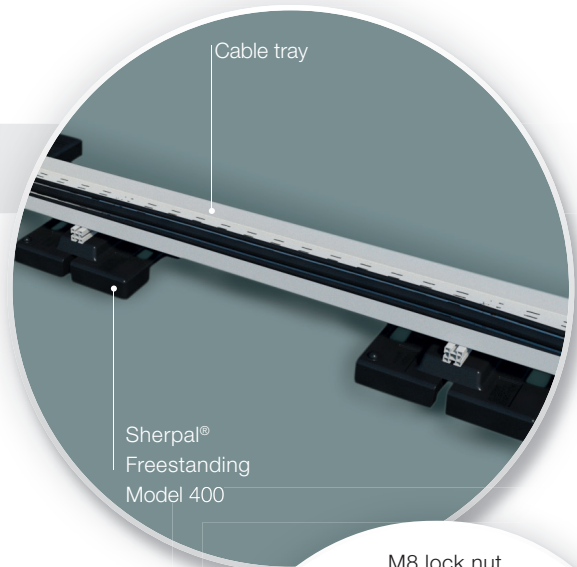
This system raises cable trays on flat roofs.

The cables are thereby raised above the water level.

Sherpal® Freestanding for cable trays includes the following elements:

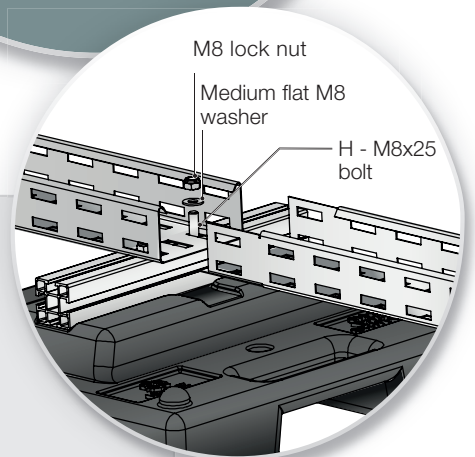
- Sherpal® Freestanding model 400 (Barrilest counterweight + rail + fasteners)
- Cable tray lengths in aluminium (L = 2500 mm, I = 100 mm)

Note: at the junction of two cable trays it is imperative to use a Sherpal® Freestanding model 400 (Barrilest counterweight + rail + fasteners).



Cable tray

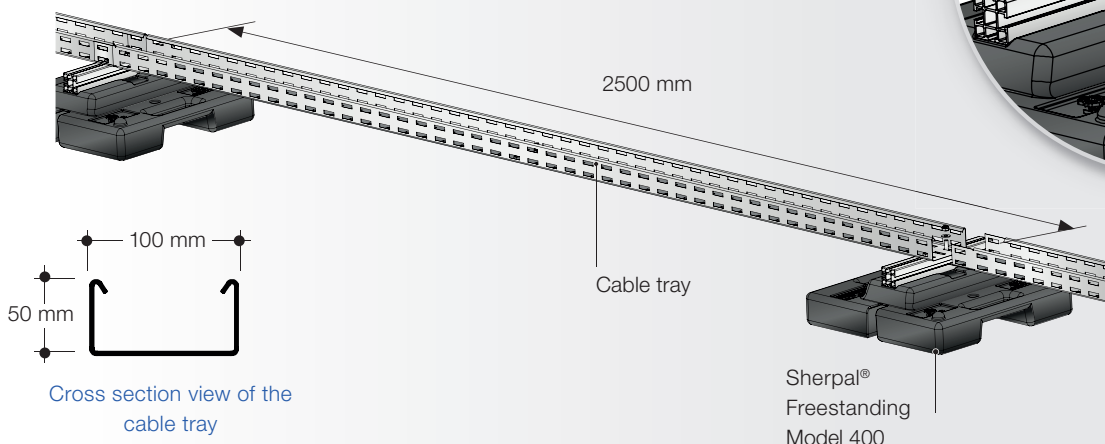
Sherpal® Freestanding Model 400



M8 lock nut

Medium flat M8 washer

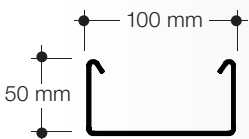
H - M8x25 bolt



2500 mm

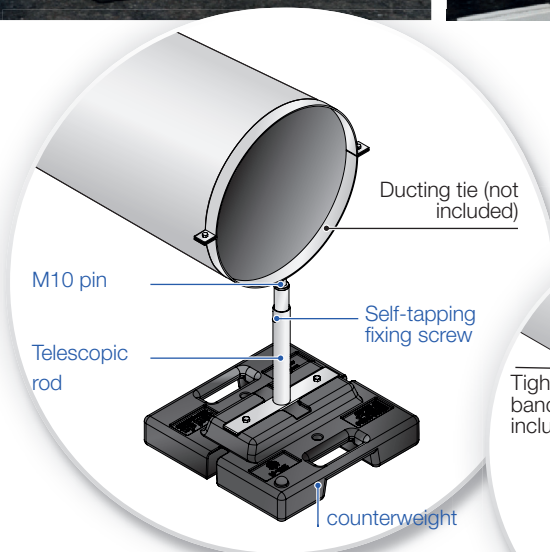
Cable tray

Sherpal® Freestanding Model 400

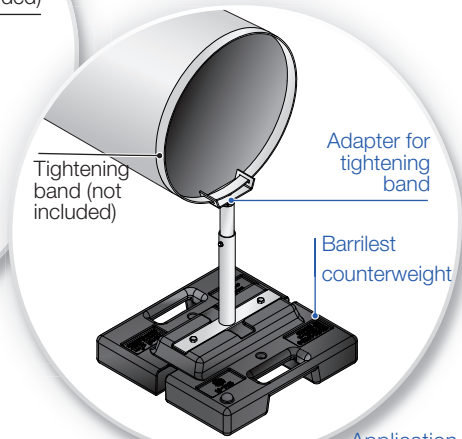


Cross section view of the cable tray

## Sherpal® Freestanding with telescopic rod



Application with ducting collar

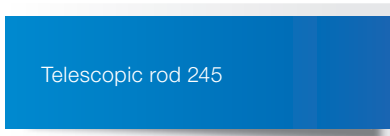


Application with adapter for tightening band

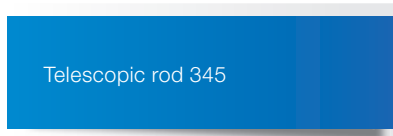
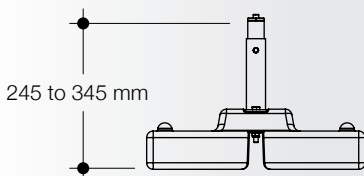
**Sherpal® Freestanding** with telescopic rod is used to support ventilation ducting on flat roofs.

In compliance with French approved installation procedure, the ducting should be placed at a distance of at least 300 mm from the finished roof level.

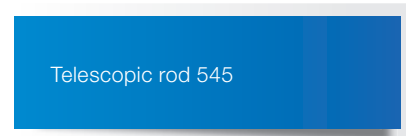
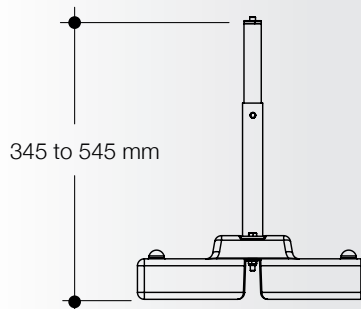
The height can be adjusted from 245 to 750 mm (finished level at the pin) using three models of telescopic rods.



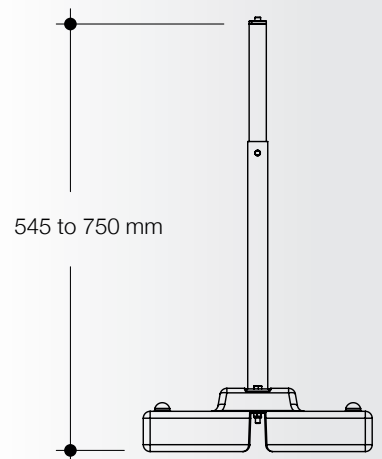
Telescopic rod 245



Telescopic rod 345



Telescopic rod 545





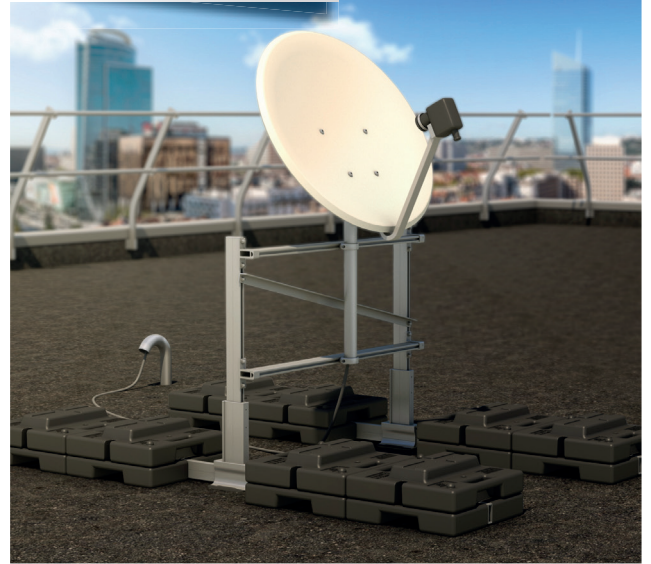
# Associated products

To be able to cater for all possible configurations, Sherpal® Freestanding also exists for floodlight supports, satellite dish supports, CCTV support, and plant screen (Paravent®).

Sherpal® Floodlight support



Sherpal® Satellite dish



Paravent®





# Sherpal® Freestanding

Company stamp

Purchase     Quotation

(Tick the required option)  
Please provide the following information.

Date: .....

Company (address /company stamp): .....

Contact: Mrs/Mr. ....

Phone number: ..... Fax: .....

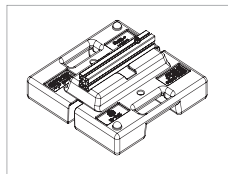
Mobile phone: ..... Email: .....

**Type of project**     new build     refurbishment    **Site reference:** .....

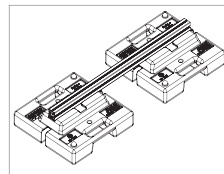
**Project phase**     design     contract    .....

**Delivery address** .....

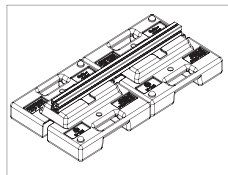
## Sherpal® Freestanding



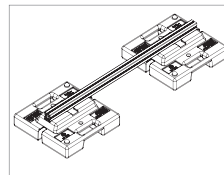
**model 400**    Quantity: ..... u



**model 1000**    Quantity: ..... u

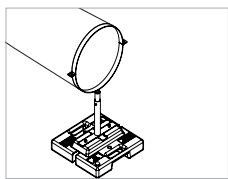


**model 800**    Quantity: ..... u



**model 1200**    Quantity: ..... u

## Sherpal® Freestanding with telescopic rod



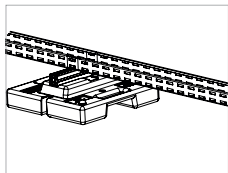
**model 245**    Quantity: ..... u

**model 345**    Quantity: ..... u

**model 545**    Quantity: ..... u

**Adapter for tightening band**    Quantity: ..... u

## Sherpal® Freestanding for cable trays



**Cable tray (L = 2,500 mm)**    Quantity: ..... m

**Sherpal® Freestanding model 400 (counterweight + rail + fasteners)**    Quantity: ..... u