



PRODUCT SHEET

BoxPART

Fireproof enclosure for rod and cable protection
of pre-tensioning HCM 60 EI 90



BoxPART is a fireproof enclosure for use with Freyssibar anchor heads type Freyssibar or prestressing cable anchor heads for prestressing cables on road, rail and mixed tunnels.

It protects cables, pre-stressed elements when the latter must maintain optimum performance even under the action of a fire hydrocarbon fire.

Meets the M0 requirements in tunnels.

Benefits

- Saves time during installation: no cutting or adjustments to be done on-site
- Saves weight and space
- Meets requirements in the most strict regulations
- Protection of several elements with a suitable single box multiple anchorages to reduce space
- Possibility of handling by one person
- Much lighter and less fragile than an assembly made of sand-lime Suitable in all rail and road tunnels.

Key points

HCM 60 EI 90

→ *Firewall 1h30 continuous including 1h under an increased hydrocarbon fire*

- de 120°C

→ *Temperature of the prestressing elements during the entire duration of the fire*

M0

→ *Tunnel requirement*

Description

BoxPART is a rigid box made of galvanised or stainless steel (on request) prefabricated fireproof box.

Dimensions vary depending on the size of the anchor to be protected and the geometry of the on-site application (made to measure)

Casing for one or more heads.

Insulating complex based on fibers and gel, installed in a M0 fabric cover (patented COMPART) system).

Can be dismantled and repositioned on demand, without joints and without the intervention of a technician (fire protection degree guaranteed).



	BoxPART S	BoxPART D	BoxPART O
Case	Simple	Double	Oblique
Usage	1 head	2 heads	1 cable head de recontracting



Implementation

- Carry out the installation as usual
- Drill the holes needed for fixing the box
- Position the box
- Insert the fixing studs and tighten the nuts in order to press the box and its retaining flange, if necessary on the concrete

If a subsequent visit is necessary, repeat the operation in reverse for the removal and re-installation, following the installation implemented after inspection.

Special features

- Thickness of the insulating complex reduced and flexible
- Colour : metallic or other finish on request (epoxy. paint.)
- Guaranteed halogen-free

Precaution for use

- Do not pierce
- Handle with care
- Do not expose to the weather
- Store in a sheltered place

Security measures

- Refer to the product safety data sheet
- Wear PPE adapted to the on-site conditions

Approvals and qualifications

- EFECTIS 2019 test report
- EFECTIS calculation note