60+
SINCE 1961

FLAYRAIL GUIDES

PILOSIO
SCAFFOLDING & FORMWORKS

THE FLYRAIL GUIDE: THE FASTEST AND SAFEST SOLUTION FOR ERECTING SUSPENDED TEMPORARY STRUCTURES AND TO GO PAST PIER AND PIER CAPS.

The FLYRAIL guide is the most practical and definitive solution to the difficulty of set-up and dismantling suspended temporary structures by means of beams, leaving road and railroad locations free.

USE

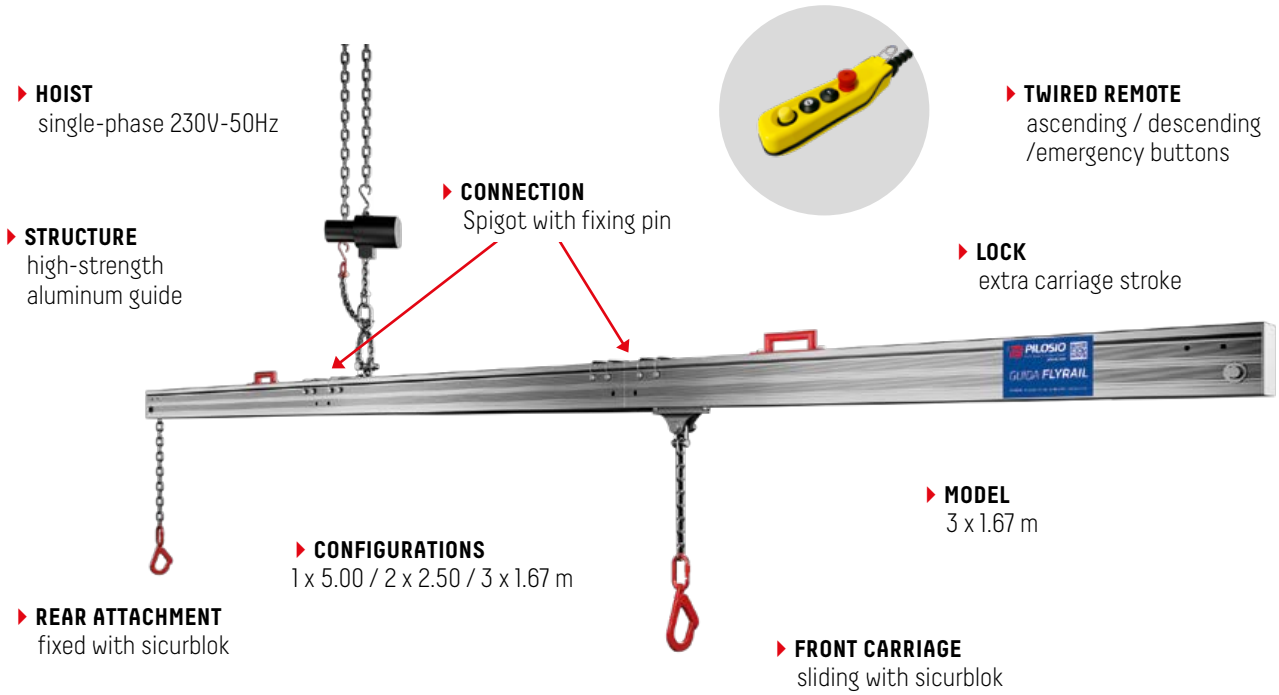
The system is suitable for transverse beam structures, longitudinal beam structures, coplanar structures, stepped structures, lateral and forward cantilevered structures, going past pier and pier caps without the use of other bridge inspection platforms.

REDUCED TIME

This innovative solution enhances safety, greatly simplifies, and speeds up set-up and dismantling operations for each stage, ensuring considerable time and cost savings.

HOW TO USE IT

Single rail for cross structures, one pair of rails for structures in progress.

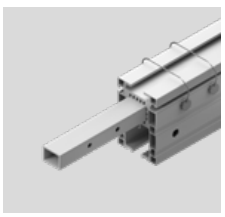


Lifting handle
and guide positioning

Quick hook with
sicurblok safety

Motor 230V-50Hz
single-phase
capacity 240 kg
with clutch

Clutch slip
safety lock



Guide connection
spigot

Guise connection

FLYRAIL GUIDE

The FLYRAIL guide has been studied down to the smallest detail to offer a concrete solution to the difficulty of setting up suspended structures, to go past pier and pier caps, and continuing in subsequent spans without the use of other machines. Suitable for setting up temporary structures with curved or linear, both transversal and longitudinal, the **FLYRAIL** guide is currently the safest and fastest answer on the market and responds to the problem of blocking traffic during set-ups on bridges and viaducts as it does not require any vehicle such as: bridge platforms, aerial platforms or other commonly used systems.

METHOD OF USE

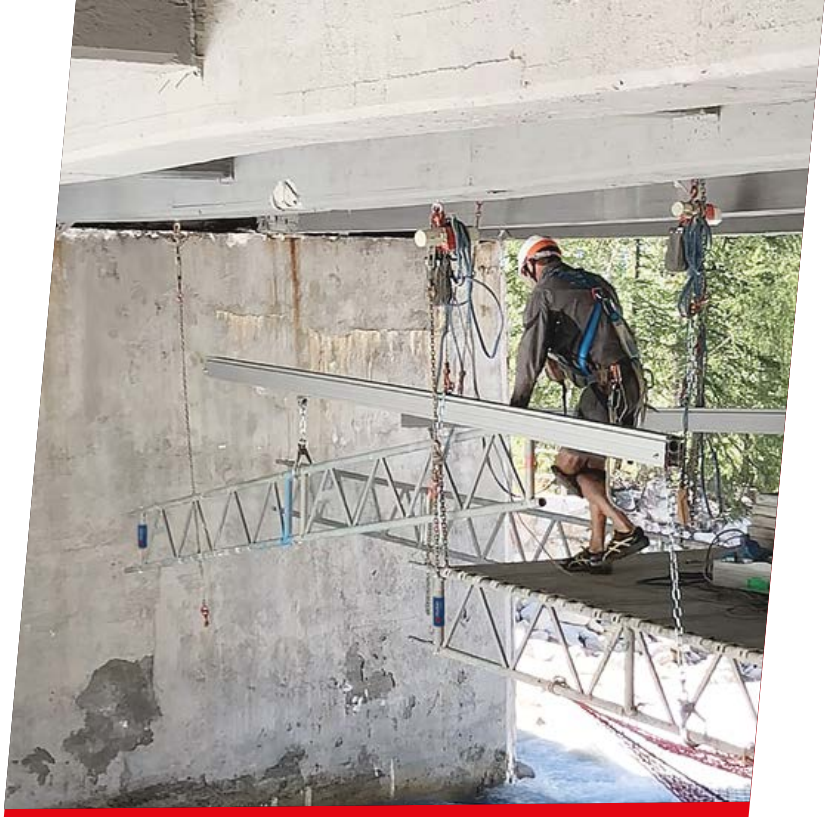
Starting from the abutment of a bridge, a viaduct or the base of a pile, a simple scaffolding is set up with a staircase at the top of which, once the desired height has been reached, a small starting platform is set up suitably fixed to the scaffolding itself and anchored, using the beams hooking them to the scaffolding and once the anchoring points have been created on the intrados with tie rods, chains or other systems, to the intrados itself. Therefore, a platform is obtained to proceed with the use of the FLYRAIL guide in complete safety.

The system to go past pier and pier caps is also quick and intuitive. In this case, two FLYRAIL guides must be used in pairs and the set-up will have to move forward for faster and safer work but also in transverse mode if space permits.

HOW DOES IT WORK

The **FLYRAIL** guide is hooked to the intrados in one of the anchors previously prepared for the suspended surface, and is complete with a hoist, a rear locking attachment and a sliding carriage. The operator hooks the beam to the sliding carriage and pushes it cantilevered. Using the hoist, it aligns the cantilever beam with the existing one and joins it with a spigot and elastic pins. After also connecting the second beam to the work platform, the operator positions the decks and makes the anchors in total safety because the surface is supported by the pair of **FLYRAIL** guides.

Finally, it anchors the platform using the chosen system and hooks the safety net obtaining double safety and prepares the **FLYRAIL** guide for the next beam.



THIS DOCUMENT PROVIDES ONLY A FIRST SUMMARY INFORMATION, FOR FURTHER TECHNICAL DETAILS, SCOPE, INSTRUCTIONS FOR USE AND METHOD OF USE, PLEASE REQUEST EXPRESSLY.

STRENGTHS

- Great speed of execution of the works (from 30 to 50% of time saved);
- High safety during set-up and dismantling;
- Allows the creation of suspended lateral platforms to the pier and pier caps to continue with the temporary structure in the next span;
- Less effort for operators;
- The **FLYRAIL** guide can be used with any type of beams;
- Patent Pending. CE mark.

FEATURES

- The system consists of one or two guides;
- Length: 1 x 5.00 / 2 x 2.50 / 3 x 1.67m to facilitate transport;
- Connecting spigots and fixing pins;
- Two handles;
- A 230V-50Hz single-phase motor hoist with wired remote;
- 10 m hoist chain;
- 5 m tear-proof pushbutton panel cable;
- Hoist suspension chain with safety;
- Rear fixing chain to the top with sicurblok;
- Sliding trolley with sicurblok to move and support the beams.

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