

60+
SINCE 1961

FLY 105 BRACKET



ENGLISH

PILOSIO
SCAFFOLDING & FORMWORKS

 Made in Italy

FLY 105 BRACKET

The FLY 105 cantilever bracket, which is used for maintenance work on the edge beams of bridges and viaducts and on roofs and cornices of buildings, is equipped with an ingenious sequential erecting system that significantly increases installation speed and safety.

The assembly system consists of a bracket with a special Z-shape that accommodates and locks an aluminum gangway inside it; the gangway slides between two brackets and provides a temporary surface for the operator while attaching the plates and the next bracket to the wall.

Erecting the Fly 105 bracket with the use of the gangway allows decking installation to proceed quickly and safely without interruption.

Load capacity: 150 kg/m²



BASE COMPONENTS:

- Fly bracket L=105 cm, galvanized steel
- Suspension plates with anti-slide safety block L=25 cm and L=55 cm, galvanized steel
- Aluminium gangway 60x400 cm
- Anti-slide coupler with runner wheel
- Standard plank 50x180 cm, galvanized steel
- Guardrail post K H=105 cm, galvanized steel
- Double guardrail K L=180 cm, galvanized steel or galvanized steel handrails
- Toe board, galvanized steel
- Safety net 100x100 mm mesh, diam. 5 mm, dimension 1x15 m, and braided rope L=75 cm



ASSEMBLY SYSTEM

The workers, equipped with PPE according to the local regulations, always work tied to the upright of the anchored bracket.
The starting phase of the FLY 105 bracket system, consisting of the first two brackets anchored, the working deck, the gangway and the locking coupler, must always be assembled with an external support, i.e. an aerial platform, a scaffolding if possible, or cantilevered from above.

From this point on, the workers are autonomous.



From the working deck of the starting phase, the operator pushes the 60x400 cm gangway forward for a length of approximately 170 cm, i.e. right before the anchorage point of the new bracket. The gangway is placed and slides in the lower level of the two brackets already anchored and is blocked by an anti-slide coupler with a runner wheel placed on the vertical upright of the first bracket.



It is possible to walk on the cantilevered gangway in complete safety because the worker is attached with the safety strap to the anchored bracket.

Sitting on the gangway, drill the holes in the wall, fix the anchor plates, then anchor the new bracket to the plates and tighten the bolts securely.

Proceed by positioning the two decks, the guardrail and the safety net.



To continue with the next bracket, unscrew the coupler of the anti-slide block and screw it onto the vertical upright of the penultimate bracket, then slide the gangway forward and continue in the same way.

With the Fly 105 bracket, it is possible to proceed continuously and quickly along the edge of the viaduct without interruption.

An external support is required to overcome obstacles like corners, protruding pier-caps, etc.

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