

INTERIOR CLIMBING SYSTEM

PRODUCT BROCHURE



Interior Climbing System



Lakepark Crescent residential in Chicago, United States

A system designed for safe performance of: interior climbing systems in hollow pier formwork, elevator shaft formwork and all types of hollow structures with multiple sections. The design principle of the Interior Climbing System is simplicity: it is very easy to assemble, without the need for tools and it can be moved quickly and easily.



Safe

Movement can be carried out entirely by means of a crane, without the direct intervention of an operator. The Interior Platform System is compatible with the Alsina safety accessories.



Versatile

Designed to perform a wide range of interior wall sections with standard elements. Nonetheless, there is always the possibility of studying and calculating the manufacture of a customized interior climbing set to solve any project requirement.



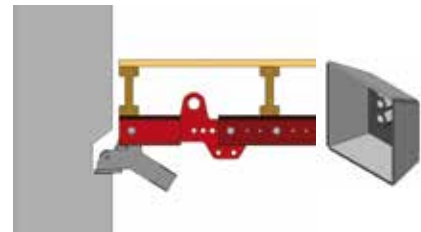
Profitable

Interior climbing of the hollow structures allows the formwork to be supported from the interior without using elements such as scaffolding or bracing from the ground. This implies considerable savings in material and labor, since both the toggle support and the toggle are reusable. The wood beams allow for project adjustment without the need to manufacture customized.

Climbing system with the toggle support



The Toggle Support is used when an opening can be left in the structural concrete element. The element called a Reusable Box must be left embedded in the concrete during the previous fill. After pouring, the formwork is removed first and then the Reusable Box is removed. Finally, the Interior Platform System is raised and the Toggle Support is housed in the hole left by the Reusable Box. When the Interior Climbing System is supported on the hole in the concrete, it can not move from its position because the Toggle Support is designed so it can only be unlocked manually.



Climbing system with cast-in anchor



The Cast-in Anchor is used when a hole can not be left in the structural concrete element because of high steel framework density or technical requirements. Pass through bars through the walls can not be used in the Interior Platform System. Therefore, the Fixed Support must be used, anchored to the wall by means of a lost anchor. The Cast-in Anchor will be attached to the formwork for the next pour with a metric bolt and reused for the following pour by accessing the trailing platform of the Interior Platform System. The Cast-in Anchor system bears the weight of the Interior Platform System and can only be moved upwards by lifting with a crane.

