RSA Alsina

HANDSET EDGE PROTECTION SCREEN

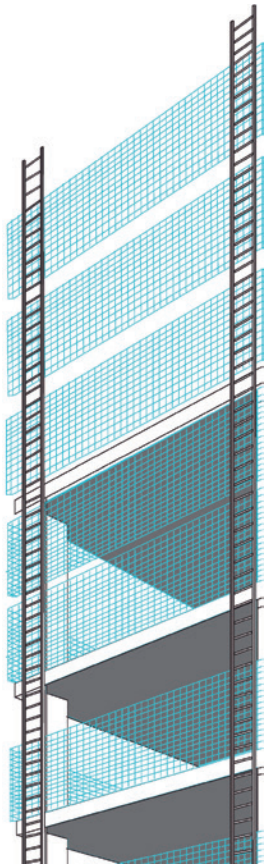
PRODUCT CATALOGUE

HANDEST EDGE PROTECTION SCREEN (HEPS)

Improves productivity providing full safety.

The Handset Edge Protection Screen (HEPS) covers the critical need detected throughout our experience in the construction sector, to significantly increase the protection of workers within the construction sites, especially during the execution of the horizontal formwork stage, where most of the accidents happens.

The HEPS is a game changer in creating safer workzones, in comparison to the current different solutions on the market. The HEPS not only improves the performance and schedules of jobsites by improving the safety to all workers, but also avoid the increase of other costs.



NEW PROTECTION SYSTEM

The HEPS is made of an extra-light perimeter protection screen, adaptable to any geometry or need for work configuration. The main advantage of the HEPS is that it can installed, set and lifted by hand, without the need for a tower crane or any special machinery.

Thanks to the HEPS, workers can full feel that they are working at ground level. The HEPS also complies with the requirements of standard **EN-13374 as class A and B.**

FEATURES

- Avoid the fall of people, objects and materials, preventing damage or injury to pedestrians or property.
- Installed before the stage of paneling the horizontal formwork, protects workers against falls before the hazard arises.
- Fall protection system for building edges providing a full containment solution.
- Manual installation, removes the need of using a crane for installation.
- Provides full fall protection to the whole building edge with just one system.
- No interference with other works, or movements of taking out materials.
- The integral safety design, reduce the use of complementary PPE
- High versatility design, provides a modulable solution to install in corners and difficult geometries mainly impossible to other products on the market.
- Wide range of connectors and supplements to adapt it to almost any building project.
- Apart of full fall protection to persons and objects, is also an effective delimitation system.

COST EFFECTIVE

- Removes the need of using a crane for installation, reducing costs and time, increasing productivity significantly.
- Integrates all edge protection in just one system, increasing site productivity by minimizing the number of components required leading to reduce labor costs and shorten installation processes.
- Reduce at least 50% of labor costs in comparison to installation of standard net systems.
- Provides a full containment solution, increasing worker's confidence and improvement in their productivity.

ERGONOMIC, LIGHTWEIGHT AND ROBUST SYSTEM

The HEPS removes the need of crane, and can be easily installed by hand in just a few steps. Designed and manufactured with lightweight and robust materials, the system has been designed to contributes for an excellent ergonomy for installers (heaviest element weights 30 kg). Installers of the HEPS doesn't interfere with other jobsite workers.

3 IN 1 EDGE FALL PROTECTION SYSTEM

The HEPS provides effective full collective protection at all times, not only because it can be installed before beginning of the horizontal formwork paneling stage, but also because it provides fall protection during the stage of pouring concrete columns/walls. Provides an effective full containment even to lower floors already concreted, protecting workers prior of the finishing stage begins. No more temporary lifelines will be necessary.

GREAT ADAPTABILITY

The HEPS has been established as one of the most adaptable and versatile Edge Protection Systems on the market. With a high versatility and an extended range of supports and accessories, it can be easily adapted and provide effective fall protection even in zones of projects always difficult to other products on the market.

ASSEMBLY PROCESS

1

SYSTEM LAYOUT
The HEPS can be installed in any situation where exists a potential free fall of 2 meters or higher.

2

FIRST STEPS – BEGINNING OF INSTALLATION
The HEPS is fully modulable and adaptable without creating interference with stages of the site, thanks to a wide range of accessories and supplements.

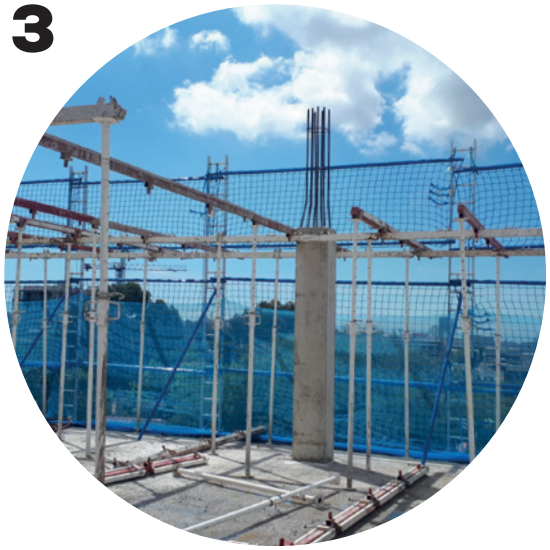
4

TOTAL PROTECTION FROM THE FIRST SET UP
The HEPS already includes a perimeter edge fall protection solution from the first set up of the system, to protect workers during the formwork stage from the very beginning, removing the need of install lifelines or standard anchoring points, bringing the safety to a higher level.

5

FULL CONTAINMENT SAFETY
The HEPS covers the full height between slabs and formwork stage against fall of persons and objects, creating a full safety environment during the assembly or disassembly of the formwork systems.

3



NO INTERFERENCE WITH FORMWORK ASSEMBLY
The assembly process of the HEPS has been specially designed to avoid interferences during the assembly stages of the different formwork systems.

6

LIFTING THE SYSTEM
The HEPS is lifted manually with an overlap of the main guides structure on each floor, fastening the structure to the slab surface with robust connectors. That phase is very simple, fast and effective, avoiding interferences with the structure execution planning, increasing the productivity and improving the site planning.

COMPATIBLE TO ALL KIND OF GEOMETRIES
The HEPS has a very flexible and modulable design, allowing an effective adaptation to different geometries and configurations of multiple projects. The system doesn't produce any interference with other stages on site, at the time that increase the safety not only during the slab formwork assembly, but also providing an effective full height fall protection solution during the period between the finished slabs and the beginning of installation of closures.

It can be interrupted at the desired floor to introduce the planned closure stage (motorized scaffolds, prefabricated, etc.).

The HEPS has a very flexible, modulable and adaptable design, providing full compatibility with almost any kind of geometries.

No interference with the installation of auxiliary equipment like unloading platforms, access ladders, etc.

Net system with U shape, which adding an additional internal netting, it can provide full height containment.

COMPLIANCE STANDARDS

This system meets the requirements of the EN-13374 standard for class A and B (standard tests made by Aidico and Tecnalia).

AIDICO
INSTITUTO TECNOLÓGICO DE LA CONSTRUCCIÓN

Informe de ensayo nº IE080157

Página 1 de 14

INFORME DE ENSAYO
Test Report

NÚMERO	IE080157 *El presente informe anula y sustituye al informe Nº IE080070*
FECHA DE EMISIÓN	23 de septiembre de 2008
	1 de 14

DE ENSAYO	**Identificación según peticionario:** Sistema Provisional de Protección de Borde Clase A con postes verticales mediante celosía de aluminio (y sistema de fijación mediante omegas a la estructura de hormigón) **Nº Albarán: 48021** **Fecha recepción: 02/04/2008**
	Ensayo de conformidad con los requisitos de carga estática (clases A y B) (apdo 7.4) UNE-EN 13374:2004 "Sistemas provisionales de Protección de Borde. Especificaciones del producto. Métodos de ensayo"

AIDICO
Registro de Salida
PATERNA
Fecha 23 SET 2008
Nº 35631

Fdo.: D. Carlos Lozano Martínez
Responsable Lab. Elementos de Seguridad

Bresó Grancha
Elementos de

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DECLARACION DE LA EVALUACION DE CONFORMIDAD DE UN SISTEMA PROVISIONAL DE PROTECCION DE BORDE

Nº INFORME ASOCIADO
CLIENTE
PERSONA DE CONTACTO
DIRECCIÓN
OBJETO
MUESTRA ENSAYADA
FECHA DE EMISIÓN

En la siguiente tabla, se recoge el lote de material correspondiente al soporte de guardacuerpos "SIPER bajo vuelo"

Muestra	Referencia	cantidad	Material base/Acabado
Ménsula corredera	SIPER 01.02-	10	Tubo acero pintado E220
Guía soporte (Escalera)	SIPER 03.00-	10	Aluminio
Tramos de red	SIPER05.01	20	Tubo acero pintado E220/ Red textil
Anclajes	Varilla SIPER 02.01 Tuerca SIPER 02.02		-
Trinquetes	Trinquete SIPER 16.01(55cm)	20	Poliamida

Mediante este documento, Tecnalia declara que el soporte de guardacuerpos "SIPER bajo vuelo" ha obtenido los siguientes resultados:

- Ensayo según procedimiento interno, siguiendo las pautas del ensayo para clase A Apdo. 7.4 UNE EN 13374:2013, SATISFACTORIO para un vano de L=3200mm
- Ensayo según procedimiento interno, siguiendo las pautas del ensayo para clase B Apdo. 7.5.1 UNE EN 13374:2013, SATISFACTORIO para un vano de L=3200mm
- Ensayo según procedimiento interno, siguiendo las pautas del ensayo para clase C Apdo. 7.5.2 UNE EN 13374:2013, NO SATISFACTORIO para un vano de L=3200m

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Fecha y hora: 23.09.2008 12:48:38
Responsable Técnico
Construcción-Servicio

- Estos resultados son el resumen de los datos incluidos en el "Informe de Ensayo" identificado en nº de informe asociado.
- Los resultados obtenidos en estos ensayos solo se refieren a la(s) muestra(s) analizada(s) en este Centro en la fecha indicada y no implican una característica de constancia en la calidad de la producción.
- Este informe no podrá ser reproducido sin la autorización expresa de FUNDACIÓN TECNALIA R&I, excepto cuando lo sea de forma íntegra.

TECNALIA RESEARCH & INNOVATION
Area Anardi, 5
E-20730 Azpeitia – Gipuzkoa

T: 902 760 004/5
T: +34 946 430 850 (International calls)

SOLID EXPERIENCE

Installed in more than 500 completed projects.


HOTEL

GLOBAL PRESENCE
Alsina has its own network of subsidiaries spread throughout the world. About 700 people are working at these sites. Alsina's personnel are interconnected via an internal network that allows them to keep abreast of the latest innovations and company news worldwide. Contact your local office to learn more about the Alsina Group.

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Alsina

Alsina Group
Tel.: 935 753 000
alsinainfo@alsina.com

www.alsina.com

0300070ENMZ