



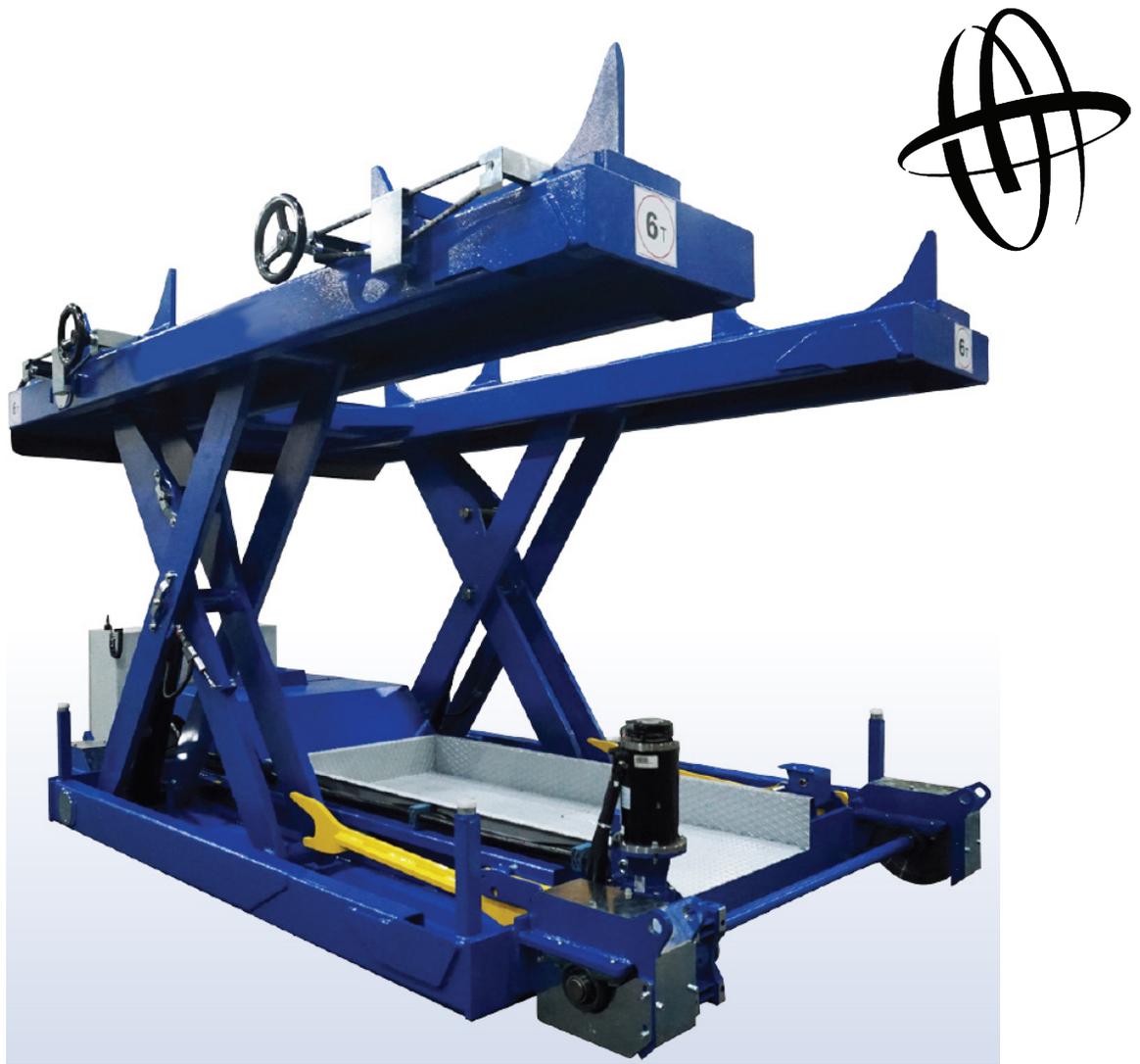
CSF

Lifting Bogie Platform

HANDLING  SPECIALTY

We build big things to help our customers build big things.

— SINCE 1963 —



OPERATING IN THE MARKET FOR MORE THAN 60 YEARS, HANDLING IS A WORLD LEADER IN LIFTING EQUIPMENT FOR THE RAILWAY SECTOR

International Partners

HANDLING supplies the largest train-builders in the world and railway maintenance companies. Thanks to technical sales team, today HANDLING exports its equipment all over the world.

Tailor-made Products

HANDLING's products are developed to be customized according to the customer's specific requirements. HANDLING has organized its operations to plan and optimize projects, search for and implement new solutions and customize its systems to customers' specific needs.

Safety and Performance

Compliant to the MACHINE DIRECTIVE 2006/42/CE and the EUROPEAN DIRECTIVE EN 1493. Compliance with increasingly strict safety regulations and its continuous commitment to simplify the maintenance operations of vehicles lead HANDLING to use the best quality materials and cutting-edge technologies in order to guarantee the highest possible quality standards.

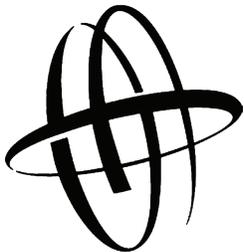
CSF LIFTING BOGIE PLATFORM

The CSF is a lifting bogie platform which runs on rails. It allows the handling, removal and the assemble of railway bogies during maintenance.

Lifting capacity is: 6,8,10,12,14 TN. The upper pad has a central opening which allows the operators to partially work under the lifted railway carriage.

TECHNICAL FEATURES

The carriage base support is made in compliance with the different track gauge systems: starting from a minimum of 1000, 1435 mm and up to a maximum of 1676 mm.



“Very satisfied, and great communication displayed by Handling Specialty..”

SRTEVEN LIVINGOOF - GE TRANSPORTATION

“We have had a long term relationship with HSML and have been particularly happy with the sevice and product quality during this time.”

JOHN SANGER - BOMBARDIER
TRANSPORTATION

TYPES OF TRANSLATION MOVEMENTS OF THE PLATFORM

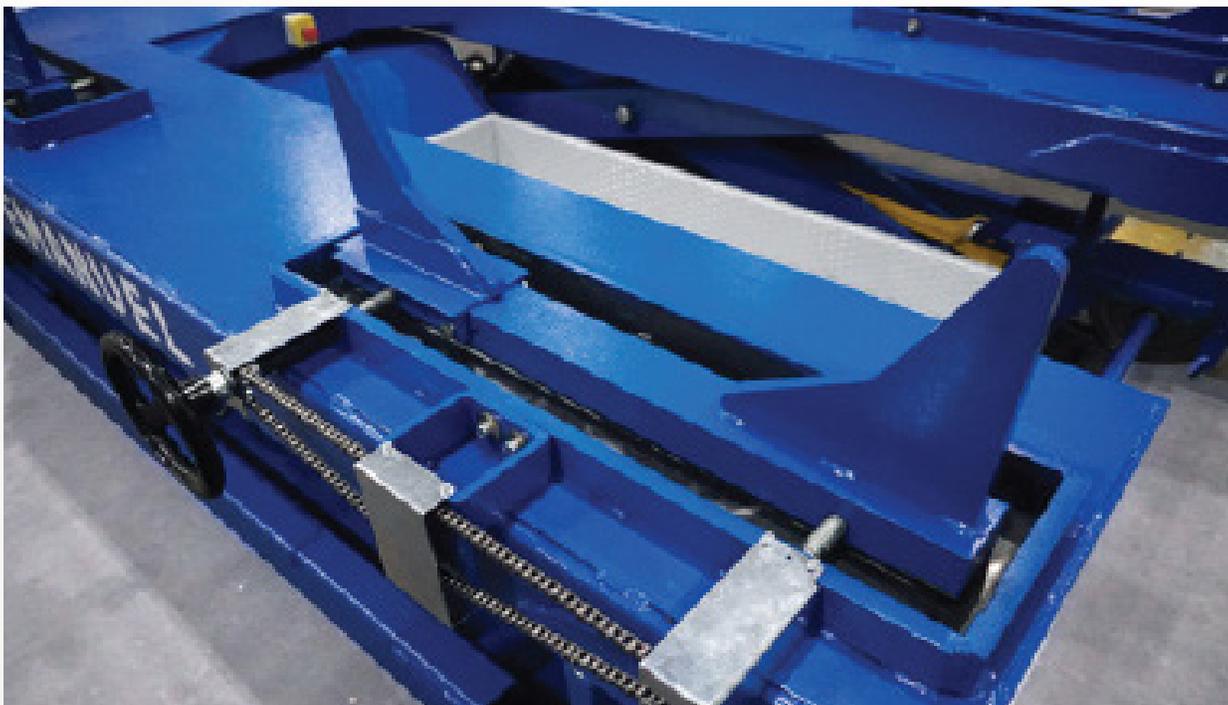
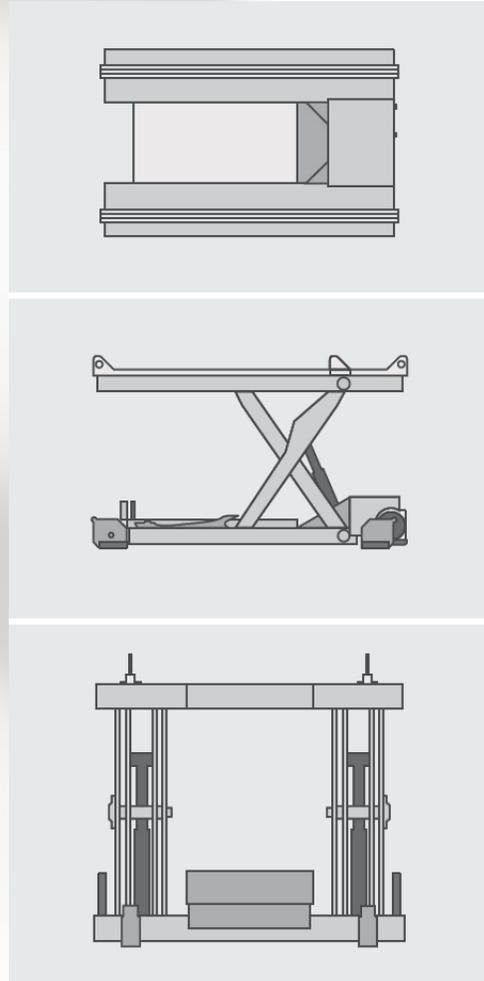
[1] HORIZONTAL

Manual, with suitable push and pull handles

- Electric, with external three-phase supply
- Electric, with a battery pack installed on the lift independently from the translation system, a normally closed handbrake is installed.

[2] VERTICAL

Hydraulic, with control unit and external three-phase power supply. • Hydraulic, with control unit and battery pack power supply installed on the lifting board. Independently from the lifting system, a manual pump is installed for activation in case of electricity lack or faulty.



Translation system manual or motorized of one or both axis

TYPES OF TRANSLATION MOVEMENTS OF THE PLATFORM

Tracks to position the bogie wheels, provided with fixed safety blocks on each far end.

- Wedges with recordable positions to limit the bogies movement.
- Mechanical block of the lifted structure for inspection, maintenance, and restoration activities.
- Mechanical lock, with manual activation, to allow the Removal of all the electrohydraulic components in total security.
- Load limiter able to signal the achievement of the Maximum load and to lock the movements when the lifting load overcomes the limit.
- The system is equipped with manual activations for the emergency descent in case of electric faulty.
- Electrohydraulic activation system with safety devices to avoid the accidental descent due to system faulty and pipes breakage.

TYPES OF TRANSLATION MOVEMENTS OF THE PLATFORM

Translation system manual or motorized of one or both axis, to adjust the tracks for the bogies correct position.

Safety laser scanner able to detect obstacles during the horizontal movement.

Wireless pendant control.

Implementation for 4.0 Industry.

Roll-up for compressed air tube.



WIRELESS.

Wireless pendant control.

LASER SCANNER

Safety laser scanner able to detect obstacles during the horizontal movement.



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