

# SPECIAL APPLICATIONS

## DESCRIPTION .

⇒ Throughout the history of railway construction, practice and specification in trackworks executions have demanded the manufacture of all type of special equipment, in order to solve and make profitable all setbacks and needs that may arise during the performance of railroad tasks. MAQUIVIAS provides in this field more than 35 years of technical and practical experience which is reflected in our tools and special applications, always in harmony with the constructor's requirements and the experience accumulated during our long trajectory. These special applications have been used on the *Spanish Railway Network* proving themselves to be the most efficient available on the market and are as follows:



## DUMPER WITH LIFTING DIPLORIES

It consists in the transformation of a Dumper Vehicle to be adapted to trackworks thanks to the addition of lifting diplories-wheels activated by means of hydraulic cylinders.

- Suitable for travelling over different track gauges.
- Traction: By means of the Dumper driving wheels over the rails.

## DISMOUNTABLE HOLDER-SPOOLS PLATFORM



- Railway platform for transport of electrification spools for replacements or installations catenary programs.
- Suitable for all track gauges
- Dimensions, capacities and number of holder-spools on
- Holder-spools with immobilizing braking system.
- Braking system (service and work-station) for being towed by railway-trucks or track-cars.
- Rolling and dampering system designed by Maquivias.

## SPECIAL APPLICATIONS

### LAND ROVER DEFENDER WITH LIFTING DIPLORIES



It consists in the transformation of a standard Land Rover into a railway vehicle, thanks to the addition of lifting diplories-wheels activated by means of hydraulic cylinders.

- ⇒ Traction: By means of the Land Rover driving wheels over the rails.
- ⇒ Suitable for travelling over different track gauges.

Vehicle Land Rover Defender, Model 110 TD5 with loading documented capacity.

### TRUCKS WITH LIFTING DIPLORIES



It consists in the transformation of a standard truck into a railway vehicle, thanks to the addition of lifting diplories-wheels activated by means of hydraulic cylinders.

Furthermore the truck can be transformed for railway's needs as follows:

- ⇒ Assembly of a lifting insulated platform with transversal movement for catenary replacement or maintenance.
- ⇒ Reversing gear and crane.
- ⇒ Bay for loading of trackwork materials.
- ⇒ Stabilizing cylinders.
- ⇒ Possibility of lightning at the worksite.
- ⇒ Possibility of towing platforms.

## SPECIAL APPLICATIONS

### RUCK WITH LIFTING WORK PLATFORM

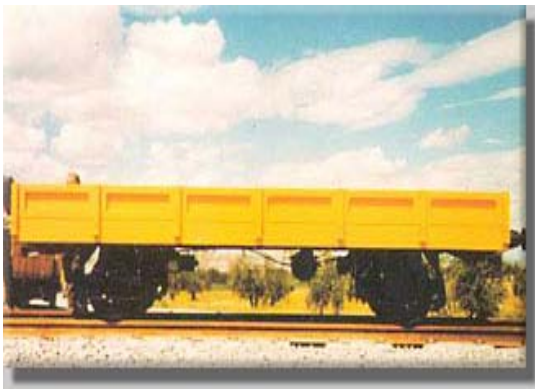


It consists in the transformation of a standard truck into a track-vehicle, which enables travelling either by a common road or over the running rails.

Furthermore the truck can be transformed for railway's needs as follows:

- ⇒ Assembly of a lifting insulated platform with transversal movement for catenary replacement or maintenance.
- ⇒ Reversing gear and crane.
- ⇒ Bay for loading track-work materials.
- ⇒ Railway cylinders and axles for travelling over the rails
- ⇒ Possibility of lightning at the worksite.
- ⇒ Possibility of towing platforms.

### WAGON FOR TRANSPORT



Railway platform for transport on track of tools and equipment. Dismountable and folding sideboards

- Suitable for travelling over different track gauges
- Dimensions and loading capacity on request
- Braking system (service and work-station) for being towed by railway-trucks or track-vehicles.
- Rolling and dampering system designed by Maquivias.

☞ The Maquivias railway applications are manufactured in a safe and competent manner in line with industry standards and all functions comply with the CE requirements.