Robel - great on track

Robel was founded in Munich in 1901 and is now located in Freilassing, Germany. The company is a specialist for railway transportation equipment and machinery in the areas of small machinery, work vehicles and special equipment. The company has more than 100 different products in its portfolio and supplies them to countries all over the world.

The agent for the United Kingdom and Ireland is Plasser UK. These two pages detail products approved for use in the UK with their Network Rail acceptance and PADS numbers, as well as other tried and tested products.

13.48 Railhead profile grinding machine
Cert No: PA05/05075
PADS No: 094/021162 (with GX 270 engine)

This machine is used for the true-to-form grinding of the railhead, e.g. for welding joints, build-up welds or the deburring of flat-bottomed rails. It enables precise working and light, ergonomic operation - only the grinding equipment is swivelled, not the entire machine. The grinding wheel is fed through an electric, free-from-play adjustment device. The operator has a full view on the grinding surface. Powered by either a 4-stroke petrol engine or an electric motor.

13.61 Switch grinding and deburring machine
Cert No: PA05/02595, PADS No: 094/007065

This machine is used for grinding build-up welds on switch blades, crossing frogs, stock rails and cheek rails. It may also be used for removing burns on railheads and switches. The grinding angle and the height of the grinding plate remain constant. The machine is powered either by a 4-stroke petrol engine or an electric motor.

34.01 Clipping machine
Cert No: PA05/02923, PADS No: 094/013046

This mobile clipping unit is used for the application and removal of rail clips in one work process. It is suitable for all commonly used clip fastenings that are mounted in a 90° angle towards the rail, particularly for Peco Fastclip systems. The switching of the work process, i.e. application or removal, is achieved by simply swivelling the patented tool without the need for any additional tools. The clipping head’s compact design makes it particularly suitable for use in third rail areas, enabling operations to be undertaken with the third rail still in place. An optional sleeping device is also available. The machine is powered by either a 4-stroke petrol engine, a diesel engine or an electric motor.

30.82 RKS universal power wrench
Cert No: PA05/04690, PADS No: 096/080005 (with GX 200 engine) PADS No: 096/077777 (with GX 270 engine)

The power wrench is used for fastening and loosening nuts and sleeper bolts as well as for all other wrenching operations on the track. Equipped with an electric multiple disc clutch for maximum endurance, the display enables the precise setting of the torque with a potentiometer on the control panel and a visual feedback to the operator. The wrenching process is started with the push of a button. An automatic termination of this process guarantees highest precision and protects from overload. Traversing trolley Optionally available. The machine is powered by an air-cooled 4-stroke petrol engine. The standard version of the power wrench is available as well (Cert No: PA05/04690, PADS No: 096/080003).

46.43, 46.45 and 46.50 Ratchet track jacks
Cert No: PA05/04209, Design 4 (long) PADS No: 094/010016, Design 4 (short) PADS No: 094/010015

The track jacks are used to lift and lower loads such as rails and track panels. They are of solid, rugged design with large, reinforced foot plates. The safety crank handle is foldable and equipped with a load pressure brake. Depending on the type, the track jacks can lift up to 2, 3 or 5 tonnes.

40.05 Rail lifting device
Cert No: PA05/03724, PADS No: 096/038012

This device is used for lifting and fixing rails using a hand lever. It can be used for different types of rails, e.g. S49, S54 and UIC 60 and to replace pads and grooved baseplates. The hand lever is equipped with a dead centre safety system. Maximum carrying capacity: 750kg.

62.05 Vertical hand tamper
Cert No: PA05/02593, PADS No: 094/012266

The rail pulling shoe is used for pulling rails in the ballast bed. It may be used with S49, S54 and UIC 60 rails up to a rail length of 180 metres. The shoe leaves no marks on the rail and can be used for drilled and undrilled rails.

46.58 Rail stressor
Cert No: PA05/04690, Design 2 (long) PADS No: 094/010172, Design 2 (short) PADS No: 094/010165

The rail stressor is primarily used during the welding of rails. It pulls, pushes or holds rails in neutral length during the welding process. The yokes are in bow-type design with lightweight metal hydraulic cylinders and may be mounted above or below the rail. The heaviest component weighs only 33kg. The stressor can be mounted quickly without the use of additional tools. It can be operated either with a hydraulic handpump or a hydraulic power pack.

80.45 Rail pulling shoe
Cert No: PA05/05751, PADS No: 094/012110

The rail pulling shoe is used for pulling rails in the ballast bed. It may be used with S49, S54 and UIC 60 rails up to a rail length of 180 metres. The shoe leaves no marks on the rail and can be used for drilled and undrilled rails.

10.40 Rail drilling machine
Cert No: PA05/04596, Design 1 (wide) PADS No: 097/02973 (wide roller)

This machine uses core drilling technology for all rail web drillings in the signaling and track construction sector. It requires only one operator and is operated with a manual feed. It has a drilling time of about 30 to 60 seconds, depending on the diameter and profile of the rail. It is equipped with a quick-action clamping device and a coolant reservoir with pressure pump. The coolant supply is led through a flexible spindel and drill. Universal clamping template for S49, S54 and UIC 60. Templates for other rail profiles on request. Powered either by a 4-stroke petrol engine or an electric motor.

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RAIL INFRASTRUCTURE