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 construction equipment and machinery, work vehicles and special equipment. The company has more than 100 different products in its portfolio and supplies these 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 Rail Head Profile Grinding Machine
Cert. No: PA05/05075  
PADS No: 094/001162

**TECHNICAL SPECIFICATIONS**
- **Drive**: 4-stroke petrol engine
- **Type**: Honda GX 270
- **Weight**: 99.5 kg
- **Weight outrigger**: 14 kg

**POWERFUL AND LIGHT-WEIGHT**
- Large grinding angle around the rail head
- Ergonomic guiding handle
- Increased grinding stroke for more clearance above the rail head
- Movable spark protection
- Optimal handwheel for the feed device
- Lengthened outrigger roll
- Rail guidance through guiding wheels

**Accessories**
- Dead man's handle

**Special equipment**
- Electronic depth stop to prevent hollow grinding of the rail surface

### 40.05 Rail Lifting Device
Cert. No: IP/SP-013-95

**TECHNICAL SPECIFICATIONS**
- **Weight**: 14 kg

**FOR LIFTING AND FIXING RAILS, E.G. S 49, S 54 AND UIC 60**
- Used for replacing pads and grooved base plates
- For all rail mountings used on DB (German Railways)
- Hand lever equipped with dead centre safety system

### 22.38 Hydraulic Rail Bender
Cert. No: PA/05/05062  
PADS No: 094/001123

**TECHNICAL SPECIFICATIONS**
- **Weight**: 11.5 kg

**DB approval (license) for tracks under repair and in service up to 160 km/h**
- Low weight due to aluminium design
- Changeable rail claws
- Easy operation in every working position

### 13.86 Rail Cutter
Cert. No: PA05/03894  
PADS No: 069/010018

**TECHNICAL SPECIFICATIONS**
- **Drive**: Air-cooled 2-stroke electric motor
- **Type**: Husqvarna 3122K 400 V, 50 Hz
- **Weight**: approx. 28.3 kg

**QUICK AND ECONOMICAL CUTTING OF RAILS OF HIGHEST TENSILE STRENGTH**
- Cutting of rails in one pass using the swiveled lightweight metal guiding frame – no need to change position
- A tension spring on the joint arm allows optimized weight compensation
- Electronic speed limitation
- Sparks are led past the operator
- Cutting discs Ø 300 and 350 mm (electric engine Ø 300 mm)

### 24.08 Rail Pulling Shoe
Cert. No: PA05/05751  
PADS No: 094/012110

**TECHNICAL SPECIFICATIONS**
- **Weight**: 38 kg

**FOR PULLING RAILS IN THE BALLAST BED**
- For rails S 49, S 54, UIC 60 up to a rail length of 180 m
- For drilled and undrilled rails
- No deformation on the rail surface
### TECHNICAL SPECIFICATIONS

**Weight**
- Basic unit: 198 kg
- Hand pump: 55 kg
- Hydraulic power pack: 67 kg

**HYDRAULIC, OBSTRUCTIONLESS RAIL STRESSOR FOR THE WELDING OF RAILS**
- For bracing work during welding and neutralising
- Quick mounting without tools
- Lightweight construction - heaviest component only 33 kg
- Parallel operation on both rails possible
- Comes with either a hand pump or an hydraulic power pack

### 25.16 Rail Carrying Roller

**Cert. No:** PA05/05309
- 25.16 (Standard) PADS No: 057/072972
- 25.16 (Wide) PADS No: 057/072973
- 25.16 (High) PADS No: 057/072974

**TECHNICAL SPECIFICATIONS**
- **Weight:** 7.3 kg

**FOR MOVING LONG WELDED RAILS**
- Sturdy steel design
- Maintenance-free ball-bearings

### 47.14 Obstructionless Track Jack – mechanical

**Cert. No:** IP/SP-013-95

**TECHNICAL SPECIFICATIONS**
- **Lifting capacity max.:** 7.5 t
- **Weight:** 15.5 kg

**FOR EASY AND EXACT LIFTING OF THE TRACK**
- Obstructionless design
- Quick lifting without load using the crank wrench
- Lifting of loads via socket wrench with T-handle
- Quick-action lowering device

### 30.82 RKS Universal Power Wrench

**Cert. No:** PA05/04690
- 30.82 PADS No: 069/080003
- 30.82 RKS (GX 200) PADS No: 069/080003

**TECHNICAL SPECIFICATIONS**
- **Drive:** air-cooled 4-stroke-petrol engine
- **Type:** Honda GX 200
- **Weight:** approx. 92 kg

**RKS, THE INNOVATIVE ROBEL CLUTCH SYSTEM**
- Maximum endurance, precision, ergonomics
  - Electric multiple disk clutch for maximum endurance
  - Electric control for exact adherence to set values
  - Display enables precise setting of torque potentiometer with the control panel and visual check by the operator
  - Two-gear transmission with spur wheels guarantees a high efficiency
  - Wrenching process is started with the push of a button. Automatic termination of the wrenching process guarantees highest precision and protects from overload
  - Steady wrenching behaviour and little wear of material due to articulated socked wrenches and frictionless revolving in case of inclined rail fastening

**Additional equipment**
- 31.82 Fish Bolt Spanner
- 86.12 Torque Meter for checking the torque when adjusting power wrenches

### 46.43, 45, 50 Ratchet Track Jack with Safety Crank Handle

**Cert. No:** PA05/04209
- 46.43 PADS No: 094/010015
- 46.45 PADS No: 094/010016
- 46.50 PADS No: 094/010017

**TECHNICAL SPECIFICATIONS**
- **Drive:** air-cooled 4-stroke-petrol engine
- **Type:** Honda GX 200
- **Weight:** approx. 92 kg
- **Type:** Hatz 1B30
- **Weight:** approx. 195 kg
- **Type:** air-cooled Diesel engine
- **Weight:** approx. 202 kg

**FOR MOUNTING AND DISMOUNTING RAIL FASTENINGS**
- Suitable for Pandrol FC Clip fastenings that are mounted and dismounted in a 90 degree angle towards the rail (e.g. Fastclip)
- Quick and easy switching between mounting and dismounting without switching the tools
- Powerful and precise hydraulic compact system
- Ergonomically designed and height-adjustable handle bars
- Well positioned centre of gravity and low weight

**FOR LIFTING AND LOWERING OF THE TRACK**
- Suitable for Pandrol FC Clip fastenings that are mounted and dismounted in a 90 degree angle towards the rail (e.g. Fastclip)
- Quick and easy switching between mounting and dismounting without switching the tools
- Powerful and precise hydraulic compact system
- Ergonomically designed and height-adjustable handle bars
- Well positioned centre of gravity and low weight
51.12 Light Track Trolley
Cert. No: PA05/04436
PADS No: 094/020056 (HOBK)

TECHNICAL SPECIFICATIONS
Max. carrying capacity 700kg
Weight 26 kg, Aluminium design

FOR TRANSPORTING DEVICES, TOOLS AND MATERIAL ON RAIL TRACKS
- Light-weight but sturdy transport trolley with perforated aluminium plates with a slip resistant platform
- No water or dirt accumulations
- Synthetic roller-bearing rollers
- Carrying handles at the sides
- Parking brake acting on two wheels
- Aluminium and steel design

68.05/4 Rail Clamp long and short
Cert. No: PA05/03891
PADS No: 094/001190

TECHNICAL SPECIFICATIONS
DB approval (license) for tracks under repair and in service up to 160 km/h
Weight 21.5 kg

FOR THE FORM-FITTING AND SECURE CONNECTION OF TWO RAIL ENDS
- The rail clamp is mounted directly at the rail joint by using two flat fish-plates (to be provided by the customer)
- Compact design
- For flat-bottomed rails S 49, S 54 and UIC 60 as well as for all similar rail profiles
- Safe usage
- Screw nut secured by safety plate
- User-friendly (some opening of spanner for mounting and safety screws)
- The rail enables an unhindered working of machines such as ballast regulators or tamping machines
- Minimum ballast excavation required, also suitable for most slab tracks
- Little maintenance required, even if the clamp remains on the track for a while
- Only one rail clamp needed per rail joint
- Licensed by the Deutsche Bahn AG

68.05/5 Rail Clamp short
Cert. No: PA05/03891
PADS No: 094/001191

TECHNICAL SPECIFICATIONS
DB approval (license) for tracks under repair and in service up to 160 km/h
Weight 11.5 kg

FOR THE FORM-FITTING AND SECURE CONNECTION OF TWO RAIL ENDS
- Wide variety of applications due to short, compact design.
- The rail clamp is mounted directly at the rail joint by using two flat fish-plates (to be provided by the customer); may also be used for aluminothermic welding by using cranked fish-plates (to be provided by the customer)
- Used in pairs
- Easy handling due to lightweight
- For flat-bottomed rails S 49, S 54 and UIC 60 as well as for all similar rail profiles
- Screw nut secured by safety plate
- User-friendly (same opening of spanner for mounting and safety screws)
- The rail clamp enables an unhindered working of machines such as ballast regulators or tamping machines
- Minimum ballast excavation required, also suitable for most slab tracks
- Little maintenance required, even if the clamp remains on the track for a while
- Licensed by the Deutsche Bahn AG

62.05 Vertical Tamper
Cert. No: PA/0505265
PADS No: 094/012262

TECHNICAL SPECIFICATIONS
Drive air-cooled 2-stroke- electric motor
Type Kawasaki TJ45E 400 V, 50 Hz
Weight 24.4 kg 24.9 kg

USER-FRIENDLY & HIGH LEVEL OF COMPACTION
- High usability: most sustainable tamper in the market with a very low level of vibration on the user's hands and arms
- High level of compaction for a high quality result
- Quick tamping process: under 2 minutes/sleeper
- Optimised work process, e.g. two units can be coupled with a rope. The resulting work principle is comparable to asynchronous tamping
- No damage to ballast or sleepers
- Approved for use by Deutsche Bahn AG

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