

SMALL PLANT AND EQUIPMENT FOR THE UK



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.

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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

13.61 Switch Grinding and Deburring Machine

Cert. No: PA05/02595
PADS No: 094/007065



TECHNICAL SPECIFICATIONS

Drive 4-stroke-petrol engine electric motor
Type Honda GX 200 400 V, 50 Hz
Weight 99 kg 110 kg

FOR GRINDING BUILD-UP WELDS ON SWITCH BLADES, CROSSING FROGS, STOCK RAILS AND CHECK RAILS

- Highest grinding quality – good view of grinding area
- Particularly wide working range
- Grinding angle set by clamp mechanism
- Smooth guiding due to dustproof friction bearings
- Power transmission via V-ribbed belt

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

DB approval (license) for tracks under repair and in service
up to 160 km/h
Weight 11,5 kg

FOR BENDING AND STRAIGHTENING FLAT BOTTOMED RAILS UP TO 60 KG/M AND GROOVED RAILS UP TO 55 KG/M

- 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- petrol engine electric motor
Type Husqvarna 3122K 400 V, 50 Hz
Weight approx. 28,5 kg 41 kg

QUICK AND ECONOMICAL CUTTING OF RAILS OF HIGHEST TENSILE STRENGTH

- Cutting of rails in one pass using the swiveled light-weight 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, S54, UIC 60 up to a rail length of 180 m
- For drilled and undrilled rails
- No deformation on the rail surface

24.70 Rail Stressor

Cert. No: PA/T029 (CTRL)



TECHNICAL SPECIFICATIONS

Weight

Basic unit	Hand pump	Hydraulic power pack
198 kg	55 kg	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

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 socketed 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

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

34.01 Clipping Machine

Cert. No: PA05/02593

PADS No: 094/013046



TECHNICAL SPECIFICATIONS

Drive

air-cooled 4-stroke-petrol engine

Rotary current motor

air-cooled Diesel engine

Type Honda GX 200 400 V, 50 Hz Hatz 1B30

Weight (incl. transverse travelling gear)

180 kg approx. 195 kg 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

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

Lifting capacity max. 3 t

Weight 24,5 kg

TO LIFT AND LOWER LOADS, E.G. RAILS, TRACK PANELS

- Solid, rugged design with large, reinforced foot plate
- Safety crank handle with load pressure brake and foldable handle

51.12 Light Track Trolley

Cert. No: PA05/04436
PADS No: 094/020056 (H0BC)



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

62.05 Vertical Tamper

Cert. No: PA/0505265
PADS No: 094/012262



TECHNICAL SPECIFICATIONS

Drive air-cooled 2-stroke- petrol engine 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

68.05/4 Rail Clamp long and short

Cert. No: PA05/03891
PADS No: 094/001190

68.05/4 Rail Clamp long



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 light weight
- 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

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