

ROSENQVIST RAIL

Product Catalogue 2024



CLIPPING MACHINES

SLEEPER HANDLING

RAIL TRAILERS

RAIL HANDLING

We design, manufacture, and sell equipment to streamline construction- and maintenance work of railways. Our smart solutions enhance productivity, reduce working hours, and improve safety for those working within the railway industry.

Contents

CD100 B	4
CD100	6
CD200 IQ	8
CD300 IQ / CD300 EC	10
CD400	12
CD400SP IQ	14
SB40	16
SB60	18
Auto Master	20
SG60	22
SL400/SL450/SL550/SL650/SL850	24
RT3230 / RT3235	26
RG2500, RG3000 RG4800	28



Three Decades of Railway Maintenance Innovation: A Legacy in Motion

Welcome to our product catalog, where innovation meets dedication. Founded in 1985 by Mr. Anders Rosenqvist, our journey began with a commitment to enhancing the efficiency of Swedish railways through maintenance services. Over nine years of meticulous growth, our founder envisioned a new chapter, one focused on transforming concepts into tangible products. Thus, in 1994, our company emerged, marking the beginning of a remarkable 30-year journey.

Our breakthrough came with the introduction of the Pandrol Fastclip rail fastening system, discovered during our sister company's endeavors in Norway. Recognizing the need for more efficient equipment, we pioneered the iconic 'Clip Driver 400,' revolutionizing track maintenance with its seamless clipping capabilities. Throughout the '90s, we expanded our offerings, diversifying into excavator attachments tailored for track maintenance tasks and converting excavators into Road Rail vehicles. This approach quickly gained traction across Scandinavia, setting a new standard for efficiency in the industry.

As we commemorate our 30th anniversary in 2024, we reflect on our legacy of innovation and commitment to elevating productivity in railway maintenance. Join us as we continue to shape the future of track maintenance with our cutting-edge products and solutions.

ROSENQVIST RAIL

Clip Driver CD100 B

Adding Value

CD100 B is an emission-free portable clipping machine designed for quick and easy clipping and declipping of the Pandrol Fastclip range.



The CD100 B clipping machine is designed for clipping and declipping Pandrol Fastclips. Compact and lightweight, it is suitable for use by a single operator and can be easily carried onto site.

The CD100 B is composed of three parts: a power pack and two clipping tools. As part of its ergonomic design, a weight-bearing wheel runs along the rail, dramatically reducing the physical strain on the operator. Although optimised for smaller clipping and declipping applications, the CD100 B is versatile and can be coupled quickly and easily to other equipment.

Powered by battery, this emission-free clipping machine is suitable for use in tunnels and stations and in densely populated areas where working safely with low noise and clean air is a priority.

TECHNICAL FEATURES

Compact

The powerful tool's small size means the CD100 B can be stored in the boot of a car and carried onto site by one person for quick intervention and reduced cost.

Ergonomic features

The CD100 B is equipped with an adjustable handle and a weight-bearing wheel that runs along the rail to reduce physical strain on the operator.



ADVANTAGES

- The CD100 B's compact, portable design means that it can be transported easily and used by a single operator, saving time and labour costs.
- The machine's ergonomic features, including adjustable handle, weight-bearing wheel and light weight, make it safer and more convenient for users.
- An environmentally-friendly, battery-powered tool with no exhaust smoke and reduced noise, the CD100 B makes a positive contribution to clean working environments.
- Because it is emission-free, it is suitable for use in tunnels, stations and densely populated areas.
- The CD100 B replaces the need for manual hand tools for small jobs, eliminating the risk of tools slipping and physical stress injuries.
- The tool has been designed to be extremely versatile. It can be coupled to other equipment and is strong enough to lift a sleeper up to 10mm.

COMPONENTS



1. High-power lithium-ion battery power pack
2. Ergonomic weight bearing wheel
3. Interchangeable clipping tool
4. Adjustable handle
5. Clipping tool for FC / FE / FCX
6. Unclipping tool for FE / FCX
7. Unclipping tool for FC / FCX (complete removal)

TECHNICAL DATA				
Description	CD100 B Power Unit	Clipping tool FC/FE/FCX	Unclipping tool FE/FCX	Unclipping tool FC/FCX (complete remove)
Pads / Arms	-	Included	Included	Included
Weight	19 kg (without battery)	24 kg	29 kg	24 kg
Height	400 mm	390 mm	450 mm	400 mm
Length	480 mm	580 mm	560 mm	560 mm
Width	260 mm	210 mm	371 mm	270 mm
Max working force	-	33,8 kN	23,9 kN	23,9 kN
Capacity	300 clipping operations	About 10 sleepers / min	About 10 sleepers / min	About 10 sleepers / min
Battery capacity	6 Ah - 82 V (included with charger)	-	-	-

Clip Driver CD100

Adding Value

CD100 B is a portable clipping machine designed for quick and easy clipping and declipping of the Pandrol Fastclip range.



The CD100 clipping machine is designed for clipping and declipping Pandrol Fastclips. Compact and lightweight, it is suitable for use by a single operator and can be easily carried onto site.

The CD100 is composed of three parts: a power pack and two clipping tools. As part of its ergonomic design, a weight-bearing wheel runs along the rail, dramatically reducing the physical strain on the operator. Although optimised for smaller clipping and declipping applications, the CD100 is versatile and can be coupled quickly and easily to other equipment.

This version is also available powered by battery, is suitable for use in tunnels and stations and in densely populated areas where working safely with low noise and clean air is a priority.

TECHNICAL FEATURES

Modular design

Designed with a quick connect interface, the patented CD100 comes in three modules: the power pack, the clipping tool and the declipping tool.

Made for Pandrol Fastclip

Compatible with Fastclip FC upto 1500 series of clips (15mm in diameter), Fastclip FE and FCX.

Compact

The powerful tool's small size means the CD100 can be stored in the boot of a car and carried onto site by one person for quick intervention and reduced cost.

Ergonomic features

The CD100 is equipped with an adjustable handle and a weight-bearing wheel that runs along the rail to reduce physical strain on the operator.



ADVANTAGES

- The CD100's compact, portable design means that it can be transported easily and used by a single operator, saving time and labour costs.
- The machine's ergonomic features, including adjustable handle, weight-bearing wheel and light weight, make it safer and more convenient for users.
- The CD100 replaces the need for manual hand tools for small jobs, eliminating the risk of tools slipping and physical stress injuries.
- The tool has been designed to be extremely versatile as it can be coupled to other equipment.

COMPONENTS

1. Power unit
2. Ergonomic weight bearing wheel
3. Interchangeable clipping tool
4. Adjustable handle
5. Clipping tool for FC / FE / FCX
6. Unclipping tool for FC / FCX (complete removal)



TECHNICAL DATA				
Description	CD100 Thermic Power Unit	Clipping tool FC/FE/FCX	Unclipping tool FE/FCX	Unclipping tool FC/FCX (complete remove)
Pads / Arms	-	Included	Included	Included
Weight	16 kg	24 kg	29 kg	24 kg
Height	400 mm	390 mm	450 mm	400 mm
Length	480 mm	580 mm	560 mm	560 mm
Width	260 mm	210 mm	371 mm	270 mm
Max working force	-	33,8 kN	23,9 kN	23,9 kN
Capacity	-	About 10 sleepers / min	About 10 sleepers / min	About 10 sleepers / min

Clip Driver CD200 IQ

Adding Value

Rosenqvist Rail's intelligent clipping machine, using an intuitive control system to simplify operation.



The Clip Driver CD200 IQ uses intelligent control systems to simplify operation. The new smart system can provide information on clips installed and number of operating hours, while also preventing incorrect use of the machine.

The modular, lightweight design of the CD200 IQ enables it to be lifted on and off track easily. Thanks to mechanical and hydraulic quick connectors, it is simple to change between the two clipping tools for Fastclip and e-Clip.

The CD200 IQ also has a patented built-in sleeper lift function, enabling the operator to lift low-lying sleepers of 50mm. It is powered using a new power pack and a Honda engine.

TECHNICAL FEATURES

Intelligent control system

The CD200 IQ has a new intuitive control system with a digital display that provides information (e.g. number of operating hours, clips installed).

Modular, lightweight design

The clip driver's modular, lightweight design means that it can be lifted on and off the track easily.

Mechanical and hydraulic connections

Mechanical and hydraulic quick connections are used to switch efficiently between the tools for Fastclip and e-Clip.

Clipping speed

The machine clips up to 20 sleepers per minute with Fastclip and up to 10 sleepers per minute with e-Clip.

Built-in sleeper lift function

Enables the CD200 IQ to lift low-lying sleepers of 50mm.

Engine

The clip driver is powered by a Honda petrol engine.

Safety

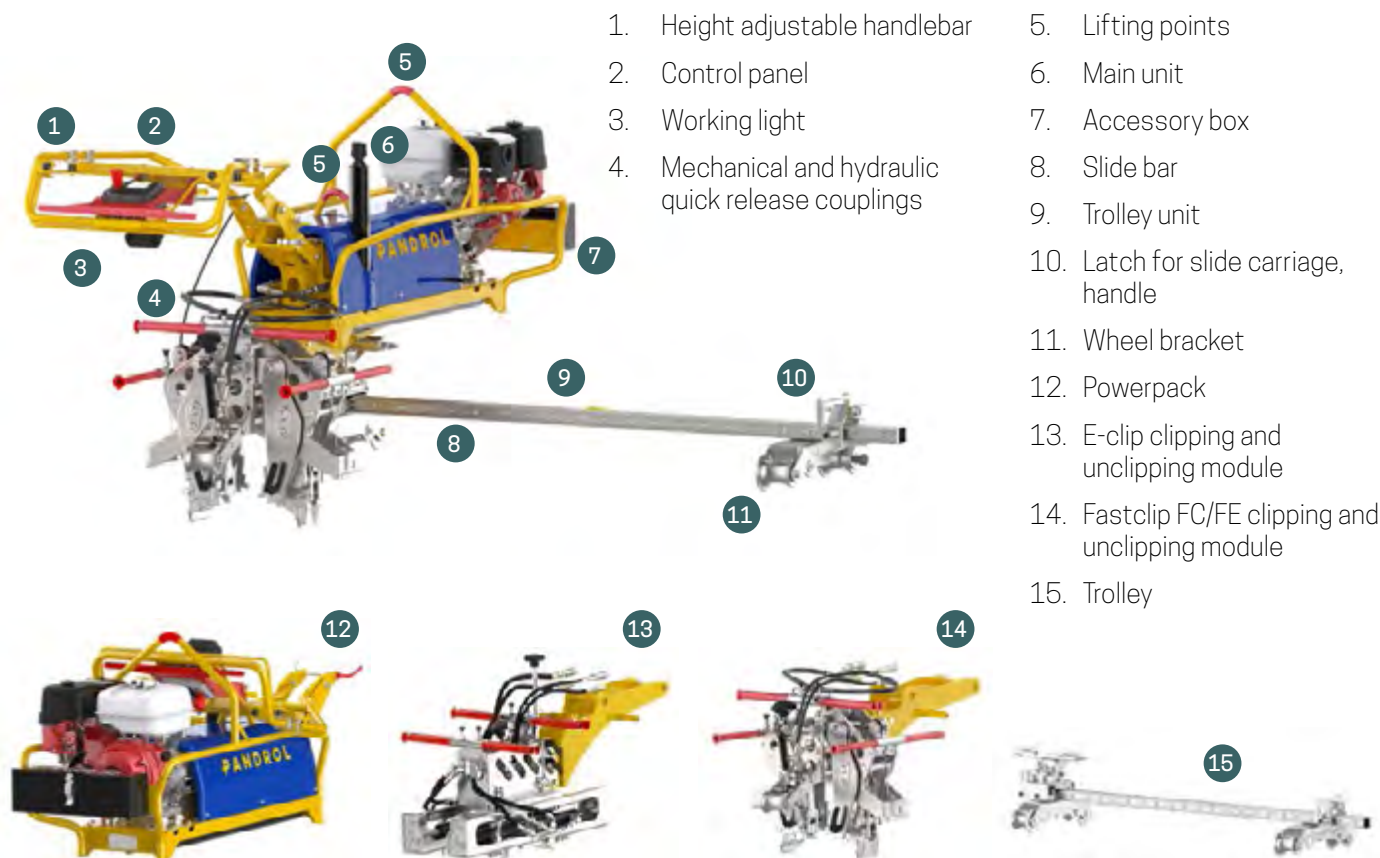
A fail-safe mechanical brake is available as an option.



ADVANTAGES

- The intelligent control system simplifies operations and prevents misuse of the machine.
- The control system logs data on the quantity of clips installed and number of operating hours, allowing the user to monitor their on-track efficiency.
- The CD200 IQ's modular design reduces the weight and lifting requirements for users, making it easier to set up on track.
- Mechanical and hydraulic quick connectors streamline the changeover between Fastclip and e-Clip tools, reducing downtime.

COMPONENTS



1. Height adjustable handlebar
2. Control panel
3. Working light
4. Mechanical and hydraulic quick release couplings
5. Lifting points
6. Main unit
7. Accessory box
8. Slide bar
9. Trolley unit
10. Latch for slide carriage, handle
11. Wheel bracket
12. Powerpack
13. E-clip clipping and unclipping module
14. Fastclip FC/FE clipping and unclipping module
15. Trolley

TECHNICAL SPECIFICATION		
Description	CD200 IQ Fastclip	CD200 IQ e-clip
Pads/arms	Fastclip	e-clip
Length	2202 mm	
Width	2111 mm	
Height	1142 mm	1103 mm
Weight power pack	103 kg	
Weight trolley	54 kg	
Weight tool	97 kg	115 kg
Track gauge	1000, 1067, 1435, 1520, 1570, 1600	
Clipping	2 clips per cycle	
Capacity	Up to 20 sleepers/min	Up to 10 sleepers/min
Inclination	1:20,1:30,1:40	
Insulation	Optional	
Brake	Option	
Sleeper lift	10-20 mm	

Clip Driver

CD300 IQ / CD300 EC



Clip Driver CD300 IQ is a high-production clipping machine designed to install Pandrol Fastclip FC and FE fastening systems. Clip Driver CD300 IQ EC is a version specially designed for e-Clip fastening system.

The machine's design is based on the proven technology of Rosenqvist Rail's Clip Driver CD400, with enhancements adding to its performance. Tools are folded up when not in use, eliminating the risk of collision with shoulders, fishplates and clips in the track. A newly designed intelligent control system monitors the machine's operation and actively controls the clipping operation.

Clip Drivers CD300 IQ and CD300 IQ EC has a quick adjustment for various rail heights and guiding rollers ensure it is centred on the track. Its low weight makes it suitable for use on smaller road-rail machines.

TECHNICAL FEATURES

Intuitive control system

Clip Drivers have a new intelligent control system with a display. It is easy to understand and available in different languages. It stores running data for follow-up and shows error codes.

Automated clipping speed

The control system measures the speed of the machine on the track and automatically adjusts the start of the clipping operation to get a perfect result and avoid damage to the machine and/or the track.

Raised tools

Tools are raised when not in use, eliminating the risk of collision with shoulders, fishplates and ballast. It is no longer necessary to remove the clipping pads on the tools when it is not used, which saves time in the track.

Guiding rollers

Guiding rollers ensure the Clip Driver is centred on the track.

Rapid height adjustment

The machine's height can be adjusted quickly and easily for various rail types by moving the position of a pin.

Lightweight design

Clip Drivers weigh less than 1000 kg and can be used with smaller road-rail machines from 6 tonnes upwards.

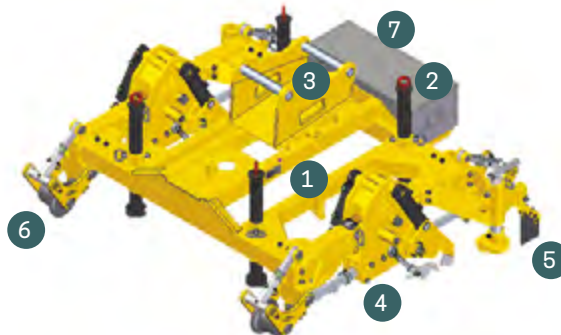
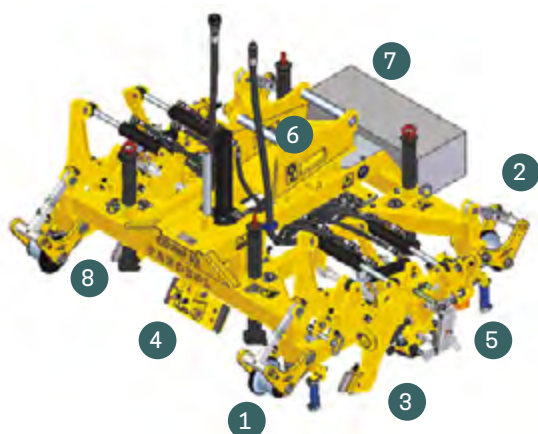
Proven technology

The machine's design is based on the same proven technology as Clip Driver CD400 (clipping tools and sleeper lift). As a result, it is robust and reliable and has reduced need for spare parts.



ADVANTAGES

- Clip Drivers intelligent control system makes the machine easy and intuitive to use. The error codes enable faster fault-finding.
- Automated control of the start of the clipping operation prevents faulty installation and damage to the machine and track.
- The machine's light weight makes it easier to lift on and off the track and means that it can be used with a wide range of road-rail machines.
- Risk of damage to the machine and track is further reduced because tools are raised when not in use. This also saves time.
- Quick height adjustment saves a great deal of time, particularly when using the machine on different rails.
- Clip Drivers are reliable and need few spare parts, making it a cost-effective option.



COMPONENTS CD300 IQ

- | | |
|-------------------------------|------------------------------|
| 1. Automatic system | 5. Guiding rollers |
| 2. Quick adjustment of height | 6. Machine interface bracket |
| 3. Foldable Fastclip tools | 7. Toolbox |
| 4. Sleeper lift | 8. Supporting legs |

COMPONENTS CD300 EC

- | | |
|------------------------------|----------------|
| 1. Identification plate | 5. Clipcatcher |
| 2. Supporting legs | 6. Railwheel |
| 3. Machine interface bracket | 7. Toolbox |
| 4. Clipping/De-clipping tool | |

TECHNICAL DATA		
Description	CD300 IQ	CD300 EC
Clip	FC and FE	e-Clip and PR clip
Clipping	4 clips per cycle	
De-clipping	4 clips per cycle	2 clips per cycle
Capacity	Up to 40 sleepers/min	Up to 20 sleepers/min
Width	2250 mm	
Length	1730 mm	
Height	1030 mm	
Weight	990 kg	840 kg
Wheels	Ø 125 mm	
Track gauge	1435 mm	

ACCESSORIES	
5014482	S45 bracket
5014954	S50 bracket
5015480	S60 bracket
On demand	Brackets for lift with forks
5015528	Bluetooth option (only fastclip)
On demand	Remote joystick

Clip Driver CD400



Rosenqvist Rail's Clip Driver CD400 is a robust, high-performance clipping machine that clips and unclips Pandrol Fastclips and e-Clips. When fitted with proximity sensors, the CD400 fastens clips automatically, enabling additional productivity and security.

Attached to a railroad vehicle (RRV) and equipped with a sleeper lift, the Clip Driver CD400 can be used to raise low ties for new construction (Fastclip only), harnessing hydraulic power from the RRV. The easily adjustable attachment has a durable frame structure that is fitted with high-quality bearings to ensure longevity and maintain performance levels.

TECHNICAL FEATURES

Versatility

The Clip Driver CD400 fits tools for Pandrol e-Clip, Fastclip, Fastclip FE and Deenik and is adjustable for most common track gauges.

Automatic functions

With the option of being fitted with proximity sensors, the CD400 has an intuitive control panel that can be used to fasten clips automatically.

Guiding rollers

Guiding rollers centre the machine in work mode for impressive precision and productivity. Up to 40 Fastclip ties can be clipped per minute.

Attachment to RRV

The CD400 can be connected to a 13-ton carrier machine using an easily adjustable attachment. It then draws on hydraulic power from the RRV to lift sleepers.

Safety features

The Clip Driver has covers and mechanical stop arms to prevent pinch injuries and clips detaching.

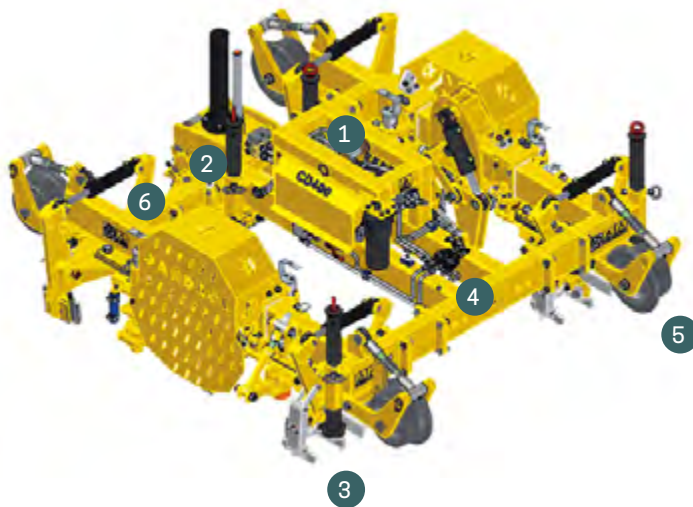
Robust construction

For extra-long life, the Clip Driver CD400 has a durable frame structure and is equipped with high-quality, tapered roller bearings.



ADVANTAGES

- Automation options and a user-friendly remote control panel ensure the machine is simple and intuitive to use.
- The CD400 is extremely efficient. With its guiding roller ensuring precision and productivity, the machine can clip up to 40 ties per minute.
- Covers and mechanical stop arms eliminate the risk of pinch injuries and prevent clips flying off, increasing the safety of operators.
- The machine is constructed from high-quality parts, reducing the requirement for maintenance, increasing longevity and saving time and money over the course of its life.
- Suitable for use with Pandrol e-Clip, Fastclip, Fastclip FE and Deenik, and adjustable for most common track gauges, the Clip Driver CD400 offers a versatile clipping option.
- The Clip Driver CD400 is a reliable, robust machine that gets the work done.



COMPONENTS

1. Machine bracket
2. Support legs
3. Clipping Tools
4. Frame
5. Wheel
6. Sleeper lift

TECHNICAL DATA	
Clip Driver CD400 (Basic)	
Clipping	FE / FC / e-Clip / PR401
Clip offset	Yes
Capacity	Up to 40 sleepers per minute
Movement	Railroad vehicle attachment
Power	Hydraulic
Track gauge	1,435mm
Sleeper lift	90mm
Wheels	Ø 250mm
Dimensions (l x w x h)	2,500mm x 2,100mm
x 1,030mm (9.8in)	
Weight	1,400kg with tools for clipping and declipping of Pandrol Fastclip and sleeper lift

ACCESSORIES	
5001021S	Clipping tools e-Clips standard
5002484S	Safety cage
5006362S	Safety cage for offset tool
5002775S	Declipping tool e-Clips
5004661S	Clipping/declipping tool offset clips
5007295	e-Clip shoe offset
5003290	e-Clip shoe standard
5003280	e-Clip shoe
5006717	Spacer 56 mm e-Clip offset/standard
5003090	PR 400 series
5003248	S45 machine bracket
5003463	S60 machine bracket
On request	Universal bracket
5006510	For fitting the machine in a boom or equivalent

Clip Driver CD400SP IQ



The CD400SP IQ is our second generation walk-behind clipping machine, following the original reliable CD400SP.

This robust and efficient self-propelled machine now has an EU Stage 5 diesel engine from Hatz and a new intelligent control system.

The CD400SP IQ logs the machine's operational history so the owner can see the running hours and number of clips installed, whilst also monitoring the error log. The machine installs 4 clips simultaneously across two rails and has a sleeper lift function for new construction projects. The maneuvering unit is now cordless to be more flexible for the operator.

TECHNICAL FEATURES

Compatible with a broad range of Pandrol clips

Suitable for use with the Pandrol Fastclip, the Pandrol e-Clip, and Pandrol PR-Clips (PR400 Series) there are a wide range of options for automatic clipping.

Whisper quiet operation

Operating at 78.5 decibels (at 1 metre) at full throttle, the CD400SP IQ is easily drowned out by ambient traffic noise (80Db).

Rosenqvist Rail-quality systems

A reliable and robust machine that gets the work done. With Rosenqvist Rail quality machinery, a reduced requirement for maintenance saves you time and money.

Transport mode

The machine can be lifted up into a transport mode to prevent collision with sleepers and shoulders.

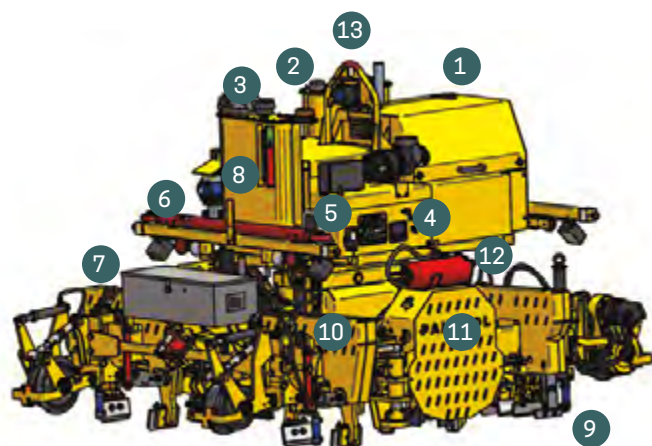
Hydraulic system

Load sensing system that reduces the oil temperature and improves the life cycle of components.



ADVANTAGES

- The EU Stage 5 diesel engine increases fuel efficiency, reduces emissions, and dramatically reduces noise.
- Proximity sensors and automatic clipping function simplify the operation and help the operator to optimize the production rate.
- Rosenqvist Rail's guiding rollers centre the machine in work mode for impressively precise work.
- Uses a wireless control panel



COMPONENTS

- | | |
|-----------------------------|---|
| 1. Motor / engine | 9. De-clipping tool Fastclip |
| 2. Diesel fuel tank | 10. Clipping tool Fastclip |
| 3. Hydraulic oil tank | 11. E-clip module with de-clipping tool |
| 4. Display | 12. Fire extinguisher (option) |
| 5. Manual operation levers | 13. Lifting point |
| 6. Tow bar | |
| 7. Toolbox | |
| 8. Emergency operation pump | |



TECHNICAL SPECIFICATION

Description	Clip Driver CD400SP IQ
Length	3220 mm
Height	From top of rail 1830 mm - work Total when parked alongside track w2110 mm - transport
Width	2290 mm
Weight	3075 kg total weight with tools for clipping and declipping Pandrol Fastclip, sleeper lift and guiding rollers.
Track gauge	1000 mm, 1067 mm, 1435 mm, 1520 mm, 1600 mm (others on request)
Rail wheels U/C	S1002 - profile Ø 250 mm
Clipping / Declipping	4 clips per cycle
Sleeper lift	Grip force, sleeper 1200 - 12000 Kp Lifting force 350 - 3500 Kp. Lifts low laying sleepers of 90 mm
Electrical system	24 V
Hydraulic system	LS system Maximum 200 bar
Engine	Hatz diesel type 3H50T - 70 litres tank
Hydraulic tank	70 litres
Braking distance	Max 5 m
Noise at 1 meter	Full throttle front 78,5 dB (A), Full throttle right 77 dB (A), Full throttle rear 75 dB (A), Full throttle left 6 dB (A)

Sleeper Replacer SB40

Adding Value

Increases safety by reducing the number of people needed to carry out clipping during re-sleeper operations.



SB40 and Sleeper Replacer are designed to replace sleepers safely and efficiently.

The SB60 has innovative tilt and rotate functions that allow sleepers to be changed from both the middle and the side of the track. The SB40 provides the same cost-effective, safe solution, but has been designed specifically for smaller carrier machines (weighing 8 to 12 tons) that are equipped with a permanently fitted tilt rotator. It is approximately half the weight of the SB60.

Both attachments can be combined with Rosenqvist Rail's Auto Master clipping attachment for swift, safe installation of Pandrol's FC and FE Fastclips on new sleepers.

TECHNICAL FEATURES

Single versatile attachment

The SB40 and SB60 Sleeper Replacers dig out, remove and replace sleepers using a single attachment.

Compatibility

The Sleeper Replacers are compatible with most types of sleepers and are available in various track gauges.

Tilt and rotation

The SB60 Sleeper Replacer can be tilted and rotated, allowing sleepers to be changed from both the middle and side of the track.

Compact design

The Sleeper Replacers are compact in design and the SB40 is particularly lightweight.

Attachments

Several accessories are available for the Sleeper Replacers, including the Auto Master for automatic clipping, a bucket attachment for removing ballast, and a bucket attachment for wet spots.



ADVANTAGES

1. Rosenqvist Rail's Sleeper Replacers are high-performance machines that increase productivity and save time.
2. Because the Sleeper Replacers can dig out, remove and replace the sleeper with one attachment, they offer a simple, cost-effective option.
3. Fewer people are needed on track to carry out sleeper replacement, improving safety.
4. When fitted with an Auto Master attachment, the Sleeper Replacers can also be used for fast, efficient installation of Pandrol's FC and FE Fastclips.
5. The SB60's innovative tilt and rotate functions create maximum flexibility, allowing sleepers to be changed from both the middle and side of the track.
6. Because the blade remains stationary and only the grapple rotates, the SB60 is suitable for use in limited spaces such as station platforms and tunnels.
7. The SB40 has been designed specifically to be lightweight and is the ideal choice for smaller carrier machines weighing 8 to 12 tons.



COMPONENTS

1. Dozer Blade
2. Adjustable rollers for different rail and sleeper types
3. Sleeper grab

TECHNICAL SPECIFICATION	
Description	SB40
Gauge	1435 mm
Length	1370 mm
Height	1035 mm
Width	2590 mm
Weight	530 kg
Rail type	60 kg/m, 50 kg/m
Blade width	2590 mm
Clamping force	1400 kg

ACCESSORIES	
Auto Master	For automatic clipping of Pandrol's FC and FE Fastclips
Bucket Attachment	For removing ballast
Bucket Attachment	For wet spots

Sleeper Replacer SB60

Adding Value

Increases safety by reducing the number of people needed to carry out clipping during re-sleeper operations.



Rosenqvist Rail's SB60 Sleeper Replacers are attachments designed to replace sleepers safely and efficiently.

The SB60 has innovative tilt and rotate functions that allow sleepers to be changed from both the middle and the side of the track. The SB40 provides the same cost-effective, safe solution, but has been designed specifically for smaller carrier machines (weighing 8 to 12 tons) that are equipped with a permanently fitted tilt rotator. It is approximately half the weight of the SB60.

Both attachments can be combined with Rosenqvist Rail's Auto Master clipping attachment for swift, safe installation of Pandrol's FC and FE Fastclips on new sleepers.

TECHNICAL FEATURES

Single versatile attachment

The SB40 and SB60 Sleeper Replacers dig out, remove and replace sleepers using a single attachment.

Compatibility

The Sleeper Replacers are compatible with most types of sleepers and are available in various track gauges.

Tilt and rotation

The SB60 Sleeper Replacer can be tilted and rotated, allowing sleepers to be changed from both the middle and side of the track.

Compact design

The Sleeper Replacers are compact in design and the SB40 is particularly lightweight.

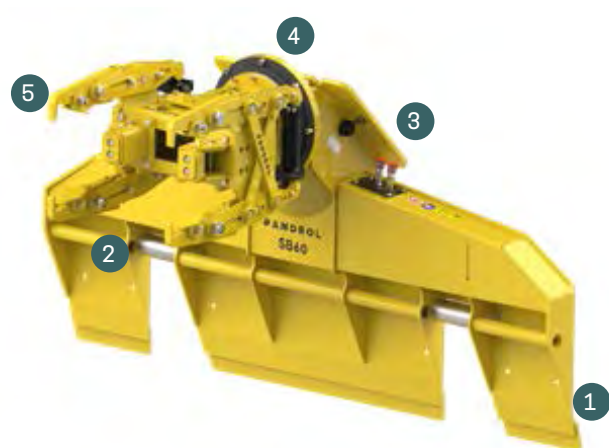
Attachments

Several accessories are available for the Sleeper Replacers, including the Auto Master for automatic clipping, a bucket attachment for removing ballast, and a bucket attachment for wet spots.



ADVANTAGES

1. Rosenqvist Rail's Sleeper Replacers are high-performance machines that increase productivity and save time.
2. Because the Sleeper Replacers can dig out, remove and replace the sleeper with one attachment, they offer a simple, cost-effective option.
3. Fewer people are needed on track to carry out sleeper replacement, improving safety.
4. When fitted with an Auto Master attachment, the Sleeper Replacers can also be used for fast, efficient installation of Pandrol's FC and FE Fastclips.
5. The SB60's innovative tilt and rotate functions create maximum flexibility, allowing sleepers to be changed from both the middle and side of the track.
6. Because the blade remains stationary and only the grapple rotates, the SB60 is suitable for use in limited spaces such as station platforms and tunnels.
7. The SB40 has been designed specifically to be lightweight and is the ideal choice for smaller carrier machines weighing 8 to 12 tons.



COMPONENTS

1. Doozer Blade
2. Adjustable rollers for different rail and sleeper types
3. Tilt function (optional)
4. Continuous rotation
5. Sleeper grab

TECHNICAL SPECIFICATION			
Description	SB60 STD	SB60 SKR	SB60 SKR Automaster
Gauge	1000, 1067, 1435, 1520, 1600		
Rail type	60 kg/m, 50 kg/m		
Clamping force	1400 kg		
Length	1684 mm		
Height	1564 mm		
Width			
Gauge 1000	2240 mm		
Gauge 1067	2305 mm		
Gauge 1435	2672 mm		
Gauge 1520	2755 mm		
Gauge 1600	2840 mm		
Weight			
Gauge 1000	945 kg	985 kg	1245 kg
Gauge 1067	1030 kg	1070 kg	1290 kg
Gauge 1435	1075 kg	1115 kg	1335 kg
Gauge 1520	5095 kg	1135 kg	1355 kg
Gauge 1600	1110 kg	1150 kg	1370 kg

ACCESSORIES	
Auto Master	For automatic clipping of Pandrol's FC and FE Fastclips
Bucket Attachment	For removing ballast
Bucket Attachment	For wet spots

Auto Master

Adding Value

Increases safety by reducing the number of people needed to carry out clipping during re-sleeper operations.



Rosenqvist Rail's Auto Master has been developed for use when installing Pandrol FC and FE Fastclip products as part of re-sleeper operations. A carrier-mounted attachment, it is available as an accessory for the Sleeper Replacers SB40 and SB60.

The Auto Master enables clipping to take place automatically, as part of a seamless process. With six to eight fewer people required on track to perform the operation, the machine has a major impact on site safety.

Self-centring and with a high working capacity, the Auto Master is an excellent choice for simplifying and accelerating re-sleeper operations on all standard varieties of rails and sleepers

TECHNICAL FEATURES

Automation

The Auto Master installs clips automatically, controlled by the machine's operator from the cab of the carrier machine. New sleepers are clipped onto the rail at the press of a button.

High working capacity

The Auto Master can clip approximately 20 to 30 sleepers an hour.

Clip compatibility

The machine can be adjusted to accommodate a range of different clip assemblies, including Fastclip FC and FE, and Safelok I and III.

Energy use

The machine is hydraulic and requires no extra power from the carrier machine.

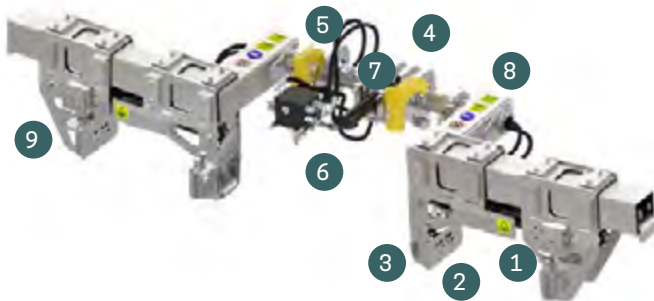
Carrier-mounted attachment

The Auto Master is available as an attachment for the Sleeper Replacer SB40 (the unit weighs 220kg) and for the SB60 (weighs 260kg).



ADVANTAGES

- The Auto Master is extremely easy to use, enabling new sleepers to be clipped onto the rail at the press of a button.
- With an hourly capacity of approximately 20 to 30 sleepers, the machine improves the rate of operation.
- The machine is versatile and can be used for all standard varieties of rails and sleepers, as well as a range of different clip assemblies.
- The Auto Master is a cost-effective option because it minimises the number of people needed for clipping during re-sleeper operations.
- As a result, it also increases site safety by reducing the number of people on track



COMPONENTS

- | | |
|---|--|
| 1. Clipping cylinder | 7. Mounting plate |
| 2. Clipping pad
Adjustable height +20mm | 8. Adjustable stop with
spring damping (2X) |
| 3. Support roller
Adjustable height +20mm | 9. Block for setting clamp
measure |
| 4. Bracket
Gradually adjustable in
height +25mm | |
| 5. Stop and transport lock
(bolt) | |
| 6. Turn cylinder | |



TECHNICAL DATA		
Description	Auto Master SB40	Auto Master SB60
Dimensions	40mm x 2530mm x 495mm	540mm x 2530mm x 500mm
Weight	220 kg	260 kg
Maximum rail height	213mm	213mm
Maximum tool grapple opening over rail	610mm	610mm
Installation force	40kN (190 bar)	40kN (190 bar)

Sleeper Grabber SG60



Rosenqvist Rail's Sleeper Grabber SG60 is a high-performance tool for heavy-lifting track procedures.

The Sleeper Grabber has been specifically developed to handle sleepers and rail sections efficiently. By avoiding damage to sleepers, it facilitates their reuse.

The Sleeper Grabber's design is based on Rosenqvist Rail's Sleeper Replacer SB60, which has a time-tested track record for reliability.

TECHNICAL FEATURES

Fast operation

The Sleeper Grabber SG60 can handle both sleepers and rail in the same set-up, increasing productivity.

Interchangeable arms

Interchangeable grab arms enable the SG60 to accommodate different types of sleepers.

Secure grip

The machine's secure grip minimises the risk of damage to sleepers during maintenance, enabling their reuse.

Hydraulics

The Sleeper Grabber SG60 requires one double-acting hydraulics outlet (two hoses).

Safety features

The Sleeper Grabber has been designed with safety in mind – workers do not have to put their hands near the sleepers/grip.



ADVANTAGES

- The Sleeper Grabber SG60 streamlines the complex sleeper handling procedure, lifting both sleepers and rail sections.
- Secure and gentle handling of sleepers means more can be reused during maintenance, reducing wast.
- Track workers' safety is increased as they do not need to put their hands near the sleepers/grip when using the Sleeper Grabber SG60.
- Based on Rosenqvist Rail's time-tested Sleeper Replacer SB60, the Sleeper Grabber is a reliable, cost-effective option.



COMPONENTS

1. Machine bracket
2. Gripping cylinder
3. Gripping arm

TECHNICAL DATA	
Description	SG60
Machine bracket	Type S45, S60
Weight	305kg
Height	1128mm
Width	540mm
Hydraulics required	One double-acting outlet (two hoses)
Clamp force	1400kg
Rail type	European standard 60kg/m, 50kg/m

Sleeper Layer

SL400/SL450/SL550/SL650/SL850



Rosenqvist Rail's range of carrier-mounted Sleeper Layers achieve fast, accurate sleeper laying and spreading, with an easily adjustable tool designed to fit most kinds of sleepers. The SL400 can handle four sleepers simultaneously, while the SL850 can handle up to eight at a time.

A telescopic frame makes the Sleeper Layers compact and safe to operate. A unique, patented linkage system ensures that the centre of gravity does not change during sleeper spreading. The SL400 and SL450 work in hydraulic sequence and no electricity is required on the carrier machine.

TECHNICAL FEATURES

Telescopic frame

A telescopic frame structure makes the Sleeper Layers compact and easy to manoeuvre safely.

Easy-to-change components

Quick-change gripping claws make changing components quick, simple and safe..

Compatibility

The Sleeper Layers are prepared for both rotator and rototilt and can be easily adjusted to fit most types of sleepers.

High-speed installation

When operated by a fully-trained, skilled operator working under optimal conditions, the Sleeper Layers can cover from 60 to 80 metres per hour (the SL400) to 120 to 150 metres per hour (the SL850)..

Precision gauging hydraulic system

A precision gauging hydraulic system ensures the correct placement of sleepers, which can be set at 300–750mm. No electricity is required on the carrier machine.

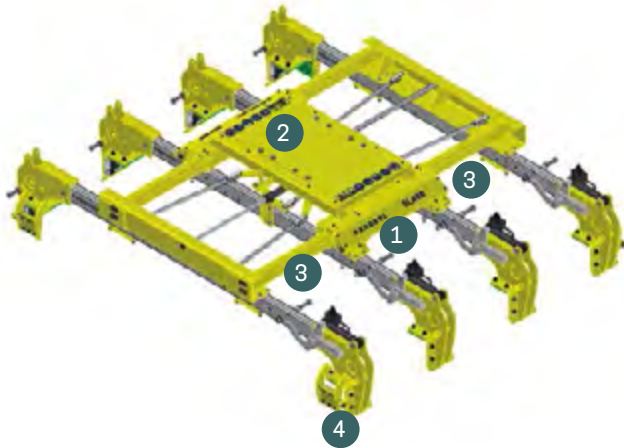
Linkage system

A linkage system ensures that the Sleeper Layer's centre of gravity does not change during sleeper spreading.



ADVANTAGES

- Rosenqvist Rail's Sleeper Layers achieve a high output of sleeper laying, from 60 to 150 metres per hour (dependent on the model).
- A precision gauging hydraulic system enables the accurate placement of sleepers.
- The Sleeper Layers' unique linkage system ensures their centre of gravity does not change while spreading sleepers.
- The attachments are compact and easy to manoeuvre safely.
- Easy-to-change components increase efficiency and save time.
- Unlike similar tools, there is no risk of the unit hanging over adjacent track when grabbing sleepers from a rail cart.



COMPONENTS

1. Fixed frame
2. Installation plate
3. Telescopic frame
4. Grapple arms

TECHNICAL DATA					
Description	SL400	SL450	SL550	SL650	SL850
Number of sleepers (Max)	4 pcs	4 pcs	5 pcs	6 pcs	8 pcs
Length	1000 - 2585 mm	1120 - 2640 mm	1790 - 3770 mm	2000 - 4475 mm	2800 - 6015 mm
Height - Standard	655 mm	780 mm	945 mm		
Height with tilt rotator	N/A		1400 mm		
Height with tilt rotator & bracket (150 mm)	N/A		1550 mm		
Width standard gauge	2 705 mm	Min. 2 855 mm			
		Max. 3170 mm			
Width broad gauge	N/A		Min. 2965 mm		
			Max. 3335 mm		
Weight	820 kg w/o rotator/ tilt rotator	1060 kg w/o rotator/ tilt rotator	1595 kg w/o bracket 1670 kg w bracket 1870 kg w tilt rotator and bracket	1860 kg w/o bracket 1935 kg w bracket 2210 kg w tilt rotator and bracket	2350 kg w/o bracket 2425 kg w bracket 2700 kg w tilt rotator and bracket
Lifting capacity	Max. 1250 kg	Max. 1800 kg	Max. 2250 kg	Max. 2700 kg	Max. 3600 kg
Sleeper distances	750 mm (29.5 in)	750 mm (29.5 in)	762 mm (30 in)	762 mm (30 in)	762 mm (30 in)
Sleeper lengths	Per request	STD: 2490-2800 mm	STD: 2410-2800 mm	STD: 2410-2800 mm	STD: 2410-2800 mm
		Narrow: 2220-2530 mm	Narrow: 2145-2530 mm	Narrow: 2145-2530 mm	Narrow: 2145-2530 mm
		Broad: 2490-3000 mm	Broad: 2410-3000 mm	Broad: 2410-3000 mm	Broad: 2410-3000 mm
Performance: any suitably excavator	Up to 60m/h	Up to 60m/h	Up to 90 m/h	Up to 110 m/h	Up to 150 m/h
Performance: any suitably front end loader	Up to 40m/h	Up to 40m/h	Up to 60 m/h	Up to 75 m/h	Up to 100 m/h

Rail Trailers

RT3230 / RT3235



Rosenqvist Rail's Rail Trailers RT3230 and RT3235 are designed to transport materials and equipment between railway work sites.

Suitable for towing by a railroad vehicle, with a tow bar and a parking/emergency brake, Rosenqvist Rail's Rail Trailers provide a safe method of moving goods between work locations.

TECHNICAL FEATURES

Safety features

Rosenqvist Rail's Rail Trailers are equipped with lights and a parking/emergency brake to increase operator safety.

Durable tow bar

A durable tow bar is fitted as standard.

Removable panels

The Rail Trailers have removable panels that allow for easier loading and unloading.

Lifting features

Safer lifting is enabled by integrated lifting ears in each corner and rectangular pipes underneath the Rail Trailers' flatbed.

Stakes

Stakes for holding cargo are included with the RT3230 model.

Lightweight version

The Rail Trailer RT3235 has been engineered as a lighter weight alternative to the RT3230.

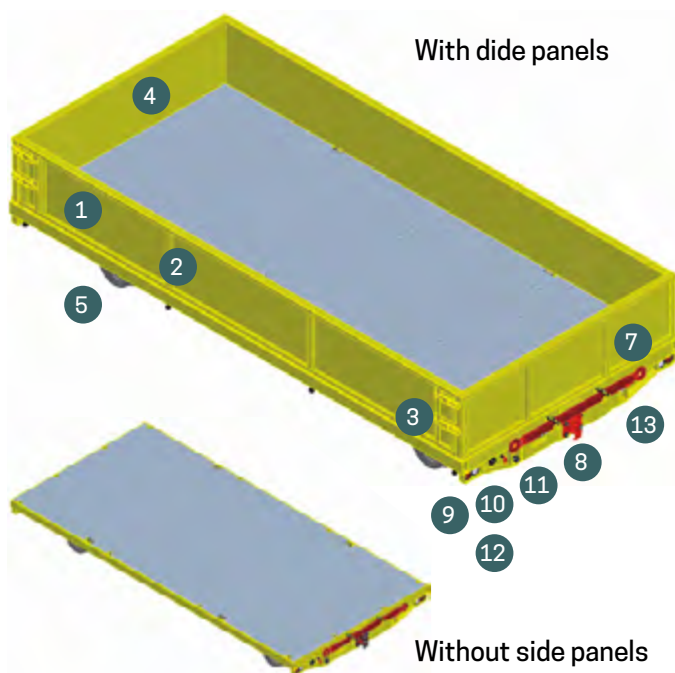


ADVANTAGES

- Rosenqvist Rail's Rail Trailers are strong, robust and durable, making them a cost-effective, long-lasting solution.
- They come in two sizes, with high loading capacities to cover most requirements.
- Lights and a parking/emergency brake increase operator

safety on site.

- Removable side panels allow for ease of loading and unloading.
- The Rail Trailers streamline strenuous track maintenance and transportation tasks.



COMPONENTS

- | | |
|---------------------------------|----------------------|
| 1. Side panels | 7. Towing bar |
| 2. Stakes | 8. Towing attachment |
| 3. Side panel lock | 9. Volt meter |
| 4. Front/rear panel | 10. Main switch |
| 5. Rail wheels (w brakes) | 11. Servo pressure |
| 6. Direction lights (white/red) | 12. Lights switch |
| | 13. Battery charging |

TECHNICAL DATA				
Description	RT3230	RT3230	RT3235	RT3235
Side panels	Yes	No	Yes	No
Weight	2685kg	2295kg	820kg	700kg
Length	5500mm	5500mm	2500mm	2500mm
Width	2560mm	2560mm	1800mm	1800mm
Loading height	5500mm	5500mm	2500mm	2500mm
Gauge	1435mm	1435mm	1435mm	1435mm
Loading capacity	17000kg	17000kg	3500kg	3500kg

Rail Tongs

RG2500, RG3000 RG4800



Rail Tongs are used to install and maintain continuous welded rail (CWR). The Rail Tongs clip automatically onto the rail being moved and are designed to be fastened to all types of hauling and rail removal equipment.

Three models are available: RG2500, RG3000 and RG4800.

The RG2500 rail grip model, which has an integrated towing support welded onto the side, enables rails to be towed.

The RG3000 has two towing supports and is compliant to AREMA requirements.

The RG4800's four-roller grip design is specifically intended to help prevent damage to rail sections that need to be removed or moved as a single, unified section of rail. Its rolling design enhances overall reliability and minimises potential points of failure. Its high-quality cam bearings are built to last.

TECHNICAL FEATURES

Automatic clipping

The tongs automatically clip onto the rail, minimising the risk of damage. This unique design also makes it easy to apply and remove.

Towing Rail

The RG2500 allows the towing of rails due to the towing support welded onto the side of it. When towing rails, turn the support in the towing direction.

Efficient handling of long rails

When replacing rails on an existing track, the RG2500 and RG3000 tool can be used to both remove the old rails and roll the new ones into position. While being lightweight and easy to use, it offers the same power as more traditional alternatives.

Manoeuvrability

When using the roller grip RG4800, the rails only need to be raised very slightly off the ground to enable a proper grip. This uses the weight of the rails themselves, while allowing them to be moved sideways at the same time.

Lightweight and portable

The rail grip are made of high-tensile Swedish steel, with a minimal number of moving parts. As a result, the RG2500 and RG3000 Rail Grip are extremely lightweight, making it easier to move to and from site.

Durability and testing

With high-quality, reliable components, the RG4800 requires very little maintenance throughout its life. It has been tested thoroughly and is supplied with CE certification.



ADVANTAGES

- The rail tongs are designed for fast and easy sideways positioning of rails and enables them to be handled smoothly and safely.
- Automatic clipping allows for quick and easy fixing to the rail and minimises the risk of damage.
- Made of high-tensile Swedish steel, the rail tongs are lightweight and portable, easy to move on and off site.
- The rail tongs are compatible for use with all types of hauling and rail removal equipment.
- As a tool it is robust, long-lasting and requires minimal maintenance. As a result, it is more cost-effective than other rail handling systems.



COMPONENTS

RG2500

1. Lifting eye
2. Towing support

RG3000

3. Lifting eye
4. Towing support

RG4800

5. Lifting frame
6. Lifting arm
7. Shackle
8. Cam bearing complete

TECHNICAL DATA			
Description	RG2500 Rail Grip	RG3000 Rail Grip	RG4800 Roller Grip
Weight	5kg (11lb)	7,1 kg (15.7lb)	28kg (62lb)
Maximum load	2500kg (5510lb)	3000kg (6614lb)	4800kg (10580lb)
Height	270mm (10.6in)	270mm (10.6in)	335mm (13.2in)
Width	160mm (6.3in)	160mm (6.3in)	310mm (12.2in)
Application rail type	50 E3, 50 E4, 60 E1, 56 E1	132RE, 136RE, 141RE, TR68	Vignol Rail
Surface treatment	Linseed oil	Linseed oil	Solid Paint RAL1004 Yellow



Rosenqvist Rail AB
Hyggesvägen 5
824 35 Hudiksvall
Sweden

Contact:
rosenqvistrail.se
info@rosenqvistrail.se
+46 650 165 05