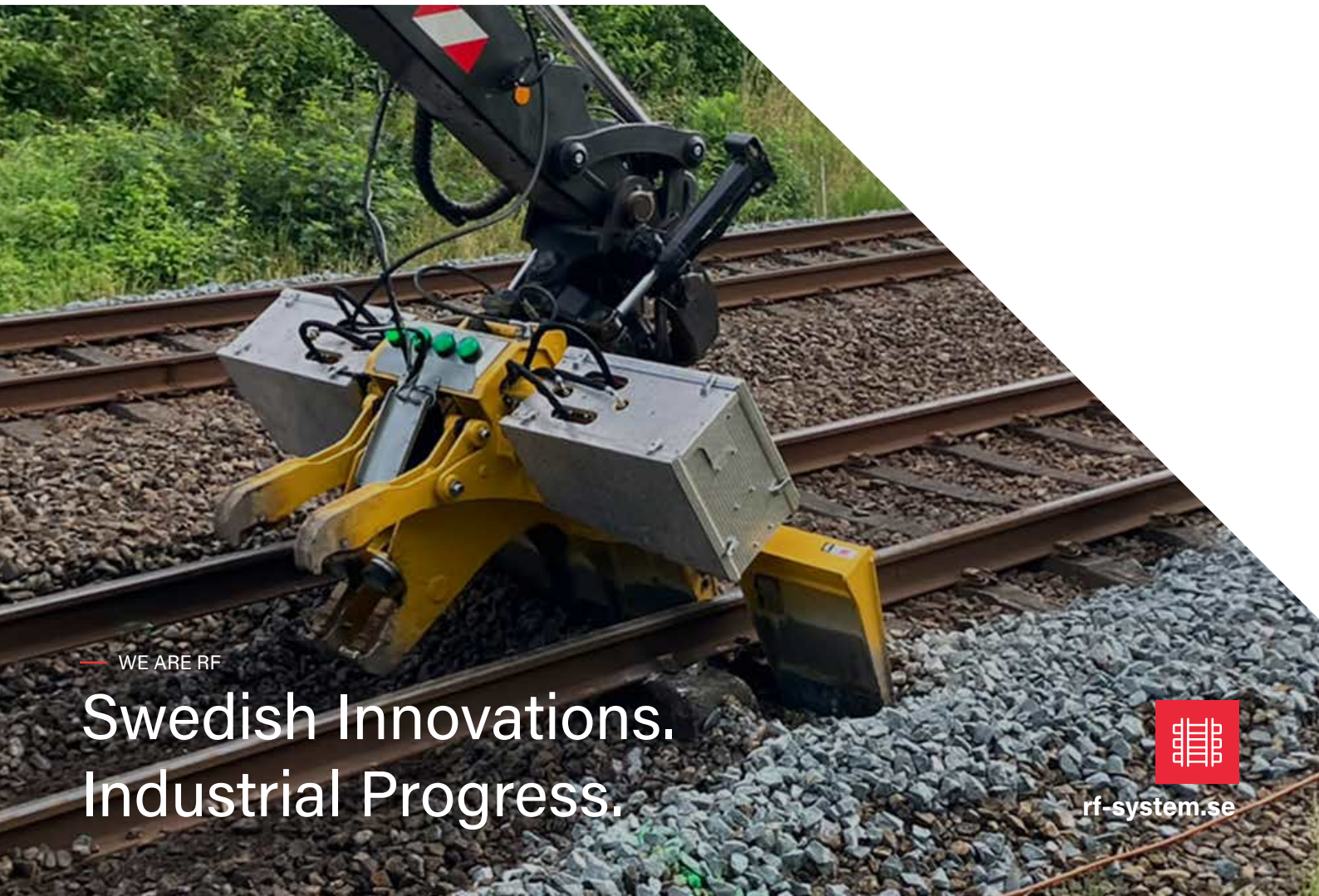




Products for  
**Rail Construction  
and Maintenance**



— WE ARE RF

Swedish Innovations.  
Industrial Progress.





# A wide attachment range for rail and general construction

## We are RF.

**We are RF - an innovative and driven player manufacturing and delivering high-quality railway, construction, crane, demolition and recycling products.**



### UNIQUE PRODUCT RANGE

At RF, we develop and create the products we want to work with ourselves. With us, you will find a unique assortment developed by RF and tested by our customers. Many of our innovations are now flagship products in the industry.



### SATISFIED CUSTOMERS ARE OUR TOP PRIORITY

Close customer contact and a high level of service are as important to us as they are to you. That is why our staff is available to help you when needed. You can always feel safe with us as we have a reliable after-sales service for those who have purchased our products.



### OUR WIDE RANGE OF KINSHOFER PRODUCTS

RF is local and based in Sösdala, but simultaneously global, operating in an international market as we are part of the Kinshofer Group. This means we have a wide range of products through our sister companies, with products for every need.



### LARGE SPARE PARTS STOCK AND EXCELLENT AFTERMARKET SUPPORT

Since 1978 we have been operating in Sweden. This means we have long-standing relationships with our customers and want them to be able to use their favourite products for as long as possible. Our spare parts stock is extensive and we can offer rare spare parts for many products no longer in production. Feel free to contact us and ask what we have in stock.

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## Railway Equipment for quick coupler & crane



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**SMART RAILWAY PRODUCTS  
CURRENTLY USED ACROSS  
THE WHOLE WORLD TO BUILD  
THE INFRASTRUCTURE OF  
TOMORROW**

**INNOVATIVE TECHNOLOGY  
AND SOLID COMMITMENT**

**WHEN WORKING ON  
RAILWAYS THERE IS NO  
MARGIN FOR ERROR**

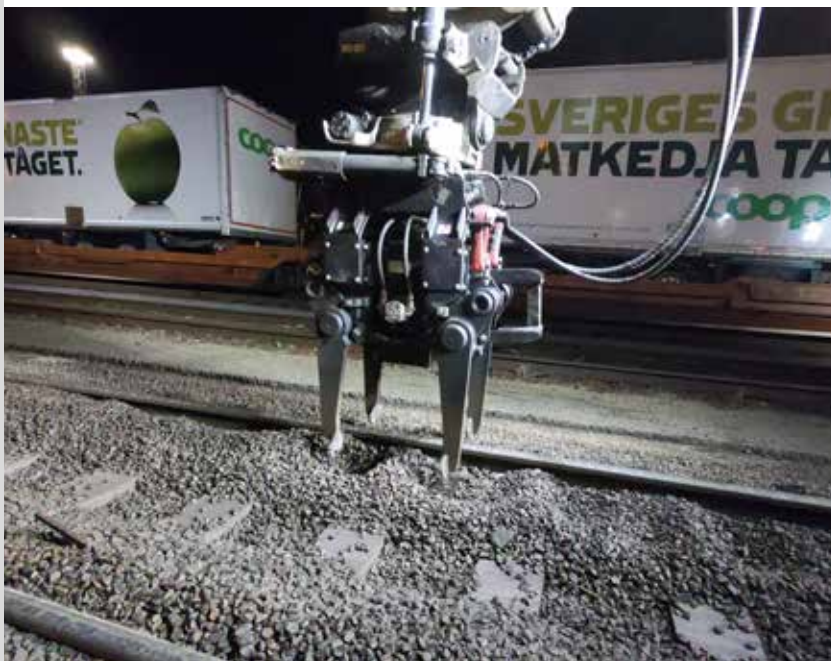
**OUR RAILWAY PRODUCTS  
ARE DEVELOPED BY OUR  
EXPERIENCED DESIGNERS  
AND MANUFACTURED IN  
SWEDEN AND GERMANY**

## **Powerful, thought-through and flexible equipment for rational work on railway embankments around the world**

- RF-System offers the market's widest range of railway equipment, designed to make your work easier and more efficient, whether you are building new or maintaining existing tracks.
- We love finding the smartest solutions and developing products that make your work faster, safer and easier.
- Our railway products have been proven over many years and are used in nearly every corner of the world.
- RF and Kinshofer are known for providing high levels of service and quick response times to resolve any issues that might arise. We are based in Sweden, Germany & France and easy to get in touch with.
- You're always welcome to discuss equipment with our designers and product specialists.
- If you need specially designed equipment we are often able to accommodate your needs, as we are in control of the entire manufacturing process from design to production.
- Concept for efficient track construction on page 24.



# Railway Equipment for tiltrotator





View in action



Attachments / Railway

# Ballast Tamper RST

## Efficient ballast tamper with high frequency

The Ballast Tamper RST is a well-proven machine with a low profile that fits all excavators and cranes. Weighing only 680 kg and with a replaceable attachment, it can be used on several different machines, ranging from 12-24 tons.

The tamper packs ballast efficiently with high frequency (60 Hz) and minimal noise levels. The tamper legs have durable and proven bearings, developed in collaboration with leading ball bearing suppliers, to ensure long service life. As standard, the tamper comes with an adjustment plate of 110 mm for a 400 mm packing depth.

Do you have any questions? Contact us!

**High Compaction Force**  
7 500 kg

**High Frequency**  
60 Hz with minimal noise levels

**Low Weight**  
680 kg

## More information

The latest generation features reinforced legs and a newly developed hydraulic system with a pressure-compensated valve for the hydraulic motor, as well as pressure relief for safe operation of the tamper legs. The motor, which can withstand higher back pressure, is included as standard, with an optional motor with drain available.

For easy relocation, the tamper can be fitted with a bolted handling bracket, compatible with the tiltrotator's grip.

### Features

- Replaceable attachment for flexibility between machines
- Reinforced tamper legs and new hydraulics with pressure-compensated valve
- Motor withstands higher back pressure, optional drainage motor
- Adjustment plate 110 mm for 400 mm packing depth
- Optimal compaction occurs 70-100 mm below the ties
- Production: Approx. 150-200 packings/h (full tie change), approx. 250-300 packings/h (light compaction)

### Detailed Description

- Weight: 680 kg
- Motor: 14,6 cc

### Machine Requirements

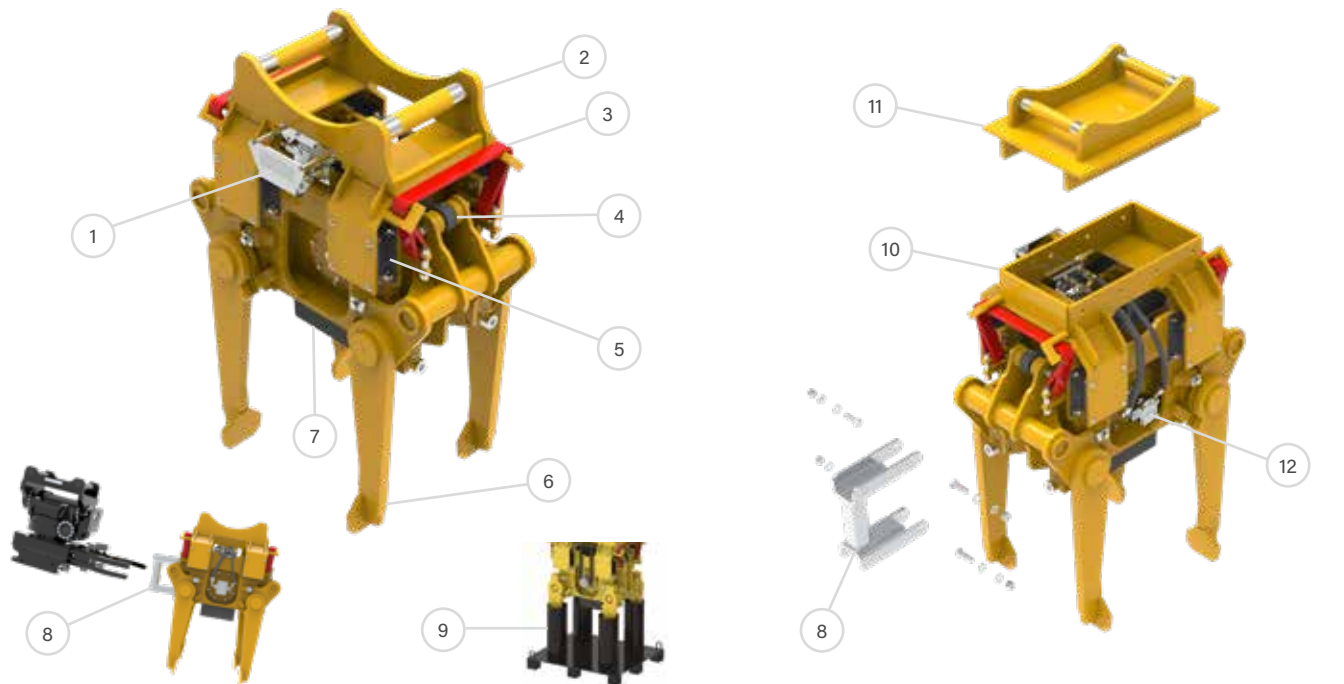
- Recommended machine weight: 12-24 tons
- Option 1: One double-acting and one single-acting hydraulic circuit with free return to tank
- Option 2: Two double-acting hydraulic circuits with leak oil
- Pressure: Max 350 bar (5076 psi)
- Recommended oil flow: 50 l/min (13.2 GPM)
- Oil flow: Min 50 l/min (13.2 GPM), max 170 l/min (44.9 GPM)

### Accessories

Bolted handling bracket (can be retrofitted), Adjustment plate 55 mm for a 455 mm packing depth, Ground vibrator plate, Adapter boom for parallel mounting, Transport support, Fully automatic quick coupler systems from all manufacturers

Product	Operating weight	Item number	Bracket	Weight (kg)	Compaction force (kg)	Packing depth (mm)
RST 03	12 - 24	160-75107-535-18	S45	680	7500	400
RST 03	12 - 24	160-75109-535-18	S50	680	7500	400
RST 03	12 - 24	160-75111-535-18	S60	680	7500	400
RST 03	12 - 24	160-75126-535-18	Hole pattern	680	7500	400
RST-T		160-13000-000-00	Handling bracket, bolted to one pair of legs			
	Adjustment plate 55 mm	9-160-002	For packing depth 455 mm			455

## Product description and accessories



1. Protection plate hydraulic connections

2. Upper part with integrated machine coupler

3. Bar strap

4. Hydraulic cylinder for legs

5. Spring rubber

6. Legs for compacting

7. Adjustment plate for other packing depth

8. Handling bracket

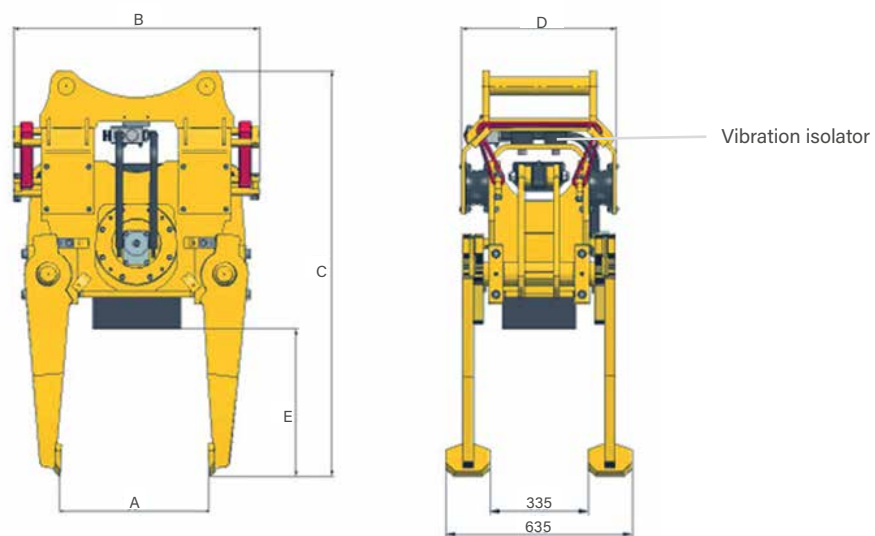
9. Transport support

10. Upper part hole pattern RA

11. Adapter RA

12. Motor for vibro function

## Technical specification



Grip area A (mm)	Length B (mm)	Height C (mm)	Width D (mm)	Depth E (mm)
195-650	830	1 310	525	505-560



View in action



Attachments / Railway

# Adapter Beam ADP 0303

## Adapter beam for dual mounting of ballast tampers

The Adapter Beam ADP 0303 enables the connection of two ballast tampers, making the work just as easy but twice as fast. The beam can be equipped with hydraulic or mechanical quick hitches (S-standard), facilitating disconnection when switching between single and dual tampers.

Ballast tampers can also be bolted directly onto the beam. The lower hitches are adjustable, allowing the double tamper to be adapted to different track gauges.

Do you have any questions? Contact us!

**Faster Work**

with two ballast tampers

**Easy Decoupling**

when switching between single and dual tampers

**Adjustable**

for different track gauges

## More information

### Features

- Hydraulic or mechanical quick hitches (S-standard)
- Adjustable lower hitches

### Detailed Description

- Weight: 535 kg (excluding attachment and 2 x Ballast Tampers RST)
- Complete weight: 2000 kg
- Width: 2230 mm
- Depth: 650 mm

### Machine Requirements

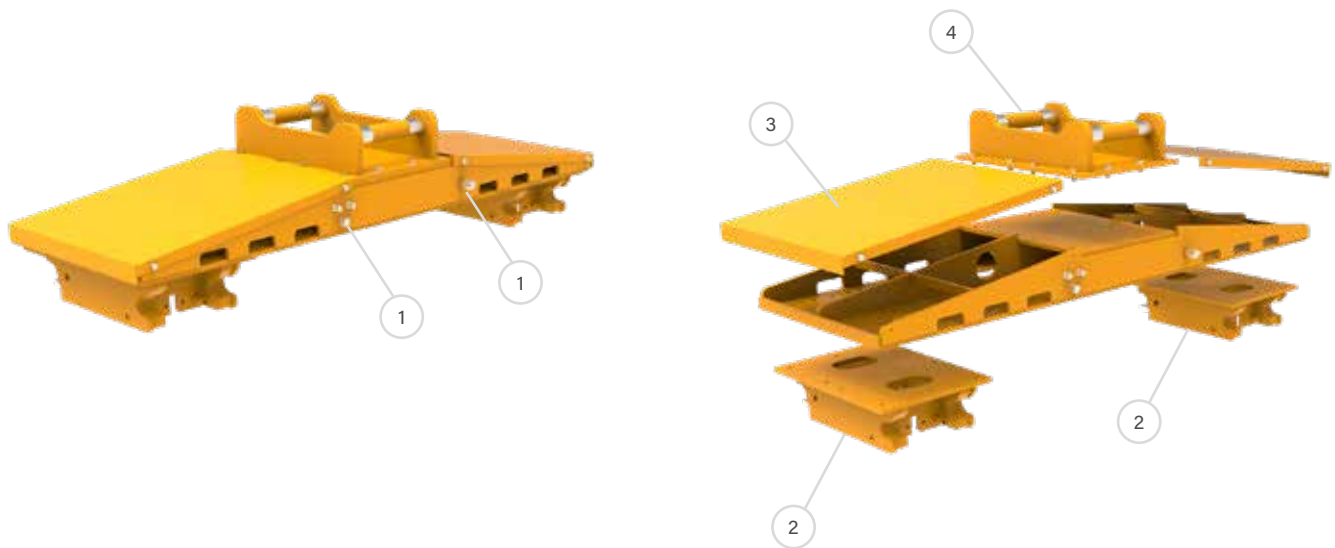
- Recommended machine weight: 14-24 tons
- Option 1: One double-acting and one single-acting hydraulic circuit with free return to tank
- Option 2: Two double-acting hydraulic circuits with leak oil
- Pressure: Max 350 bar (5076 psi)
- Recommended oil flow: 100 l/min (26.4 GPM)
- Oil flow: Min 100 l/min (26.4 GPM), max 170 l/min (44.9 GPM)

### Accessories

Bolt-on adapter AGS, Fully automatic quick coupler systems from all manufacturers

Product	Machine weight	Article number Hydraulic	Article number Mechanic	Bracket	Lower bracket	Track gauge width min-max (mm)	Weight (kg)
ADP 0303	14 - 24	045-33107-948-91	045-33107-947-22	Hole pattern	S45	891 - 1668	535
ADP 0303	14 - 24	045-33109-949-22		Hole pattern	S50	891 - 1668	535
ADP 0303	14 - 24	045-33111-950-22	045-33111-952-22	Hole pattern	S60	891 - 1668	535

## Product description and accessories



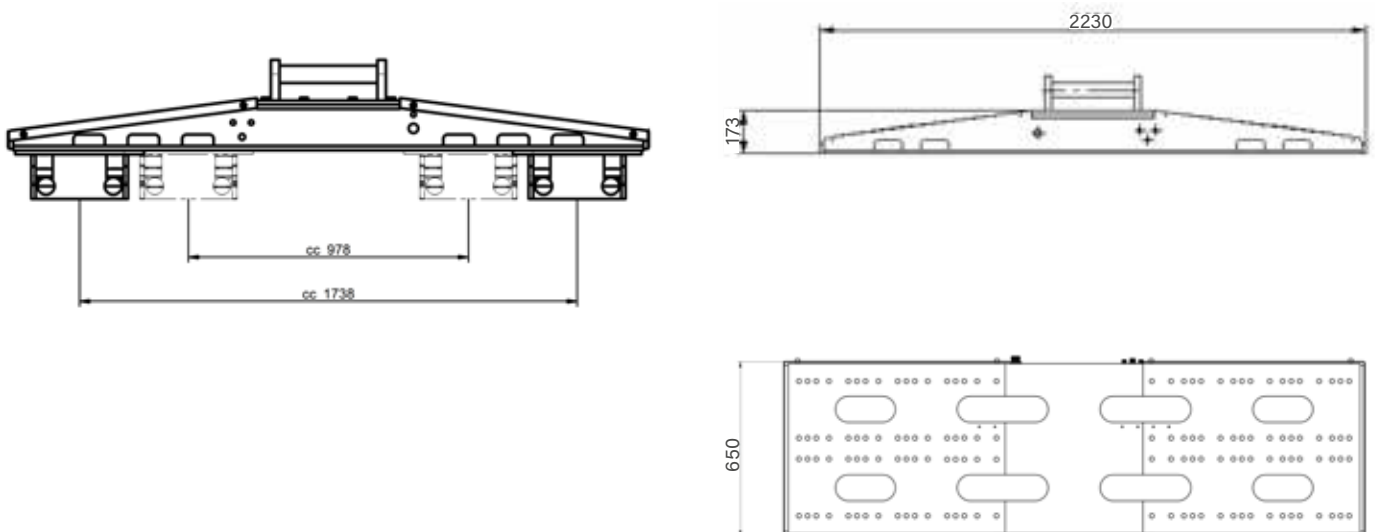
1. Hydraulic connections between ADP0303 and RST

2. Lower bracket

3. Protection plate

4. Bolt-on adapter

## Technical specification





View in action

Attachments / **Railway**

# Sleeper Changer RBS CLF with fastclip module

Makes sleeper replacement faster, easier and safer

The Sleeper Changer with fastclip module is a further development of our classic and well-proven Sleeper Changer RBS. The blade is used to remove ballast and the gripping claw is used to pull out old sleepers and install new ones. The well-proven angles and strength of the blade remain the same, now combined with automatic fastclip fastening. Efficiency is now even higher than before, and the workplace becomes safer as the need for personnel around the track is reduced.

Do you have any questions? Contact us!



**Cost-efficient**

More cost-efficient operations

**High safety**

Safer workplace

## More information

The fastclip modules are self-adjusting to the correct position in two directions and quick to position for fastening, based on the same proven technology as our Sleeper Layer. The movements are smooth thanks to end cushioning and carefully designed motion patterns.

The modules fasten quickly with high accuracy and quality. Nothing obstructs the view during the different operations – removing ballast with the blade, positioning the sleeper or fastening with fastclip. The driver has full control throughout all operations.

### Features

- Robust gripping claw with two hydraulically operated jaws
- Load holding valve ensures safe handling of the gripping claw
- Adjustable stops for exact positioning

### Accessories

Setup kit (for different sleepers/rails), Control system, Fully automatic quick coupler systems from all manufacturers

### Detailed Description

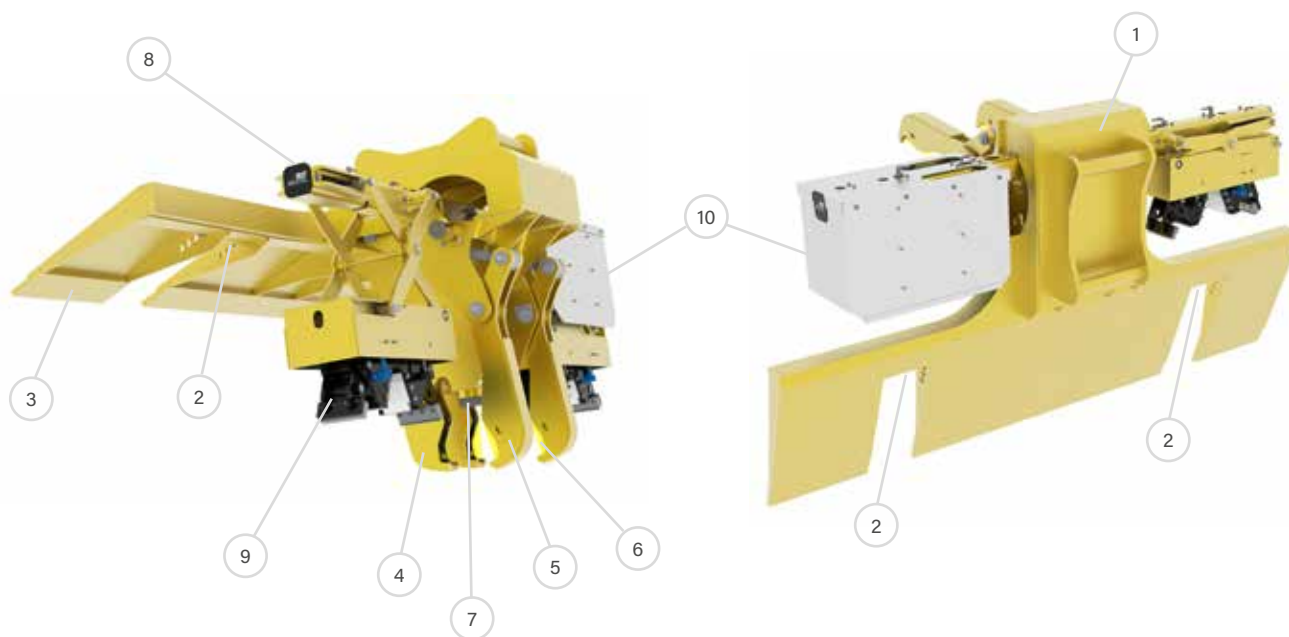
- Width: 2700 mm
- Max load: 2000 kg
- Grab opening: 0–440 mm
- 1435 mm track gauge as standard (adjustable blade depth provides flexibility)
- Easy adjustment between 50 kg and 60 kg rails
- The Sleeper Changer blade is built in HB400 wear steel with edge in HB500
- Handles Fastclip FC/FE
- Tool bracket for tiltrotator and quick hitch

### Requirements of Excavator

- One double acting hydraulic circuit. One electrical steering signal. Constant current +/- . Pedal or button for control signal.
- Max pressure: 200 bar (2900 psi)
- Oil flow: 30–60 l/min (7.9–15.8 GPM)

Product	Item number	Bracket	Description	Weight (kg)
RBS CLF	155-33107-000-00	S45	Including module for fastclip FE/FC, Excluding setup-kit and control system	1010
RBS CLF	155-33109-000-00	S50	Including module for fastclip FE/FC, Excluding setup-kit and control system	1010
RBS CLF	155-33111-000-00	S60	Including module for fastclip FE/FC, Excluding setup-kit and control system	1010
RBS CLF	SETUP KIT		Setup kit for adaptation to sleepers and rails	
RBS CLF	CONTROL SYSTEM		Control system adapted to machine	

## Product description and accessories



1. Fixed part with bracket

2. Adjustable rail roller with bushing

3. Wear steel

4. Fixed gripping arm

5. Moveable gripping arm

6. PUR-rubber

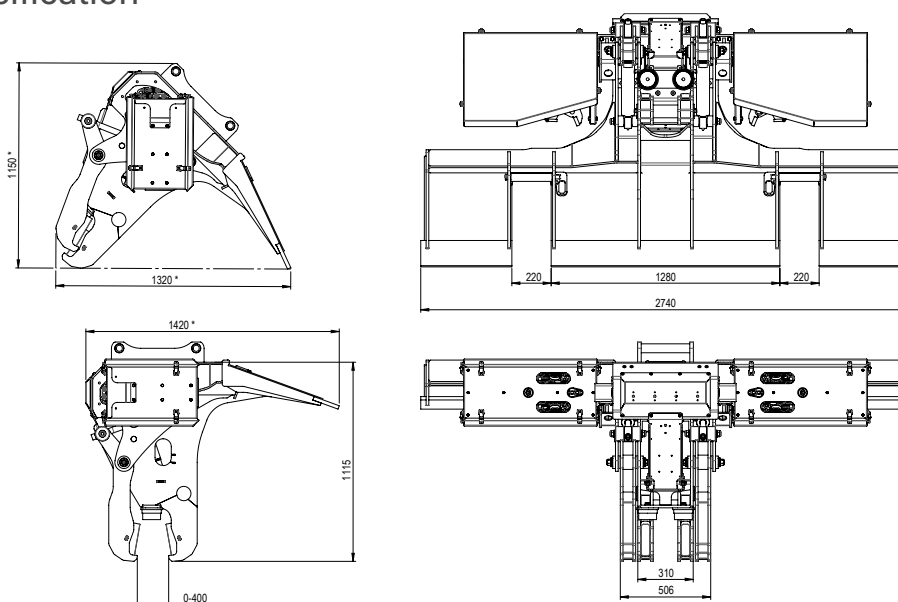
7. Support rubber against sleeper

8. Swivel beam

9. Fastclip module

10. Protective cover

## Technical specification



Opening width (mm)	Length (mm)	Load capacity (kg)	Hydraulic pressure max (bar)	Weight (kg)	Operating weight (ton)
0-400	2740	2000	200	1010	10-24



View in action



Attachments / Railway

# Sleeper Changer RBS

## Well-proven and flexible sleeper changer

The Sleeper Changer RBS features well-proven angles and strength in the blade. The blade is used to remove ballast, after which the sleeper is gripped by two robust, hydraulically operated grips and pulled from the ballast bed. A new sleeper can then be positioned and finally the blade is used to refill ballast.

The adjustable depth makes it highly flexible, and the load-holding valve guarantees safe lifts even in the event of a hydraulic pressure drop.

Do you have any questions? Contact us!

**Smooth operation**  
Low weight

**High flexibility**  
Adjustable blade depth

## More information

### Features

- Robust gripping claw with two hydraulically operated jaws
- Load-holding valve ensures safe handling of the gripping function

### Detailed description

- Weight: 630 kg
- Width: 2700 mm
- Max load: 2000 kg
- Grab opening: 0-440 mm
- 1435 mm track gauge (can be adapted to other track gauges)
- Made of high tensile steel

### Operating Machine

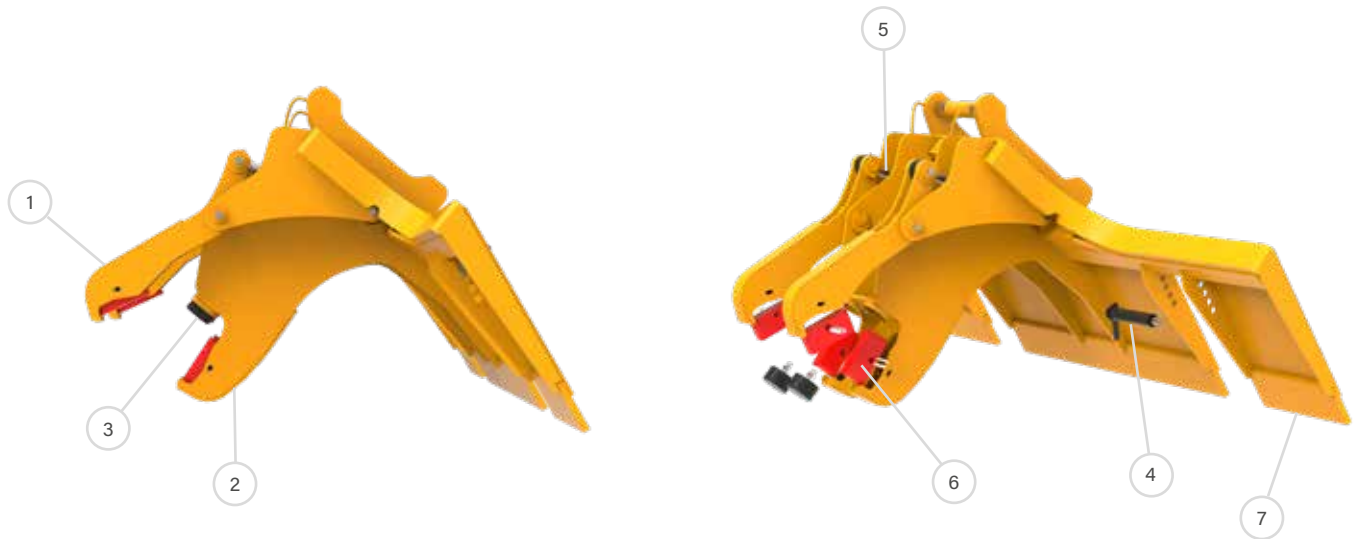
- Recommended machine weight: 10-24 tons
- One hydraulic circuit
- Max pressure: 200 bar (2900 psi)
- Oil flow: 30-60 l/min (7.9-15.8 GPM)

### Accessories

Fully automatic quick coupler systems from all manufacturers

Product	Operating weight	Item number	Bracket	Type	Weight (kg)
RBS	10 - 24	155-00107-000-00	S45	For Tiltrotator	630
RBS	10 - 24	155-00109-000-00	S50	For Tiltrotator	630
RBS	10 - 24	155-00111-000-00	S60	For Tiltrotator	630

## Product description and accessories



1. Moveable gripping arm

2. Fixed gripping arm

3. Support rubber against sleeper

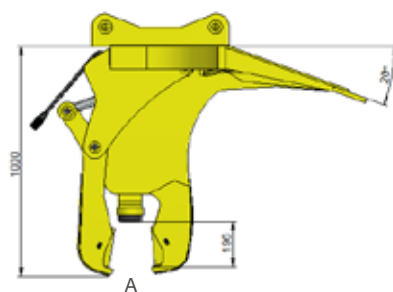
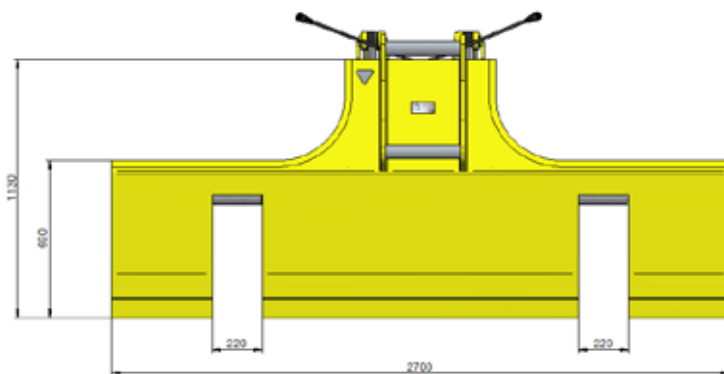
4. Adjustable rail roller with bushing

5. Hydraulic cylinder

6. PUR rubber

7. Wear steel

## Technical specification



Opening width A (mm)	Length (mm)	Load capacity (kg)	Hydraulic pressure max (bar)
0-440	2700	2000	200



View in action



Attachments / **Railway**

# Sleeper Grapple RBE

## Small and easy-to-handle sleeper grapple

Sleeper Grapple RBE is a compact and functional grapple for smaller sleeper works. It is equipped with a ballast blade and an angled grip that ensures the ballast blade gets optimal angle, which is extremely useful in tight areas, such as changing sleepers in switches.

Replaceable plates for concrete and wood sleepers are included as standard.

Do you have any questions? Contact us!

**Smooth operation**  
Small and easy-to-handle

**High flexibility**  
Flexible for tight areas

## More information

### Features

- Angled grip ensures optimal working angle
- Replaceable plates for concrete and wood sleepers

### Detailed description

- Weight: approx. 250 kg (depending on bracket)
- Adjustable grapple opening: 25–240 mm or 135–350 mm
- Ballast blade width: 300 mm or 500 mm

### Operating machine

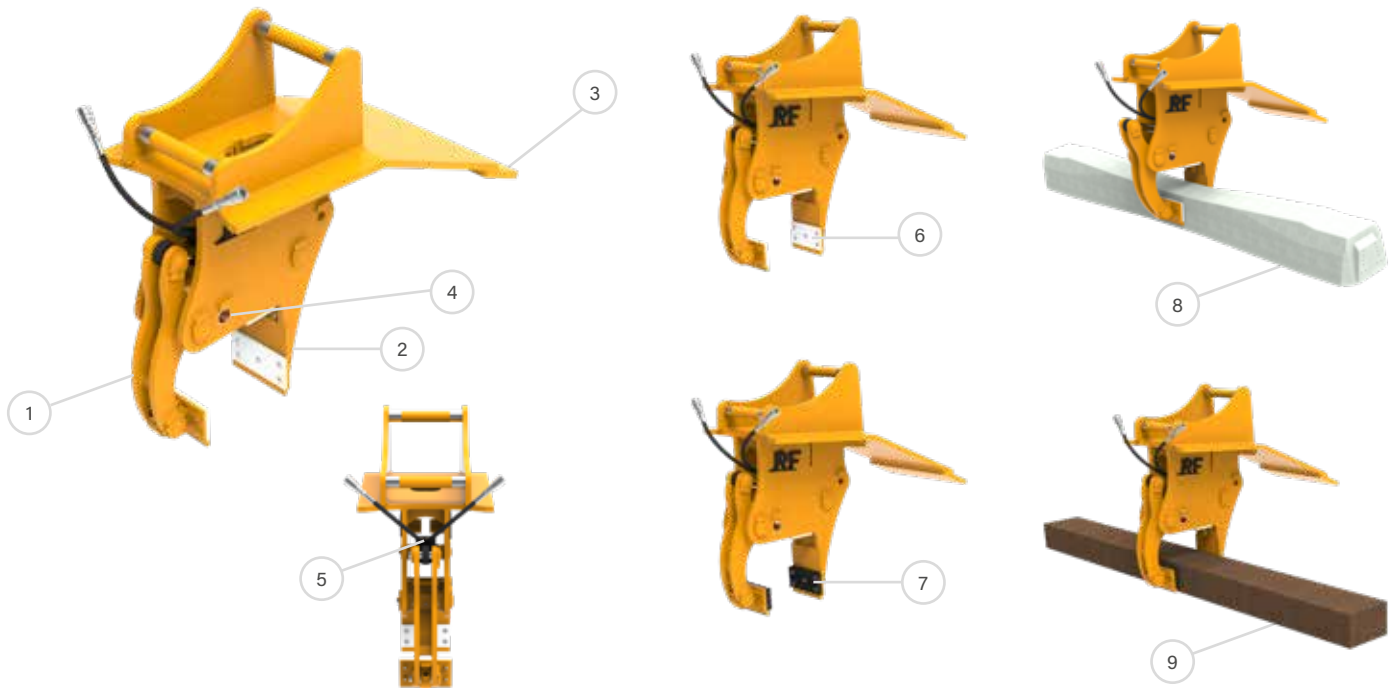
- One double acting hydraulic circuit
- Max pressure: 200 bar (2900 psi)
- Oil flow: 30–60 l/min (7.9–15.8 GPM)

### Accessories

Fully automatic quick coupler systems from all manufacturers

Product	Item number	Bracket	Opening (mm)	Blade width (mm)	Weight (kg)
RBE	158-00107-000-03	S45	350	300	110
RBE	158-00109-000-03	S50	350	300	120
RBE	158-00111-000-30	S60	350	300	130
RBE	158-00107-000-05	S45	350	500	120
RBE	158-00109-000-00	S50	350	500	130
RBE	158-00111-000-00	S60	350	500	140

## Product description and accessories



1. Moveable gripping arm

2. Fixed gripping arm

3. Ballast blade

4. Adjustable gripping width

5. Hydraulic cylinder

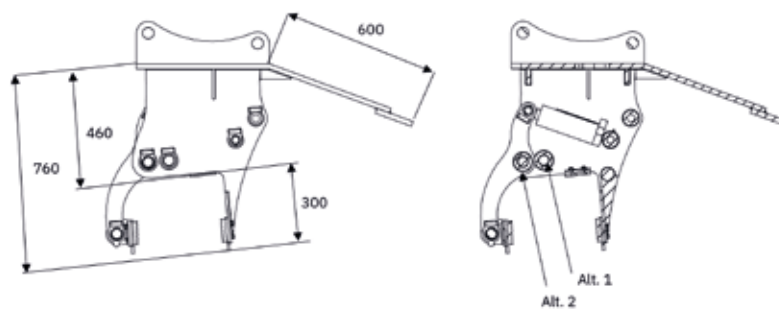
6. Nylon plate for concrete sleepers

7. Steel plate for wooden sleepers

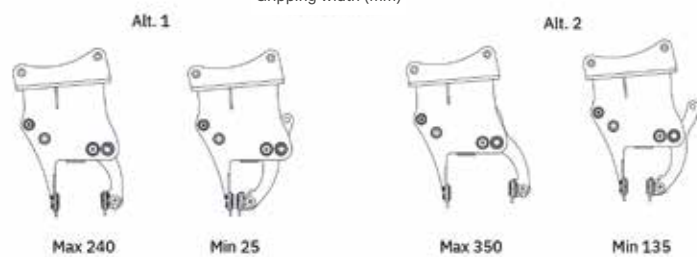
8. Concrete sleeper

9. Wooden sleeper

## Technical specification



Gripping width (mm)



Gripping width Alt 1 min - max (mm)	Gripping width Alt 2 min - max (mm)
25 - 240	135 - 350



View in action



Attachments / Railway

# Ballast Sweeper SKBB

Provides an even and stable base for railway tracks

The ballast sweeper roller levels the ballast used as a foundation for the railway track while simultaneously sweeping sleepers and rails clean. It features a robust construction and is specially developed for railway applications. The dual drive ensures smooth operation with high torque and adjustable speed. The rubber hoses protect rails and sleepers from damage. The extra strong frame withstands tough conditions, and the rubber elements are easy to replace when needed. Fork pockets facilitate easy transportation.

Do you have any questions? Contact us!

**Construction**

Robust construction

**Gentle**

Gentle on rails and sleepers

**Maintenance**

Easy to maintain

**Application**

Interchangeable roller provides multiple areas of use

## More information

The brush can be profiled to match sleeper type and recess for the rail can be ordered. It is also possible to have rollers with different profiles to switch between if required. Bearings and drive chain are included when purchasing a separate roller.

With a separate sweeper roller, you can switch between sweeping ballast and sweeping snow or other materials, giving you two machines in one.

It is also possible to disconnect one motor when sweeping to increase the speed of the roller. With chain drive you get a compact design and protected motor, with the possibility to change drive for another gear ratio.

### Features

- Can operate at low speed with high torque thanks to dual motors
- Sweeps both ballast and compacted snow (requires change to sweeper roller)

### Detailed Description

- Width from 1000 to 3000 mm

### Excavator Requirements

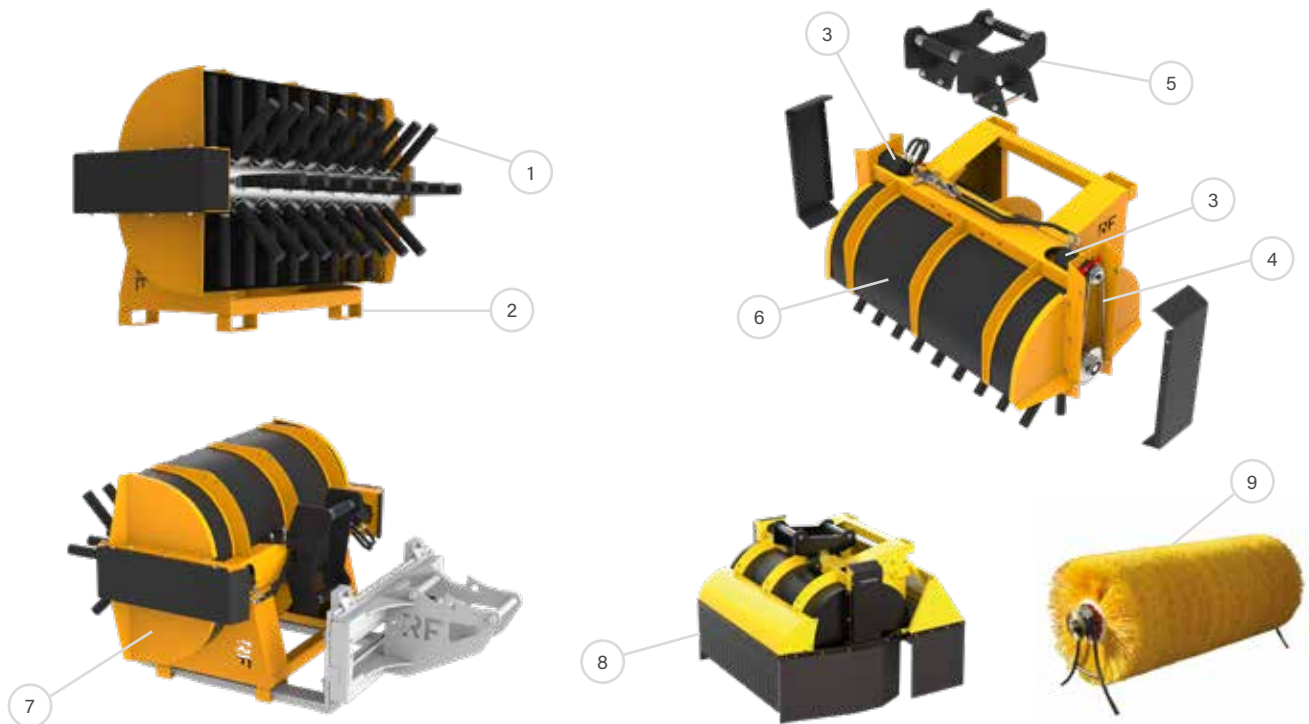
- One hydraulic circuit
- Max pressure: 140 bar (2030 psi)
- Oil flow (two motors): 70-100 l/min (18.5-26.4 GPM)

### Accessories

Bolt-on adapter AGS SKB, Fully automatic quick coupler systems from all manufacturers, Sweeper roller, Protection kit with rubber skirts, Profiled recesses for rails

Product	Item number	Bracket	Hose (mm)	Motor (ccm)	Oil flow (l/min)	Width (mm)	Weight (kg)	Protection kit
SKBB 10	188-60213-173-10	Hole pattern	55x330	250x2	70-100	1000	380	9-188-012
SKBB 15	188-60213-173-15	Hole pattern	55x330	250x2	70-100	1500	430	9-188-004
SKBB 20	188-60213-173-20	Hole pattern	55x330	250x2	70-100	2000	480	9-193-016
SKBB 26	188-60213-173-26	Hole pattern	55x330	250x2	70-100	2600	520	9-188-013
SKBB 30	188-60213-173-30	Hole pattern	55x330	250x2	70-100	3000	575	

## Product description and accessories



1. Ballast hose

2. Fork pockets

3. Motor

4. Chain drive

5. Bolt-on adapter AGS SKB

6. Plastic guard

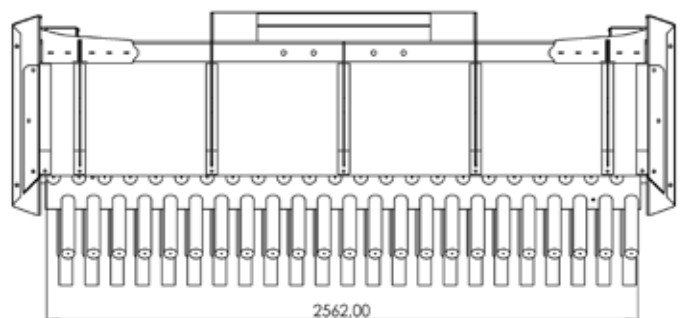
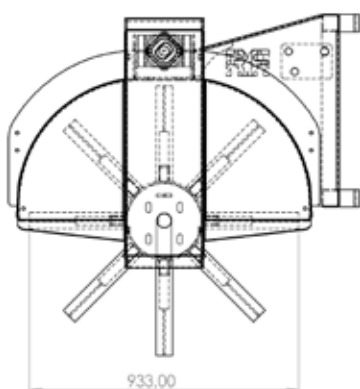
7. Protection plate

8. Protection kit with rubber skirts

9. Replaceable roller with close-packed bristles

## Technical specification

SKBB 26





View in action



Attachments / **Railway**

# Levelling Plough AVP

## Efficient tool for gravel and ballast

Levelling Plough AVP is developed for gathering and spreading gravel and ballast efficiently. The share height is adjustable and the share is made of high strength ballast rubber. The robust design and replaceable share protect rail and fastenings during operation.

Several brackets are available. The levelling plough is cone-shaped to access with the narrow end between rails, for example at railway switches.

Do you have any questions? Contact us!

**Efficient**  
Easy to use

**Design**  
Robust design

**Good protection**  
Protects rail and fastenings with replaceable share

## More information

### Features

- Share made of high strength ballast rubber
- Adjustable share height
- Adapted for narrow spaces between rails

### Detailed description

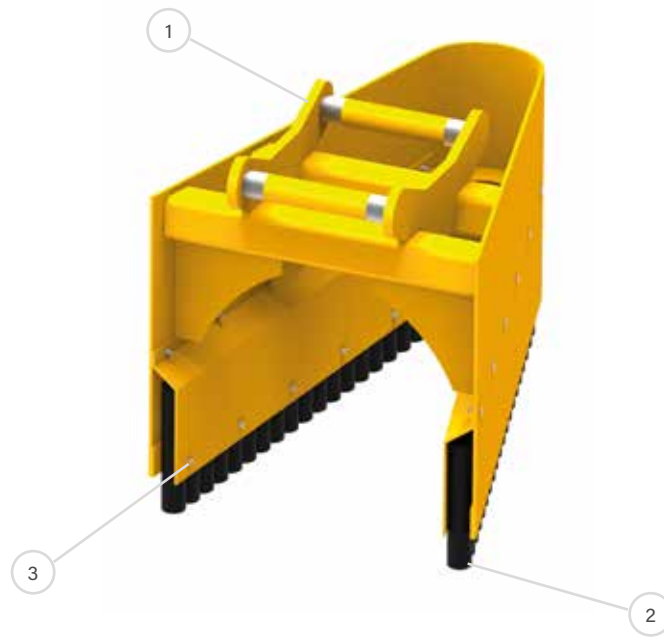
- Weight: 215 kg
- Width: 800 mm
- Length: 1200 mm
- Height: 700 mm

### Machine requirements

- Recommended machine weight: 8-20 ton

Product	Item number	Bracket	Weight (kg)	Width (mm)
AVP	178-00107-000-01	S45	170	800
AVP	178-00109-000-01	S50	170	800
AVP	178-00111-000-01	S60	170	800

## Product description and accessories

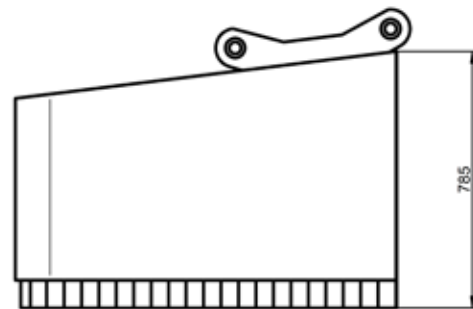
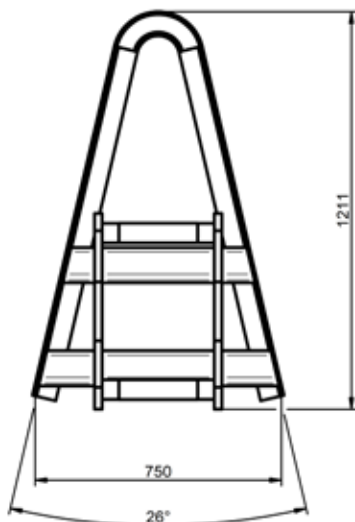


1. Bracket

2. Share made of ballast rubber

3. Adjustable share height

## Technical specification





View in action



Attachments / **Railway**

# Ballast broom MSKB for gripper cassette

## Smart and easy-to-handle broom for railway

Ballast broom MSKB is a small and versatile broom that can be used in combination with other tools. The ring coupling is designed to give a firm and steady grip with the tiltrotators gripper. The standard version is equipped with rubber blades, and the broom can also be delivered with hole pattern for the bracket. The broom with rubber hoses is 1400 mm wide.

Also available with plastic bristles (MSK) in widths of 1000 mm and 1600 mm.

Do you have any questions? Contact us!

**Smooth operation**

Small and easy-to-handle

**Combinations**

Can be used in combination with other tools

**High flexibility**

Flexible with rubber hoses or plastic bristles

## More information

### Features

- Rubber blades mounted as standard
- Can be delivered with hole pattern for the bracket
- Used in combination with other tools, for example bucket

### Detailed description

- Weight: 175 kg
- Width: 1400 mm with rubber hoses (1000 mm and 1600 mm with plastic bristles)
- Three rows of rubber hoses (43 pcs)

### Operating machine

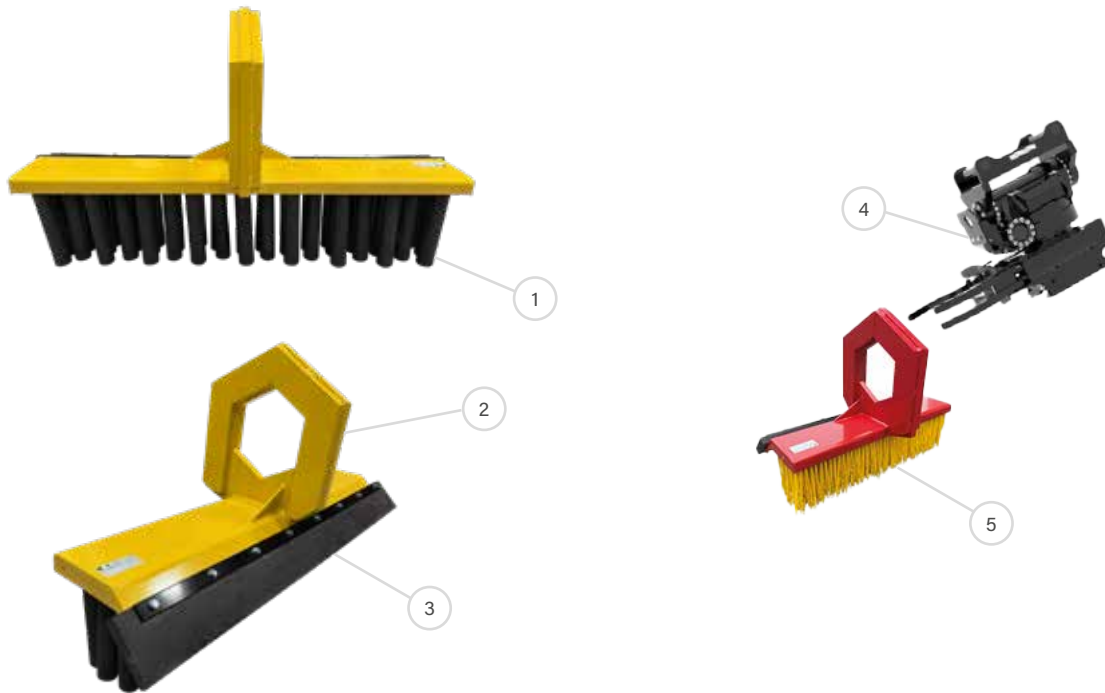
- Tiltrotator with gripper (MSKB / MSK standard model)

### Accessories

Hole pattern for Bolt-on Bracket AGS SKB

Product	Item number	Bracket	Width (mm)	Bristle	Weight (kg)
MSKB 14 ballast	210-14020-173-01	Ring coupling for gripper cassette	1400	Rubber hoses	175
MSK 10	210-10020-184-01	Ring coupling for gripper cassette	1000	Plastic bristles	140
MSK 16	210-16020-184-01	Ring coupling for gripper cassette	1600	Plastic bristles	170

## Product description and accessories



1. Rubber hoses

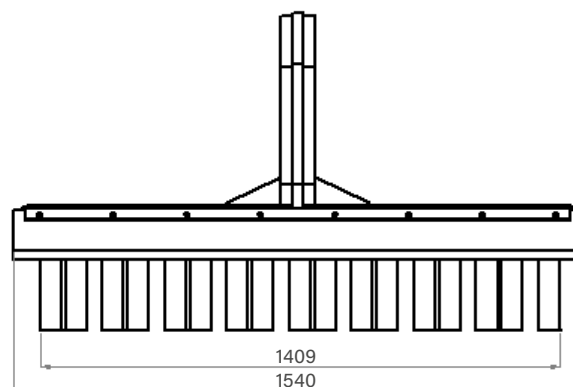
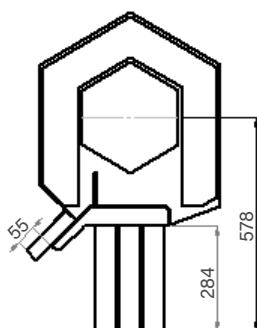
2. Ring coupling

3. Angled rubber blade

4. Tiltrotator with gripper

5. Plastic bristles

## Technical specification





View in action

Attachments / Railway

# Track Construction

The concept for track construction increases efficiency by 25%

The method creates a safer workplace and reduces the need for personnel around the track. It is particularly suitable in tight areas where access routes cannot be built or where no space is available for working machines beside the track.

The concept for track construction consists of: Rail Lift on wheels RLF, Sleeper Layer with fastclip module RUS33 CLF, that can handle Fastclip FE and FC fastenings together with 50-60 kg rail and Sleepers Trolley SLF for transportation of sleepers.

Do you have any questions? Contact us!



**Efficient**

25% more efficient

**Fewer personnel**

Reduces the need for personnel around the track

**Smooth operation**

Suitable for tight areas and sensitive ballast beds



Product	Recommended operating weight (t)	Description	Type of arms	Number of sleepers lifted	Weight (kg)
RUS33	15 - 24	Sleeper Layer prepared for fastclip module	Center gripped	3	1080
CLF		Fastclip module			880
Laser		Laser Rangefinder			
RLF		Rail Lift on wheels			515
SLF		Sleepers Trolley 2500 x 2470 mm			1330

## Product description and accessories



1. Sleeper Layer with fast clip module

2. Rail Lift on wheels

3. Sleepers Trolley



View in action



Attachments / Railway

# Sleeper Layer with fastclip module RUS33 CLF

## Quick laying and fastening of sleepers

Sleeper Layer RUS33 CLF handles sleepers from a stack or trolley and fastens them under the rails in the same operation as the laying, thanks to the fastclip module (CLF) for Fastclip FC and FE. The model is also available without the fastclip module for sleeper laying with manual fastening, both on the ballast bed and up against the rail. 1435 mm track gauge as standard.

Do you have any questions? Contact us!

### Efficient

Laying and fastening in the same operation

### Fewer personnel

Reduces the need for personnel around the track

### Smooth operation

Suitable for tight areas and sensitive ballast beds

### Stable delivery

Delivered with transport stand

## More information

The concept for track construction increases efficiency by 25%. The method creates a safer workplace and reduces the need for personnel around the track. It is particularly suitable in tight areas where access routes cannot be built or where no space is available for working machines beside the track.

The concept for track construction consists of: Rail Lift on wheels RLF, Sleeper Layer with fastclip module RUS33 CLF that handles Fastclip FE and FC together with 50–60 kg rail, and SleepersTrolley SLF for transportation of sleepers.

### Features

- Handles Fastclip FC and FE
- 50–60 kg rail
- Possibility to change Setup for adaptation to different rail and sleeper types

### Detailed description

- Weight: 1960 kg (including transport stand 2060 kg)
- Max load: 3 × 360 kg
- Total weight incl. load during operation: 3040 kg

### Machine requirements

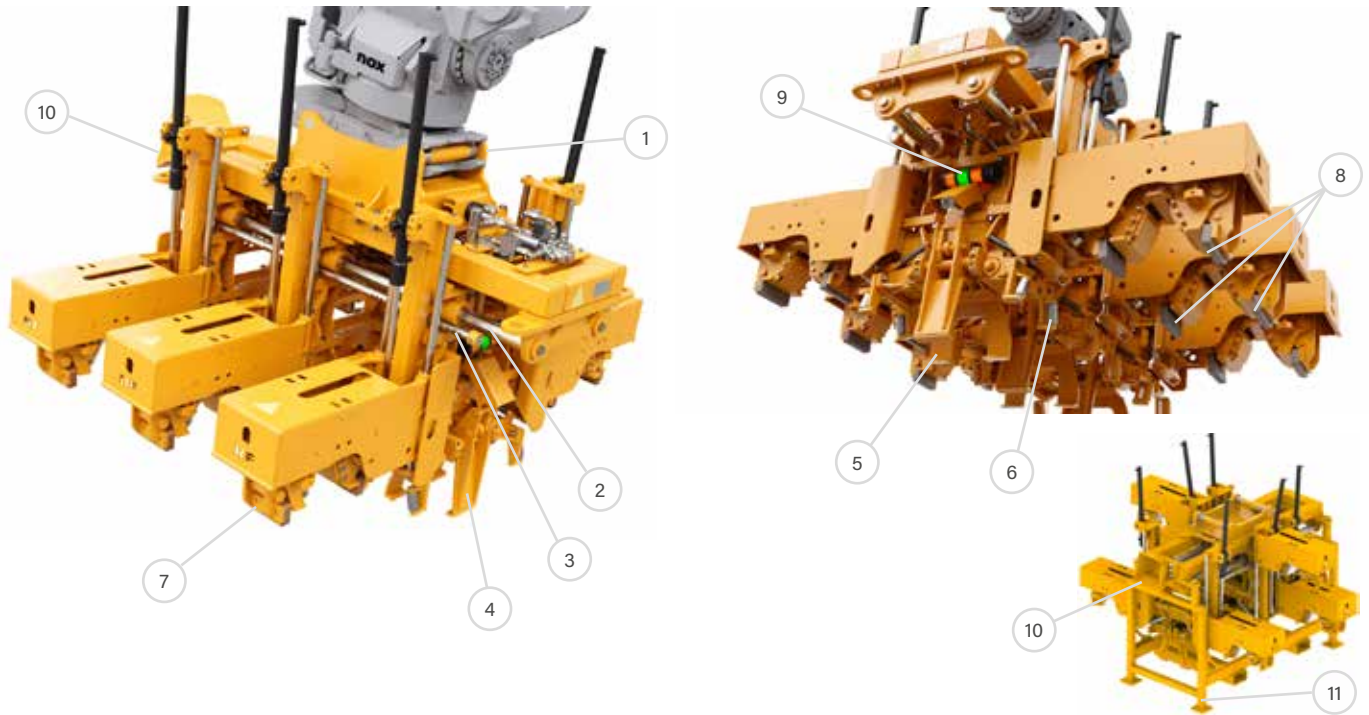
- Recommended operating weight: 15–24 ton
- 2 double-acting hydraulic functions
- 1–2 electrical functions (1 electrical function standard, 1 electrical function for constant voltage to laser meter optional)
- Indicator light for electric valve
- Pressure: max 200 bar (2900 psi), min 175 bar (2538 psi)
- Oil flow: 30–60 l/min (7.9–15.8 GPM)

### Accessories

Range finder (laser) with lamp set for correct sleeper laying. Fully automatic quick coupler systems from all manufacturers

Product	Operating weight	Item number	Description	Bracket	Weight (kg)	Type of arms	Number of sleepers lifted
RUS33	15 - 24	156-33000-000-00	Sleeper Layer prepared for fastclip module	Bolt-on Bracket AGS	1080	Center gripping	3
RUS33-T		670-00228-920-00	Fastclip module CLF for RUS33		880		
RUS33-T		9-900-002	Laser Rangefinder				

## Product description and accessories



1. Bolt-on adapter

2. Glide axle

3. Adjustable bar

4. Glide section/  
Gripping arms

5. Center gripped arms

6. Support rollers

7. Fastclip module

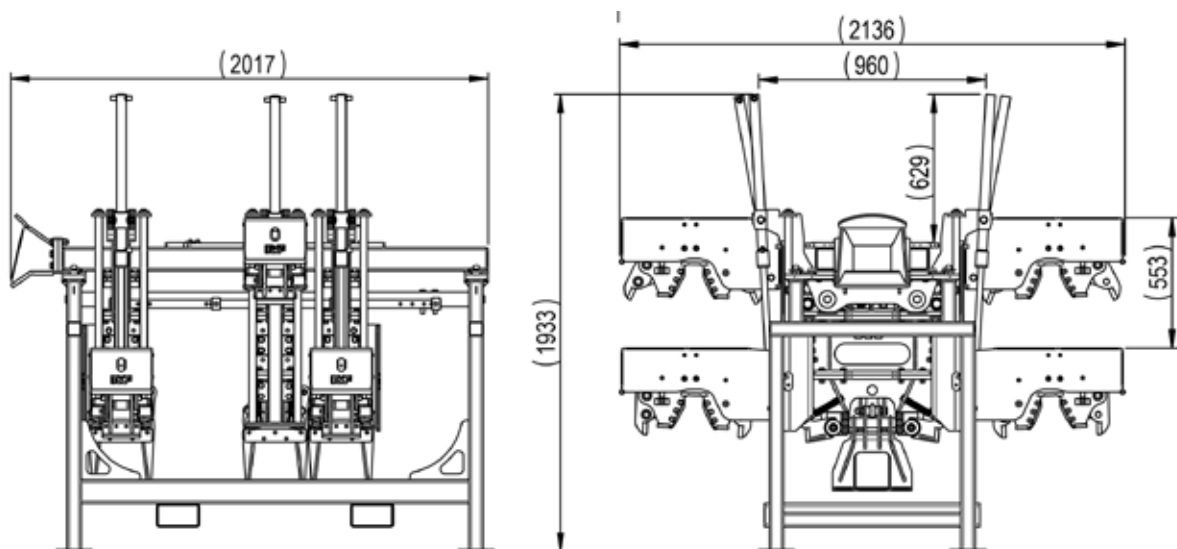
8. Customized  
pressure plates

9. Laser rangefinder with  
indicator lamps

10. Bracket for  
transporting RLF

11. Transport support

## Technical specification



Length (mm)	Height (mm)	Width (mm)
2017	1933	2136



View in action



Attachments / **Railway**

# Rail Lift on wheels RLF

## Safe and stable rail lifting

Rail Lift on wheels RLF is developed and especially adapted for use together with our Sleeper Layer with fastclip module, to lift the rail so that sleepers can be laid underneath.

A specially constructed connector device between the Sleeper Layer and Rail Lift ensures that you easily move and steer the Rail Lift on the track in front of the machine. Rollers with bearings guide the rail vertically and sideways.

Do you have any questions? Contact us!

**Safe and stable**

Safe lifting and stable rail handling

**Smooth handling**

Easy maneuvering in front of the machine

**Precise control**

Exact control with rollers with bearings

## More information

### Features

- Special connector device for Sleeper Layer RUS33 CLF
- Rollers with bearings guiding rails vertically and sideways
- Adapted for 1435 mm track gauge as standard
- Pneumatic tyres for easy movement on the ballast bed
- No own drive, rolled forward by being attached to RUS33
- Can be divided for transportation

### Detailed description

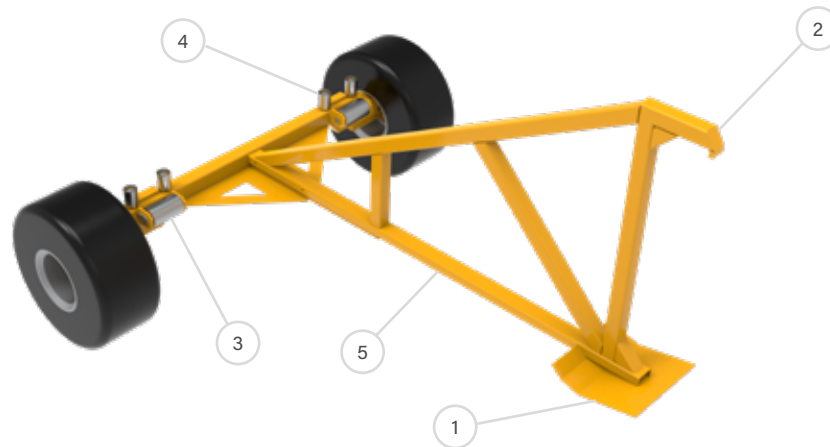
- Weight: 515 kg
- Width: 2840 mm
- Length: 3450 mm
- Tyres: 400/60x15.5 MRL

### Machine requirements

- Used in combination with Sleeper Layer RUS33

Product	Item number	Coupling	Weight (kg)
RLF	309-00020-090-01	Adapted for Sleeper Layer RUS33	515

## Product description and accessories



1. Support plate

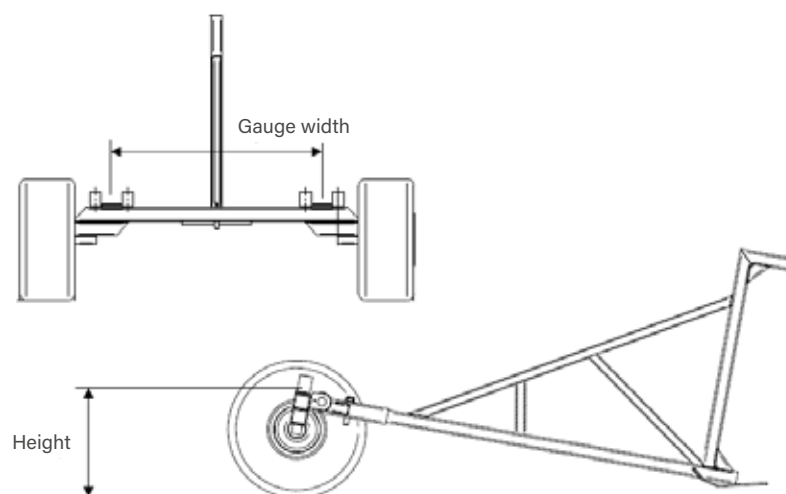
2. Hook for connector device on RUS33

3. Support roller against rail

4. Guide roller for sideways guiding

5. Tension rod

## Technical specification



Model Gauge width (mm)	Wheel	Weight (kg)	Width (mm)	Height (contact surface) (mm)	Length (mm)
1435	400/60x15,5 MRL	400	2840	700	3450

Attachments / **Railway**

# Sleepers Trolley SLF

## Efficient transportation of sleepers

Sleepers Trolley SLF is developed for efficient transportation of sleepers between storage, Rail Lift and Sleeper Layer RUS33 CLF. The trolley facilitates the workflow in track construction and contributes to efficient handling of sleepers on the track.

It is adapted to work together with the other machines in the concept for rational track construction (RUS33 CLF, RLF and SLF), making it possible to reduce the need for personnel around the track and avoid driving on the finished ballast bed.

Do you have any questions? Contact us!



### **Safe transport**

Quick and safe transportation of sleepers

### **Track construction**

Integrated with the concept for rational track construction

### **Fewer personnel**

Reduces the need for personnel on the track

## More information

### Features

- Adapted for use with Sleeper Layer RUS33 CLF and Rail Lift RLF
- Efficient handling of sleepers between storage and laying point
- Emergency and parking brake
- No drive of its own, intended to be pulled after a railbound vehicle
- Equipped with load and lifting securing lugs

### Detailed description

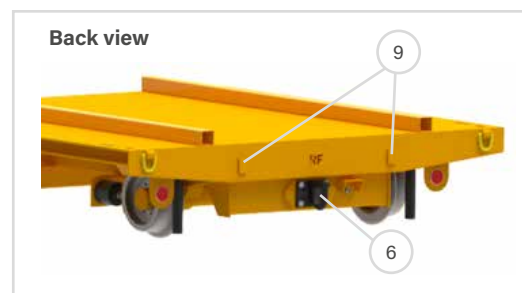
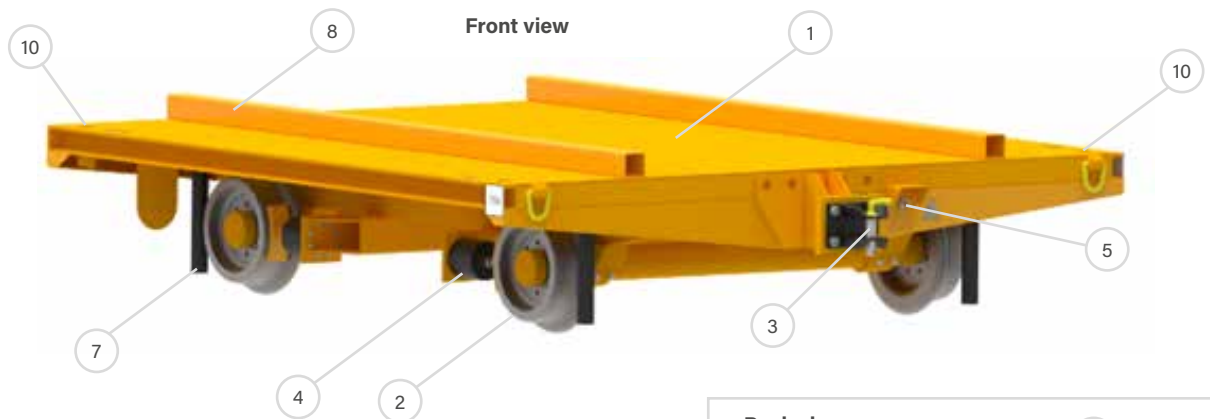
- Weight: 1500 kg
- Max load: 12 ton
- Width: 2470 mm
- Length incl tow: 2950 mm
- Height from rail: 495 mm

### Machine requirements

- Used in combination with railbound excavator or loader
- Tow bar VBG190: Max towing vehicle weight: 40.7 ton, Max trailer weight: 30 ton
- Max pressure: 200 bar (2900 psi)

Product	Item number	Coupling	Max load (ton)	Max permitted speed (km/h)	Track wheels (mm)	Track gauge (mm)	Breaks	Width (mm)	Height (mm)	Length (mm)	Weight (kg)
SLF	351-40020-090-01	Tow bar	12	20	350	1435	Emergency and parking	2470	495	2500	1330

## Product description and accessories



1. Bed

2. Rail wheel

3. Towing jaw

4. Brake cylinder

5. Hydraulic connection

6. Towing hook

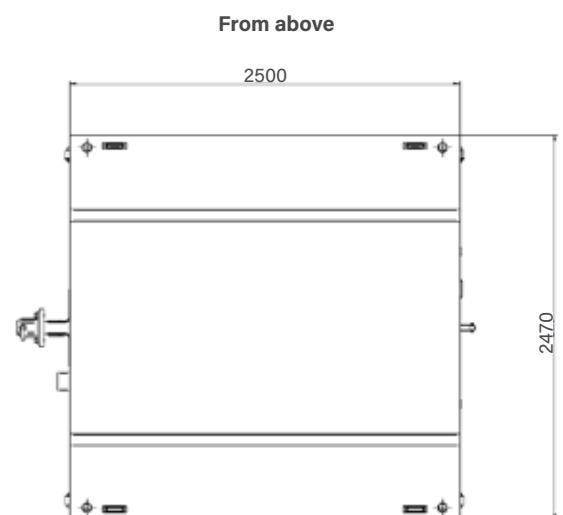
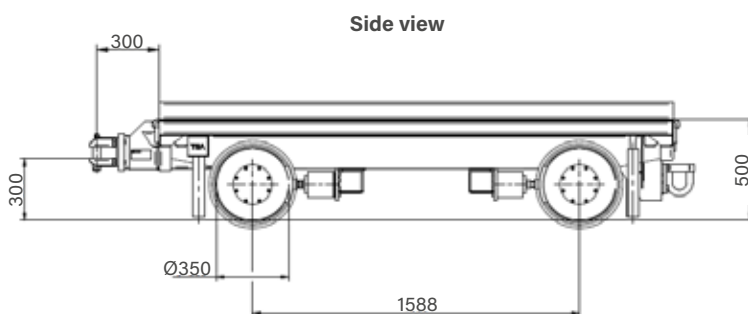
7. Ballast cleaner rubber

8. Support bar

9. Projecting part

10. Stake pockets

## Technical specification





View in action



Attachments / **Railway**

# Sleeper Layer RUS

Center- or end-gripped for quick sleeper laying

Sleeper Layer RUS is available in two basic versions: center-gripping or end-gripping arms.

The center-gripped RUS model is used for traditional sleeper laying or for laying under existing rails (3-armed) and can also be ordered with off-center grabbing to pick sleepers directly from pallet forks. Available with 3, 4, 5 or 6 arms.

The end-gripped RUS can pick all types of wood or concrete sleepers even if they are not placed at the correct distance. Available with 3, 4, 5 or 6 arms.

Do you have any questions? Contact us!

**Efficient**

Quick and safe sleeper laying

**High flexibility**

Flexible for different working methods and rail conditions

**Center-gripped**

Can be offered with off-center grabbing

## More information

### Features

- Center- or end-gripping arms
- Available with 3–6 arms
- Prepared for two dual operating hydraulic circuits or one hydraulic circuit + electric valve

### Detailed description

- Weight: 530–1900 kg
- Incl. transport stand

### Machine requirements

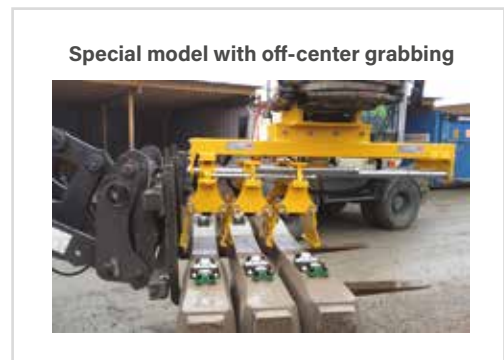
- Recommended machine weight: 12–24 ton (3–4 sleepers), 18–24 ton (5–6 sleepers)
- 2 dual operating hydraulic circuits or 1 hydraulic circuit + 1 electric valve
- Max pressure: 200 bar (2900 psi)
- Oil flow: 30–60 l/min (7.9–15.8 GPM)

### Accessories

Bolt-on Bracket AGS, Extension to center-gripping arms for laying under rails, Rotator for crane mounting, Rangefinder (laser) with lamp set for correct sleeper laying, Fully automatic quick coupler systems from all manufacturers

Product	Operating weight (t)	Item number	Bracket	Type of arms	Weight (kg)	Number of sleepers lifted
RUS 03	12 - 24	156-00126-565-03	Bolt-on Bracket AGS	End-gripping	1150	3
RUS 04	12 - 24	156-00126-565-04	Bolt-on Bracket AGS	End-gripping	1400	4
RUS 05	18 - 24	156-00126-565-05	Bolt-on Bracket AGS	End-gripping	1650	5
RUS 06	18 - 24	156-00126-565-06	Bolt-on Bracket AGS	End-gripping	1900	6
RUS2 03	12 - 24	156-00126-000-03	Bolt-on Bracket AGS	Center-gripping	530	3
RUS2 04	12 - 24	156-00126-000-04	Bolt-on Bracket AGS	Center-gripping	650	4
RUS2 05	18 - 24	156-00126-000-05	Bolt-on Bracket AGS	Center-gripping	800	5
RUS2 06	18 - 24	156-00126-000-06	Bolt-on Bracket AGS	Center-gripping	950	6

## Product description and accessories



1. Center-gripping arms

2. End-gripping arms

3. Upper part hole pattern RA

4. Adapter RA

5. Adjustable bar

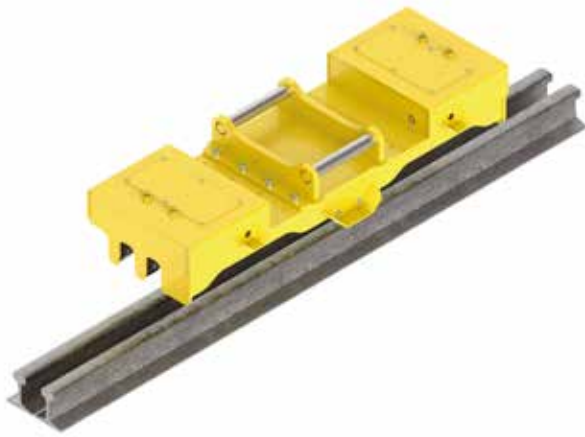
6. Glide axle

7. Mid section

8. Glide section / Gripping arms



View in action



Attachments / **Railway**

# Rail Manipulator RLD

## Safe and gentle rail handling

Rail Manipulator RLD enables safe and quick lifting of rails up to 18 meters and a total weight of 2500 kg. The tool grips the rail by the waist, eliminating the risk of damage or marks on the rail.

RLD can handle one or two rails at the same time. Recesses allow the rails to be stacked tightly next to each other, and the underside of the rail remains free to be placed on the base before the lift is released. Clear indicators show when the rail is in position for locking and when it is locked, increasing safety during lifting.

Do you have any questions? Contact us!

**Safe lifting**

Safe rail handling

**Gentle handling**

Leaves no marks

**Efficient lifting**

Can lift two rails at the same time

**Valve included**

Delivered with pressure limitation valve

## More information

### Features

- Grips the rail by the waist
- Indicators for correct locking

### Detailed description

- Weight: 460 kg (excluding bracket)
- Length: 1800 mm
- Max rail length: 18 meters
- Max load: 2500 kg

### Machine requirements

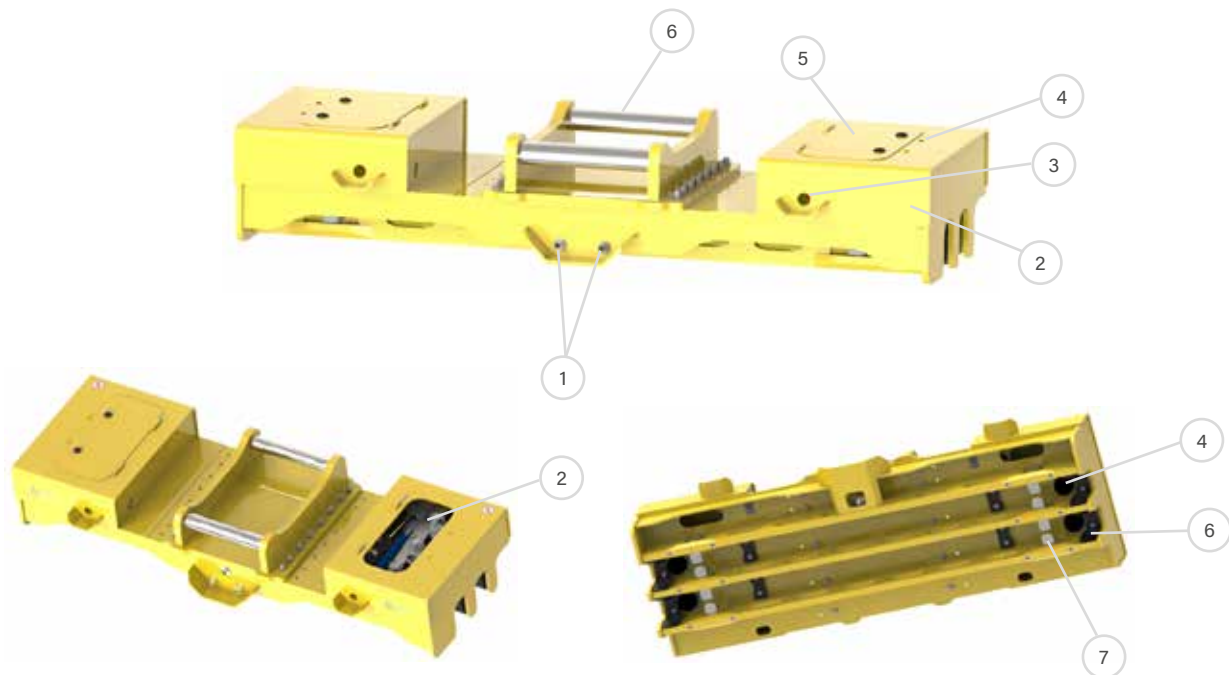
- Recommended machine weight: 15–24 ton
- One double acting hydraulic circuit
- Max pressure: 250 bar (3626 psi)
- Oil flow: max 35 l/min (9.2 GPM)

### Accessories

Bolt-on Bracket AGS, Fully automatic quick coupler systems from all manufacturers

Product	Item number	Bracket	Load capacity (kg)	Weight excl bracket (kg)
RLD12	309-00382-130-02	S45, S50, S60	2500	460

## Product description and accessories



1. Hydraulic connections

2. Linkage housing

3. Lock marker

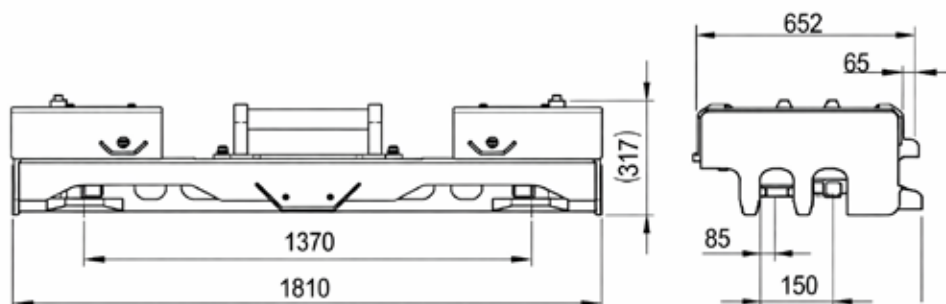
4. Rubber damper

5. Protection hatch

6. Bolt-on adapter

7. Lock lug

## Technical specification





View in action



Attachments / Railway

# Lid Opener LÖP G2

Smooth lifting and positioning of cable trench lids

Generation 2 of the Lid Opener is an efficient tool for quick cable installation in existing cable trenches with concrete lids, both on-top and lowered types.

The lid opener is adjustable for lids up to 75 mm thickness and recommended trench wall thickness 50–80 mm, with the possibility to adjust for greater thickness if required.

Do you have any questions? Contact us!

**High safety**

Quick and safe lifting of cable trench lids

**Adjustable**

Adjustable for different thicknesses and widths

**Flexible**

Can be used for both on-top and lowered lids

## More information

The standard model is adjustable from 142–670 mm, optimal for lids 350–645 mm wide, and can be adjusted for lowered lids with minimum width 130 mm (change of extension rods is recommended for lids smaller than 350 mm).

### Features

- Adjustable width: 142–670 mm
- Optimized for lids 345–645 mm wide
- Adjustable for lid thickness up to 75 mm

### Detailed description

- Extension kit available for lids 655–1055 mm with inner trench dimension 510–910 mm

### Machine requirements

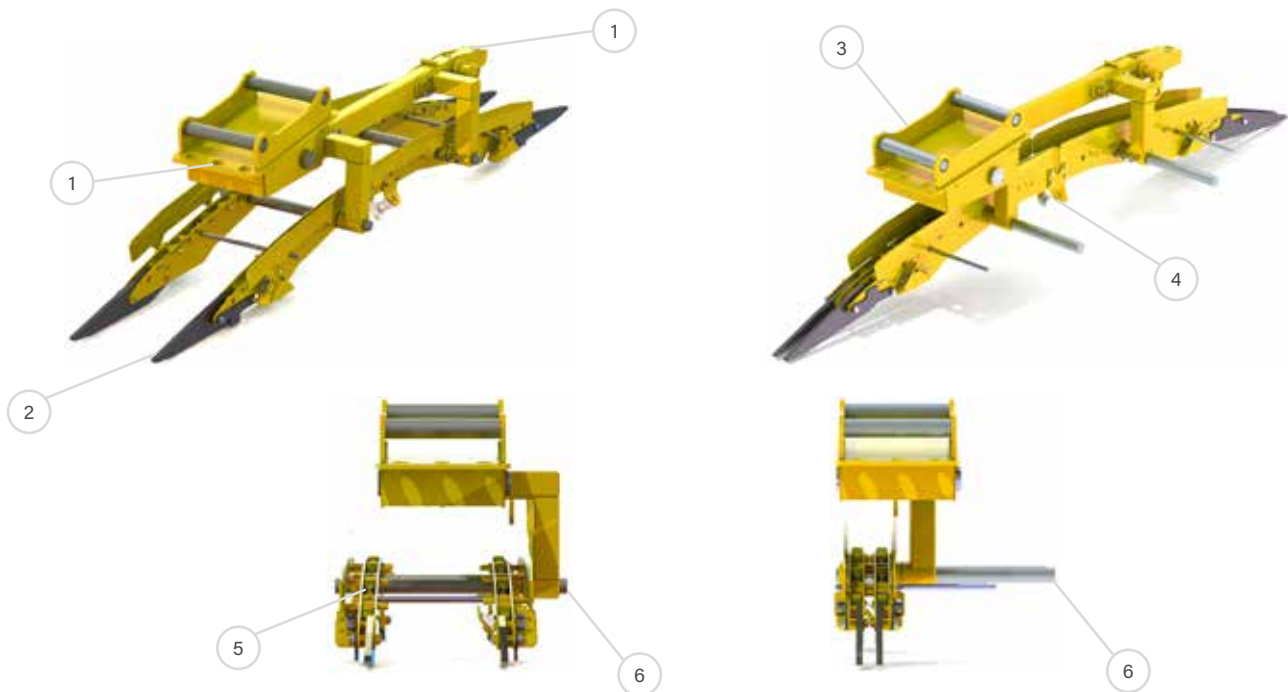
- Recommended machine weight: 4–24 ton
- Weight: 290 kg (excluding bracket)

### Accessories

Bolt-on Bracket AGS, Extension kit

Product	Operating weight (t)	Item number	Bracket	For lids (mm)	Weight (kg)
LÖP 03	4 - 24	170-03228-000-00	Hole pattern	345 - 645	290
LÖP 03-T	Extension kit Lid Opener				

## Product description and accessories



1. Towing holes

2. "Pick-up" Lid lift rail

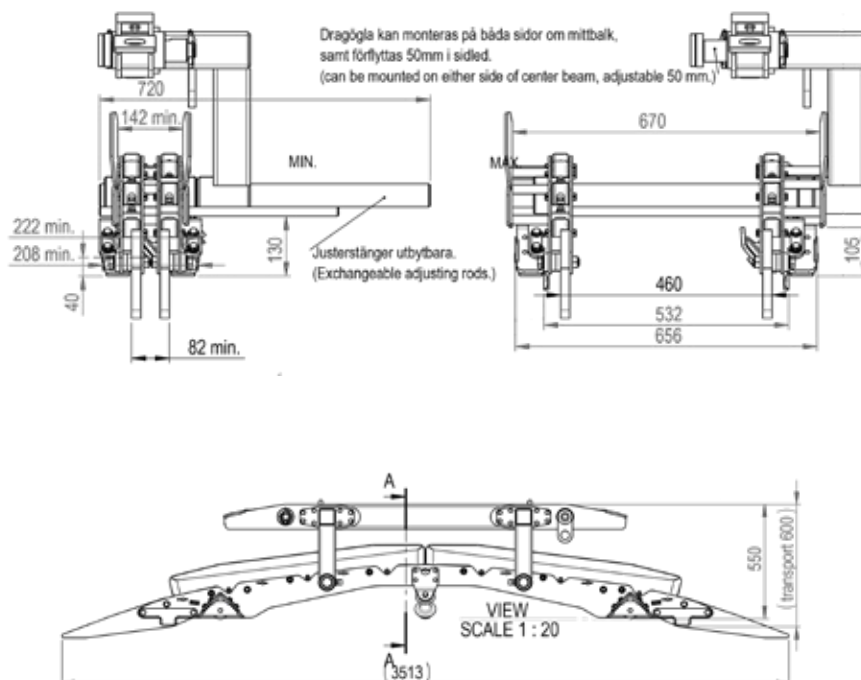
3. Bolt-on adapter

4. Cable guide

5. Transport wheel

6. Adjusting rods (exchangeable)

## Technical specification





View in action



Attachments / Railway

# Cable Trench Lid Grapple GRL-S

Good-value grapple for safe handling of cable trench lids

Cable Trench Lid Grapple GRL-S is an efficient tool for laying and transporting new or old palletstacked cable trench lids. The grapple arms are rubber coated for a secure hold without damaging the lids. The latest model has adjustable arms that can be locked in parallel position for maximum stability and safety when handling different lid models. The grapple is delivered with load-holding valve and accumulator.

Do you have any questions? Contact us!

**Safety**

Secure and steady grip without damage

**Adjustable**

Adjustable arms for different lid models

**Smooth handling**

Easy and quick handling

## More information

### Features

- Rubber coated grapple arms
- Adjustable arms that can be locked in parallel position
- Load-holding valve and accumulator

### Detailed description

- Max load: 800 kg
- Width: 350 mm
- Handles lids up to 1000 mm

### Operating machine

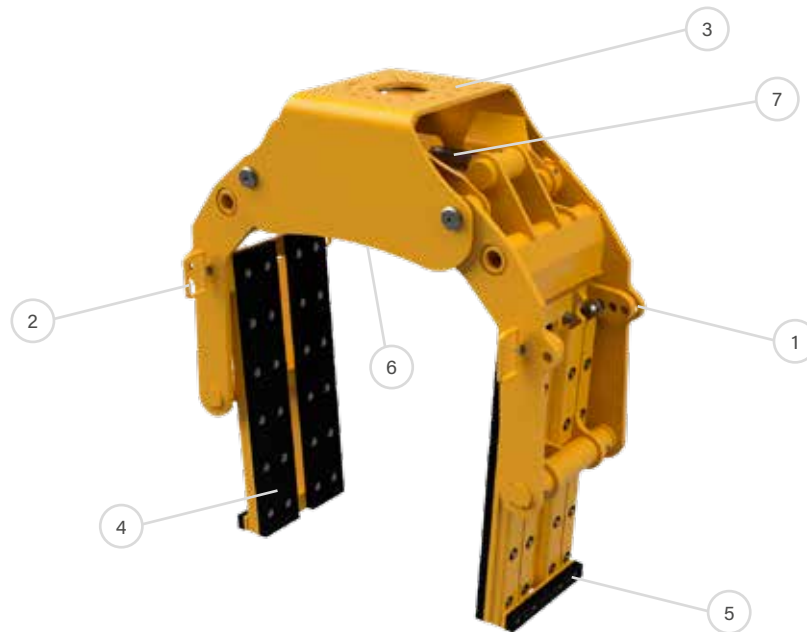
- Recommended machine weight: 8–24 ton
- One double acting hydraulic circuit
- Max pressure: 250 bar (3626 GPM)
- Oil flow: 40 l/min (10.6 GPM)

### Accessories

Bolt-on Bracket AGS

Product	Item number	Load capacity (kg)	Weight (kg)
GRL-S	315-10025-000-80	800	375

## Product description and accessories



1. Locking arms in parallel position

2. Handle

3. Hole pattern for bolt-on adapter

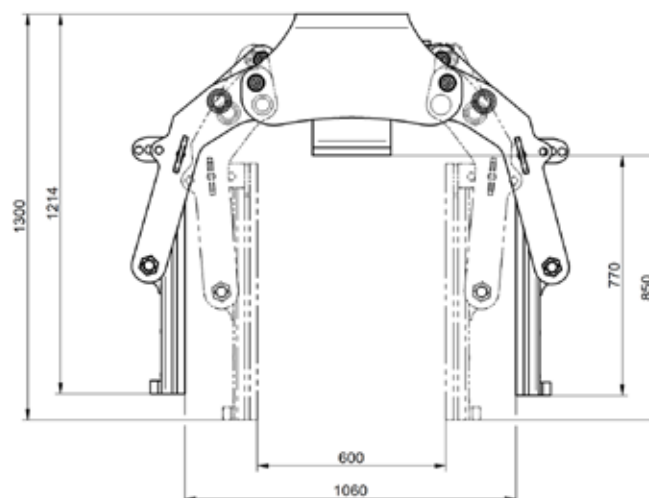
4. Rubber coated grapple arms

5. Outer rubber protection

6. Rubber protection

7. Hydraulic cylinder

## Technical specification



Attachments / **Railway**

# Cable Trench Lid Grapple GRL Premium



Premium grapple with wide grip width and high safety

Cable Trench Lid Grapple Premium GRL is a flexible and efficient tool for quick and safe handling of new or old pallet-stacked cable trench lids. The grapple is specially developed for handling and positioning lids in existing cable trenches. The grapple tines are parallel and equipped with a load-holding valve that provides a safe grip even if hydraulic pressure drops. Rubber grips on the tines provide a secure hold without damaging the lids. It is built for trench lids 380–1380 mm long and has adjustable grip width 270–1270 mm. Grapple width is 350 mm.

Do you have any questions? Contact us!

**Safe handling**

Quick and safe handling of cable trench lids

**Adjustable**

Adjustable parallel tines with load-holding valve

**Gentle**

Gentle grip with rubber grips

## More information

### Features

- Built for trench lids 380–1380 mm long
- Adjustable grip width: 270–1270 mm
- Load-holding valve and parallel tines

### Detailed description

- Weight: 235 kg
- Max load: 800 kg
- Internal grip height: 1080 mm
- Grapple tine width: 350 mm

### Machine requirements

- Recommended machine weight: 8–24 ton
- One double acting hydraulic circuit
- Max pressure: 250 bar (3626 psi)
- Oil flow: 40–60 l/min (10.6–15.8 GPM)

### Accessories

Bolt-on Bracket AGS, Fully automatic quick coupler systems from all manufacturers

Product	Item number	Load capacity (kg)	Width grapple tines (mm)	For trench lid (mm)	Weight (kg)
GRL	315-02000-000-80	800	350	380 - 1380	700

## Product description and accessories



1. Bolt-on adapter

2. Rubber protection

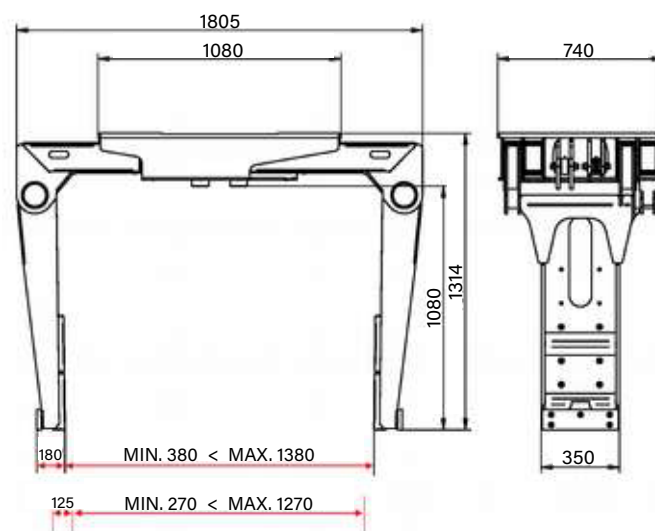
3. Rubber coated grapple arms

4. Outer rubber protection

5. Grapple arm

6. Hydraulic cylinder

## Technical specification



Attachments / **Railway**

# Ballast Bucket SKBS

Sturdy bucket for digging between tracks

Ballast Bucket SKBS is an effective bucket for excavating between tracks. The standard bucket is designed for track gauge 1435 mm with adjustable plunge depth, but can be designed for other track gauges if required.

The bucket is made in strong 400HBW steel, ensuring high wear resistance and long service life.

Do you have any questions? Contact us!



**Long service life**

Robust construction for long service life

**Flexible**

Adjustable plunge depth for flexible use

**Adaptable**

Can be designed for different track gauges

## More information

### Features

- Standard track gauge: 1435 mm (can be adapted)
- Manufactured in 400HBW steel

### Detailed description

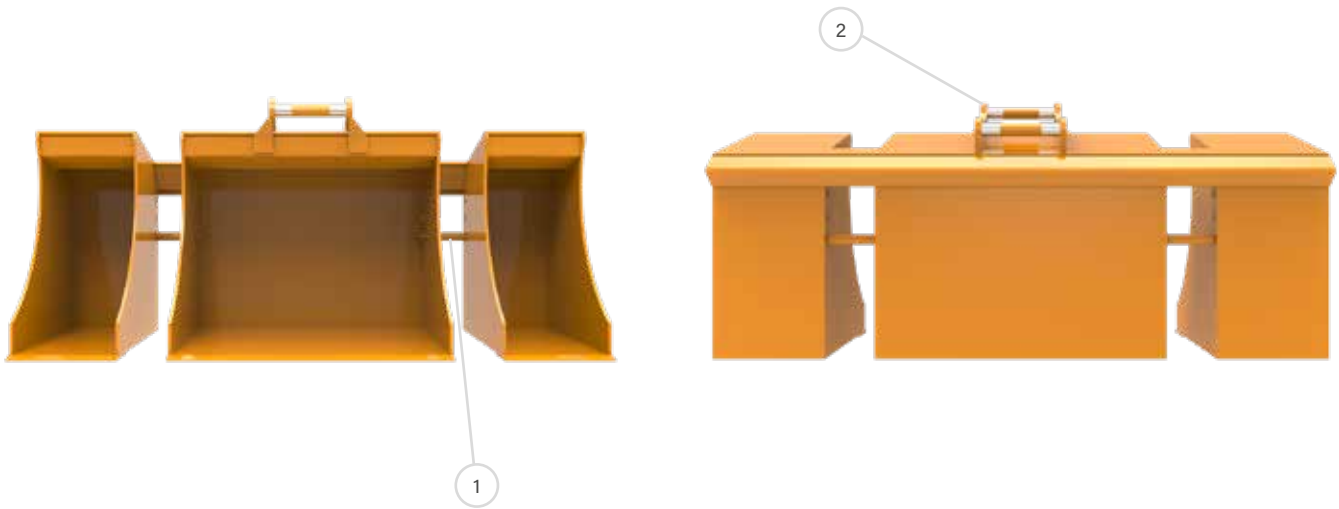
- Weight: 1180 kg
- Width: 2700 mm
- Height: 1060 mm

### Machine requirements

- Recommended machine weight: 12–24 ton

Product	Item number	Bracket	Width (mm)	Depth (mm)	Volume (liter)	Weight (kg)
SKBS	605-00107-777-27	S45	2700	800	1140	975
SKBS	605-00109-777-27	S50	2700	800	1140	975
SKBS	605-00111-777-27	S60	2700	800	1140	975

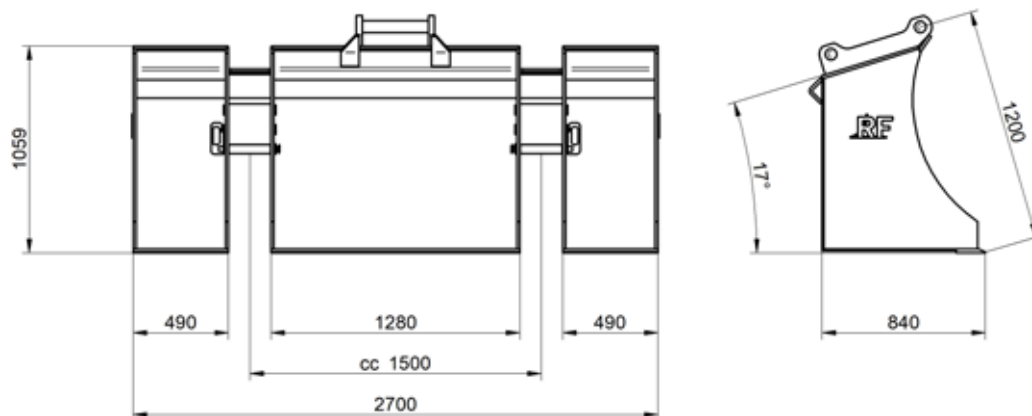
## Product description and accessories



1. Axle for adjustable depth

2. Bracket

## Technical specification





View in action



Attachments / **Railway**

# Dual Rotor Brush ROB

Powerful steel brush for tough sweeping

Dual Rotor Brush ROB is an effective brush that cleans both sides of the rail waist. The brush is adjustable to fit different rail sizes and varying brush wear, and the angle between the brush and the supporting wheel running along the rail can easily be adjusted for optimal sweeping.

Do you have any questions? Contact us!

**Efficient**

Effective brushing on both sides of the rail waist

**Adjustable**

Adjustable for different rail sizes

**Flexible**

Adjustable brush angle for best results

**Different brush types**

Possibility to choose different brush types

## More information

### Features

- Steel brush able to withstand rough use
- Adjustable for varying brush wear
- Angle adjustable in relation to supporting wheel

### Detaljerad beskrivning

- Weight: 290 kg
- Brush disc diameter: 750 mm

### Machine requirements

- One double acting hydraulic circuit
- Max pressure: 200 bar (2900 psi)
- Oil flow: 60–120 l/min (15.8–31.7 GPM)

### Accessories

Bolt-on adapter AGS SKB, Fully automatic quick coupler systems from all manufacturers

Product	Item number	Motor (ccm)	Diameter (mm)	Weight (kg)
ROB 2020	195-33000-179-09	400 x 2	750	290

## Product description and accessories



1. Bolt-on adapter

2. Motor

3. Brush disc

4. Steel brush

5. Rail roller

6. Width adjustment

7. Height adjustment

8. Angle adjustment

9. Single Rotor Brush



Attachments / **Railway**

# Dozer Blade SHB

Versatile blade for ballast, snow and ice

Dozer Blade SHB is designed for work on railway and can be used for clearing ballast, snow or ice. The blade has a reversible edge and replaceable rubber blade, making it easy to adapt to different tasks, for example ploughing ballast to reveal cables.

Do you have any questions? Contact us!



**Flexible use**

Reversible edge for flexible use

**Adaptable**

Replaceable rubber blade

**Versatile**

Suitable for ballast, snow and ice

## More information

### Features

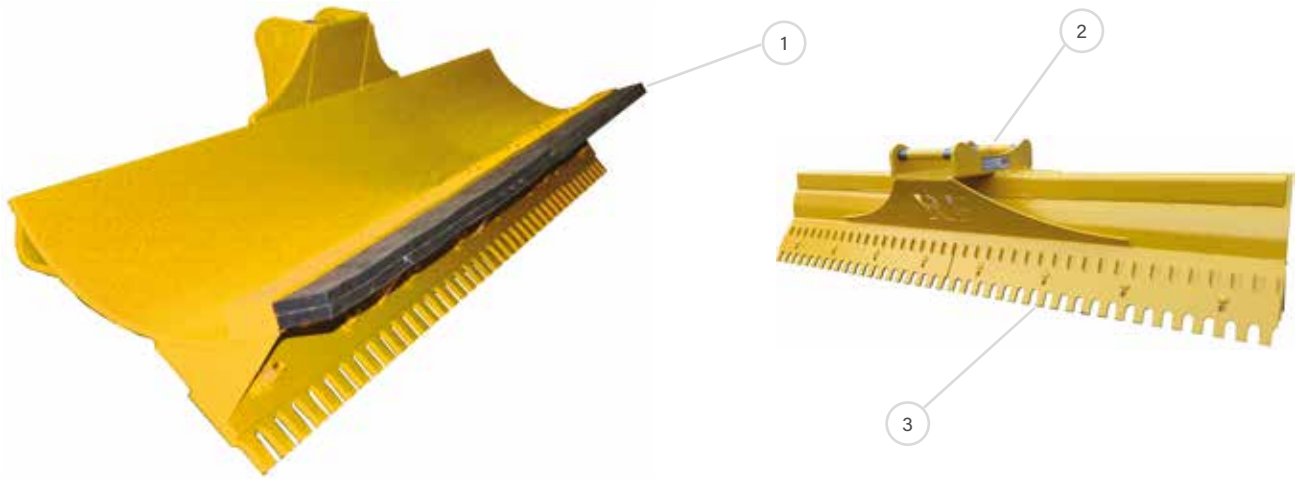
- Robust construction for railway environment
- Adaptable with rubber blade
- Suitable for different types of clearing work

### Detailed description

- Weight: 240 kg
- Length: 2400 mm

Product	Item number	Bracket	Length (mm)
SHB	072-00107-000-24	S45	2400
SHB	072-00109-000-24	S50	2400
SHB	072-00111-328-24	S60	2400

## Product description and accessories



1. Rubber blade

2. Bracket

2. Reversible ice blade



Attachments / **Railway**

# Rail Clamshell Bucket C18VE/RIG-Rail

Efficient bucket for excavating between sleepers

Rail Clamshell Bucket C18VE is adapted for excavating between sleepers and offers an economical and flexible solution. The shells can be replaced to easily switch between functions. The bucket carrier, hydraulics and bearings are integrated into the main module.

Do you have any questions? Contact us!

**High safety**

Safe handling with non-return valve

**Flexible**

Replaceable shells and accessories

**Robust and durable**

Reinforced main frame

**Long service life**

500 HB steel in the cutting edges

## More information

To endure the forces caused by its rigid mounting, the main carrier of this C18VE model is specially reinforced. The 280 mm (11 in) wide shells have extra reinforced side walls in 15 mm (0.6 in) Hardox.

A non-return valve ensures continuous load safety of the load, even if the pressure drops. The bucket is suitable for excavators with an operating weight between 13 and 18 tons.

### Advantages

- Safe handling with non-return valve
- Flexible with replaceable shells and accessories
- Robust and durable construction
- Long service life ensured through 500HB steel in the cutting edges and a generously dimensioned bearing system with special coating
- Excellent digging performance thanks to high closing forces
- Low overall height makes it ideal for railway applications

### Features

- Robust and sustainable design for long life cycle
- Hydraulics integrated into the main frame

### Detailed description

- Weight: 315 kg (excluding bracket and accessories)
- Height: 1280 mm (including accessories)
- Max load: 4500 kg

### Excavator requirements

- Recommended operating weight: 13–18 ton
- Operating pressure: maximum 320 bar (4641 psi)
- Pump capacity: 75–150 l/min (19.8–39.6 GPM)

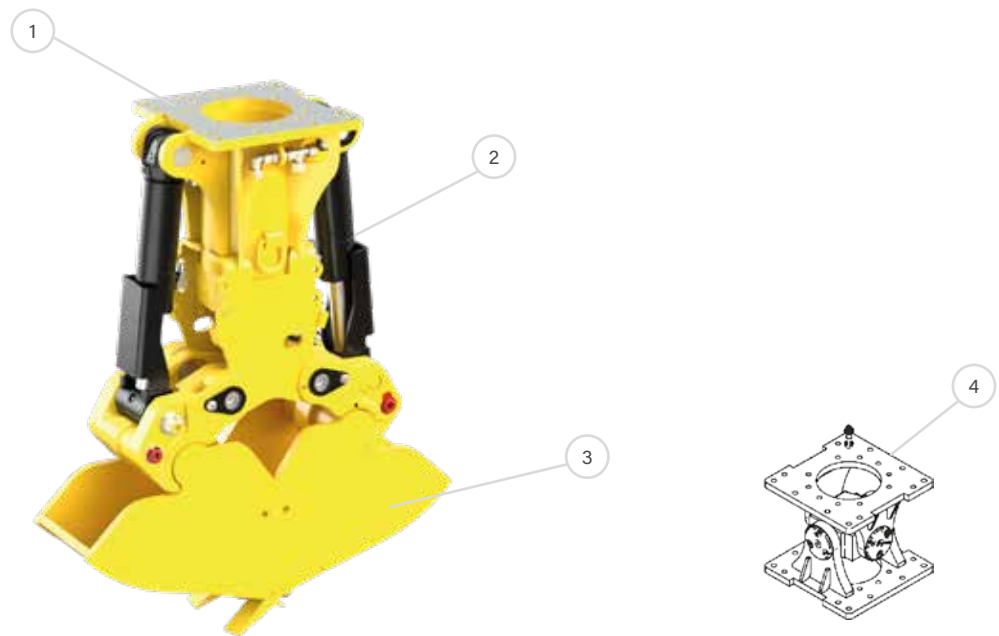
### Accessories

Bolt-on Bracket AGS, Fully automatic quick coupler systems from all manufacturers, Shells with width 280 to 1000 mm, Rail grapple, Rotator for excavator, Rotator for crane mounting

Product	Width E (mm/in)	Opening A (mm/in)	Height C max. (mm/in)	Length F (mm/in)	Volume (liters/c.y.)	Number of teeth	Weight (kg/lbs)	Load Capacity (kg/lbs)
C18VE-28/RIG-Rail	280 / 11.0	1330 / 52.4	1280 / 50.4	1020 / 40.2	60 / 0.08	3	475 / 1045	4500 / 9900

Package consists of: hydraulic carrier unit for rigid mount, shells with bolt-on teeth, 2 welded eyes and non-return valve

## Product description and accessories\*



1. Hole pattern for adapter

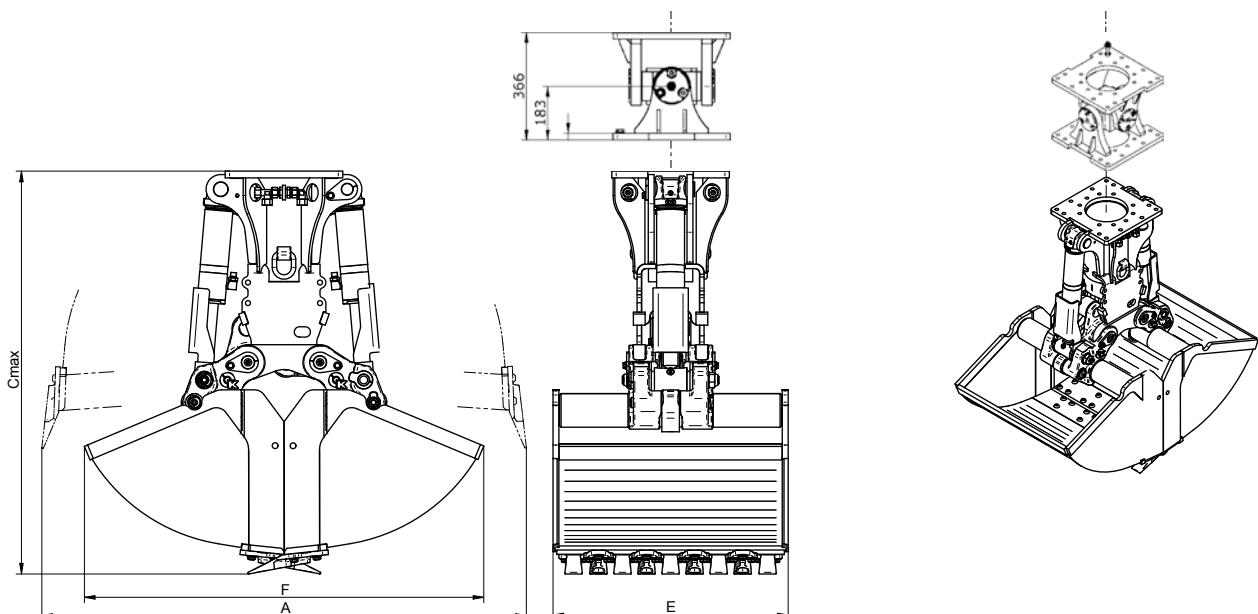
2. Cylinder

3. Exchangeable shells and accessories

4. Optional: Cardanic joint

\*accessories - see next page











## Technical specification



## Exchangeable Shells for C18VE

### Exchangeable Shells for C18VE - rigid and cardanic mount

Shells are interchangeable and available in all widths. Fast exchange thanks to shell exchange aid kit.

PRODUCT	WIDTH (mm/in)	OPENING (incl. teeth) (mm/in)	TOTAL HEIGHT (mm/in)	VOLUME (liters/c.y.)	NUMBER OF TEETH	LOAD CAPACITY (kg/lbs)	CLOSING FORCES (kN/lbf)	WEIGHT shells only (kg/lbs)
<b>Excavating Shells</b>    								
C18VE-28S-Rail	280 / 11.0	1330 / 52.4	1500 / 59	60 / 0.08	3	4500 / 9900	54 / 11880	150 / 330
C18VE-40S-Rail	400 / 15.7	1330 / 52.4	1500 / 59	100 / 0.13	3	4500 / 9900	54 / 11880	170 / 374
C18VE-50S-Rail	500 / 19.7	1330 / 52.4	1500 / 59	125 / 0.16	5	4500 / 9900	54 / 11880	185 / 407
C18VE-60S-Rail	600 / 23.6	1330 / 52.4	1500 / 59	150 / 0.19	5	4500 / 9900	54 / 11880	215 / 473
C18VE-80S-Rail	800 / 31.5	1330 / 52.4	1500 / 59	200 / 0.26	7	4500 / 9900	54 / 11880	265 / 583
C18VE-100S-Rail	1000 / 39.4	1330 / 52.4	1500 / 59	250 / 0.33	9	4500 / 9900	54 / 11880	315 / 693
<b>Sleeper Grab Tines</b>  								
C18VE-50S RG	500 / 19.7	1250 / 49.2	1400 / 55.1	-	-	4500 / 9900	44 / 9680	130 / 286
<b>Multi Purpose Tines</b>  								
C18VE-60S A	590 / 23.2	1660 / 65.4	1625 / 64.0	180 / 0.24	5	4500 / 9900	41 / 9020	340 / 748
<b>Well Shaft Shells</b>  								
C18VE-97S WSG	Ø970 / 38.2	970 / 38.2	1410 / 55.5	110 / 0.14	5	4500 / 9900	65 / 14300	170 / 374

Note: larger shells available on request

Trench Bucket SKK



Digging Bucket SKD with teeth



Digging Bucket SKD without teeth



Grading Bucket SKP



Loader Grading Bucket SKL



## Buckets & Others

Smart, robust and durable buckets specially designed for tiltrotators

**Standard** - We have a standard range of buckets including the most common bucket models and sizes.

**Special** - Specially adapted buckets for specific needs for railway works. We also offer buckets designed according to your own requested measurements.

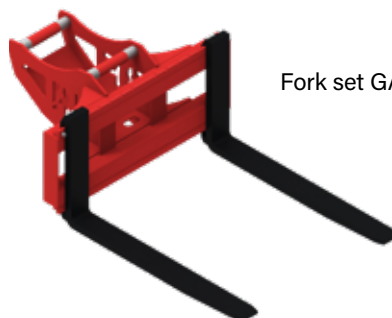
**Construction** - Our buckets are manufactured and continuously improved in consultation with contractors with long experience, but also together with young entrepreneurs with new ideas.

**Quality** - Angles, plate thickness and quality of steel are selected to fit the buckets' purpose and adapted to the power of the excavators that will be using them.

**Optimized** - The buckets are optimized for maximum durability combined with lowest weight, in order to reduce the machine's fuel consumption and environmental impact.

Do you have any questions? Contact us!

## Others

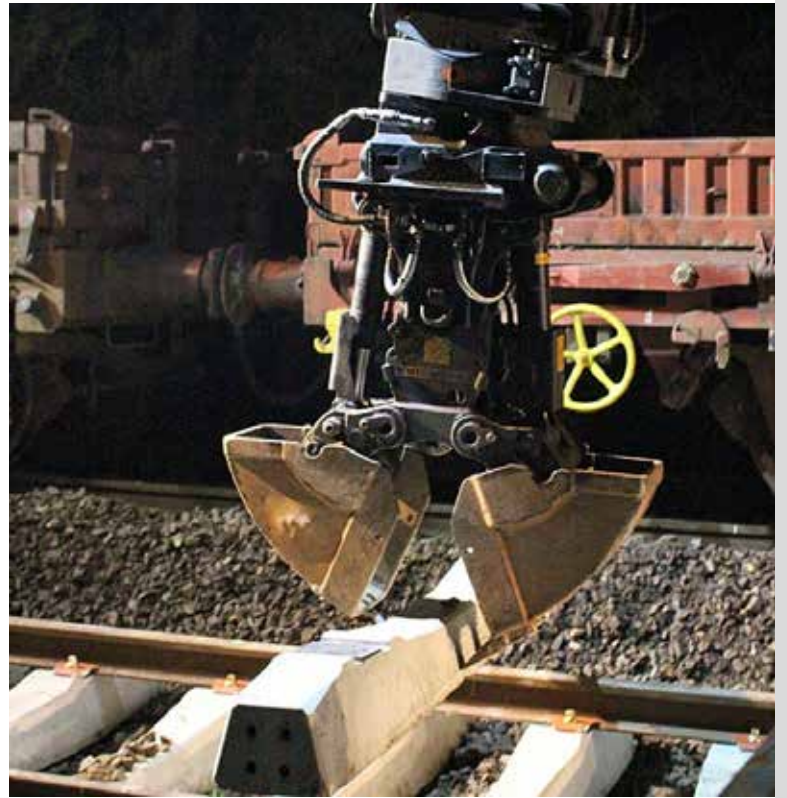


Fork set GAF - Mechanical forks



Hydraulic Fork set GAH - Hydraulic forks

Railway  
Equipment for quick coupler  
& crane



Attachments / **Railway**



# Ballast Tamper with integrated rotation RST03HD

High frequency vibrating unit for quick ballast packing

Using a RST03HD ballast tamper with rotation, the packing of ballast under sleepers is not only fast, but also efficient and economical. Ideal for road-rail excavators with 14t / 30800 lbs up to 24t / 52800 lbs operating weight. Suitable for all kinds of sleepers.

Do you have any questions? Contact us!

**Efficient**

Complete with high frequency vibrating unit and rotation

**Flexible**

Adjustable arms and force

## More information

The strong, silent compressor destabilizes the gravel ballast, while the built-in vibration unit is running. The four arms are thrust into the gravel and pack it by vibrating. They move alongside and below the sleeper into the ground and tamper optimally.

### Advantages

- Low weight
- High frequency
- Low noise operation!

### Features

- Strong vibration rubbers for low vibration against the machine
- Adjustable tamping depth for concrete sleepers or for steel and timber ties

### Detailed description

- Weight: 1025 kg

### Excavator requirements

- Recommended operating weight: 14–24 ton
- Three hydraulic circuits needed, two of them double effective (open/close and rotation) and one hammer line (vibration), with free line to the tank and overflow oil line
- Operating pressure (open/close/vibration): max 150 bar / 2160 psi
- Operating pressure (rotate): max 140 bar (2016 psi)
- Rec. oil flow (open/close): 50–85 l/min (13.2-22.5 GPM)
- Rec. oil flow (vibration): 40–45 l/min (10.6-11.9 GPM) (free line to tank required)
- Rec. oil flow (rotate): 25–45 l/min (6.6-11.9 GPM)

### Accessories

Bolt-on adapter, Supporting rack for transport for RST03HD

Product	Gripping range A (mm/in)	Length B (mm/in)	Height C (mm/in)	Width E (mm/in)	Gripper elements (pcs)	Compaction force (kg/lbs)	Weight (kg/lbs)	Load Capacity (kg/lbs)
RST03HD	195 - 650 / 7.8 - 25.6	840 / 33.1	1600 / 63	635 / 25	4	7500 / 16500	1025 / 2255	4500 / 9900

**Package consists of:** ballast tamper, vibrating unit, Kinshofer rotation incl. 2 motors

## Product description and accessories



1. Vibrating unit and rotation

2. Hydraulic cylinder for legs

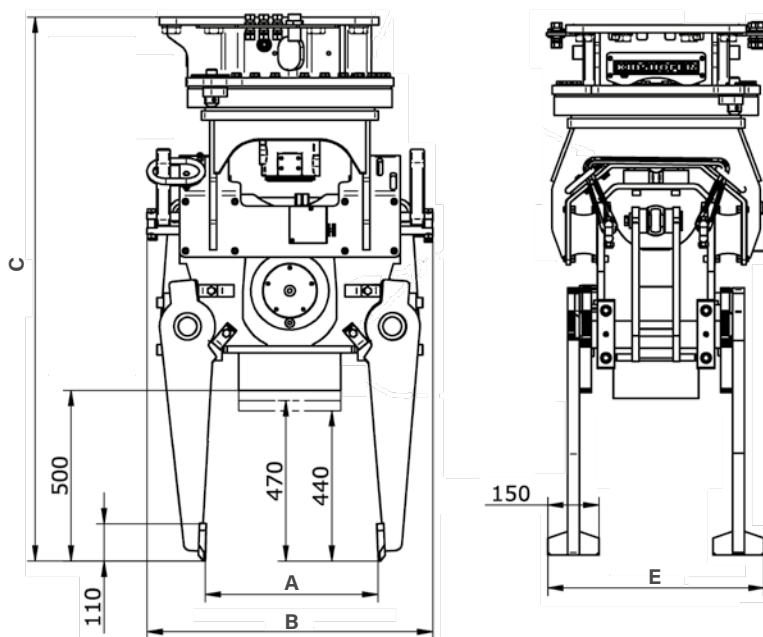
3. Bar strap

4. Legs for compacting

5. Adjustment plate for other packing depth

6. Transport support

## Technical specification



Attachments / **Railway**

# Sleeper Layer RUS

Center- or end-gripped for quick sleeper laying

Several concrete sleepers are clamped together at the same time by hydraulic grippers and then layed into the ballast bed. This saves time compared to placing sleepers individually. The position of the traversing arms can vary within the specified range.

The center gripped RUS model is suitable for narrow areas close to sidetracks and foundations, as the layer grabs the sleeper in the center.

Do you have any questions? Contact us!



**Efficient**

Quick and safe sleeper laying

**Flexibility**

Suitable for nearly all types of waisted sleepers

**Safety**

A special holding valve provides a safe grip - even if pressure drops

## More information

### Features

- Center- or end-gripping arms
- Precise positioning thanks to the mounted 10t rotator with 4 oil ducts and hose guard

### Detailed description

- Weight: 1700 kg (end gripping arms)
- Weight: 1390 kg (center gripping arms)

### Excavator requirements

- Recommended operating weight: 14–24 ton
- Three hydraulic circuits or two hydraulic circuits plus one solenoid valve needed
- Operating pressure: max 200 bar / 2880 psi
- Recommended. oil flow: 25 – max 50 l/min (6.5 - max 13 GPM)

### Accessories

- T630 cardanic upper suspension w pendulum damper for "Atlas"
- T650 rigid bolt-on adapter for "Atlas" quick coupler T620
- KM 980-2 2t-8t c solenoid valve KM 980-2 for 12/24 V. Complete attachment kit including assembly components for extension to the third hydraulic control circuit

Product	Operating weight (t)	Gripping range A (mm)	Length B (mm)	Height C (mm)	Width E (mm)	Number of grip tongs (pcs)	Jaw width (mm)	Sleeper width (mm)	Weight single sleeper max (kg)	Type of arms	Weight (kg)
RUS 05	14 - 24	150 - 265	2820	1553	825	5	330	300/320	350	Center-gripping	1390
RUS2 05	14 - 24	2400 - 2800				5	180	280/300/320	350	End-gripping	1700

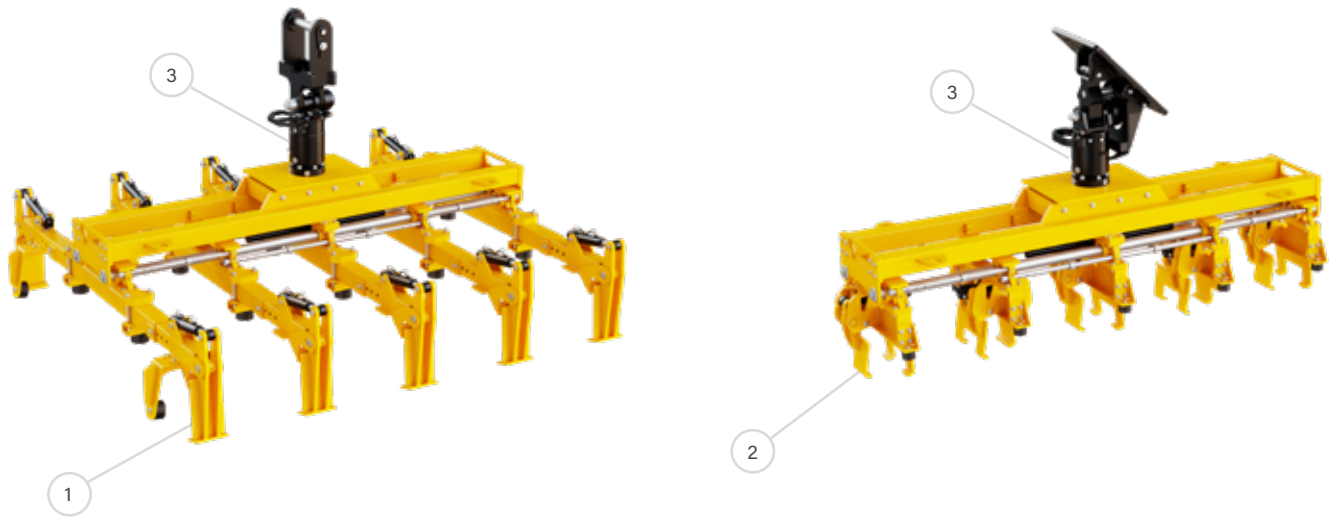
**Package consists of:** sleeper layer, Kinshofer rotator with hose guard, upper suspension with pendulum damper KM511, counter-balance valve, connection plate

### KINSHOFER Rotator

Product	Upper connection (width x pin-Ø) (mm/in)	Torque (Nm/ft.lbs)	Moment of deflection (Nm/ft.lbs)
KM 10 F173-45-4DD	100 x 45 / 3.9 x 1.8	2000 / 1475	12000 / 8850

Continuous rotation and four oil passages. Overload protection is ensured by pressure relief valves

## Product description and accessories

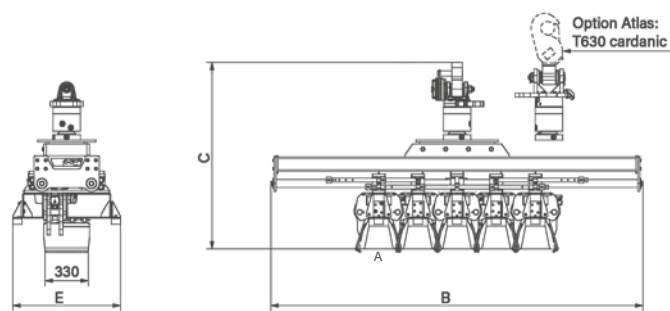


1. End-gripping arms

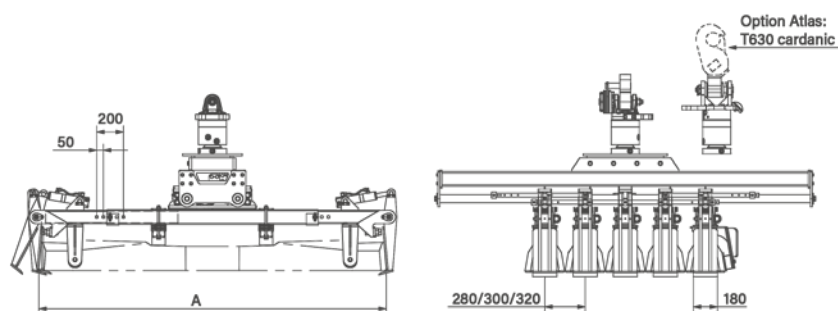
2. Center-gripping arms

3. Rotator

## Technical specification



RUS05



RUS2 05

Attachments / **Railway**




# Sleeper Changer with integrated rotator

## RBS20

### Flexible sleeper changer with integrated rotator

Sleeper Changer RBS20 is equipped with an integrated rotator, enabling use directly on the excavator without a tiltrotator. It features bolt-on ballast buckets with adjustable depth for excavation between the tracks and is designed to handle both BiBloc sleepers and full-length sleepers.

 Do you have any questions? Contact us!

#### **Integrated rotator**

Enabling use without tiltrotator

#### **Handling**

Designed to handle BiBloc sleepers and full-length sleepers

#### **Flexible**

HPX cylinderless grapple drive unit and bolt-on ballast buckets

#### **Safe grip**

Load-holding valve for safe grip, even if hydraulic pressure drops

## More information

The large shield with buckets clears the track from the ballast. The sleeper is then grabbed by the hydraulically operated gripper and pulled out from the ballast bed. Once the new sleeper is placed, the shield is used to bring back and level the ballast again.

### Advantages

- Reduced wear due to the use of HARDOX quality steel

### Features

- Adjustable plunge depth of the shield via adjustable limit rods
- 3 bolt-on ballast buckets, exchangeable in a few minutes
- Also available with HPX cylinderless grapple drive units
- Direct mounting on the excavator
- 360° endless rotation due to integrated 15t-rotator
- Short version with adjusted kinematics RBS20-S: gripping unit directly mounted to the shield
- BiBloc sleepers can be gripped hydraulically by spreading the clamps

### Detailed description

- Max load: 2000 kg
- Width: 2800 mm

### Excavator requirements

- Recommended operating weight: 14–24 ton
- Two hydraulic circuits
- Operating pressure (open/close): max 200 bar (2880 psi)
- Operating pressure (rotate): max 350 bar (5040 psi)
- Recommended oil flow (open/close): 50–75 l/min (13.2–19.8 GPM)
- Recommended oil flow (rotation): 20–50 l/min (5.3–13.2 GPM)

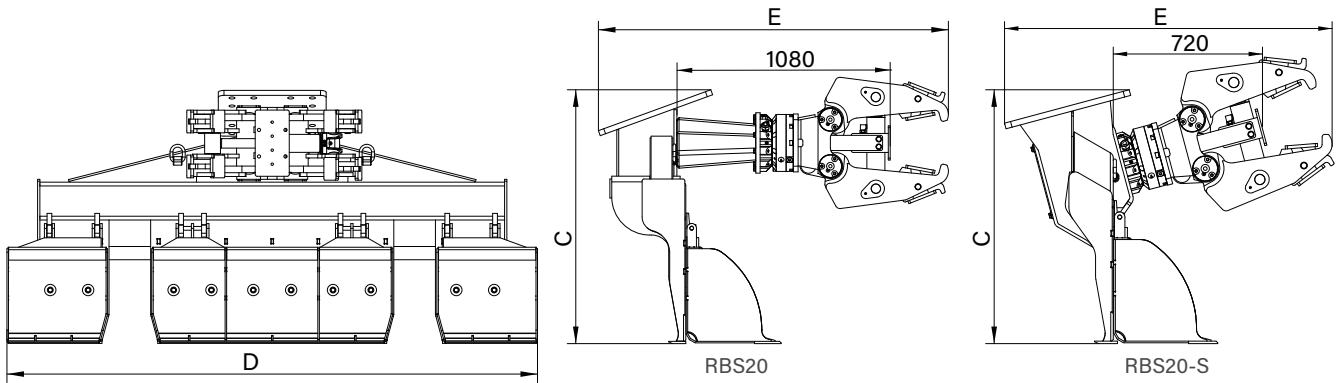
### Accessories

Bolt-on Bracket AGS

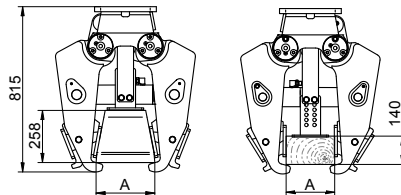
Product	Gripping range (mm/in)	Length D (mm/in)	Height C (mm/in)	Width E (mm/in)	Gripper elements (pcs)	Load Capacity (kg/lbs)	Weight (kg/lbs)
RBS20	240 - 300 / 9.5 - 11.8	2800 / 110.2	1320 / 52.0	1840 / 72.4	4	2000 / 4400	1260 / 2770
RBS20-S	240 - 300 / 9.5 - 11.8	2800 / 110.2	1220 / 48.0	1570 / 61.8	4	2000 / 4400	1160 / 2552

**Package consists of:** sleeper changing unit with ballast shield and 3 bolt-on ballast buckets, KINSHOFER rotator KM 15 F273/273, non-return valve

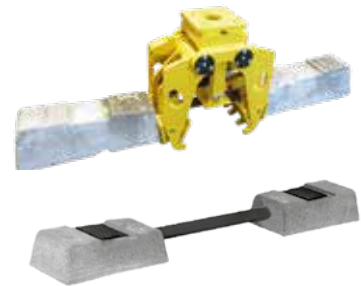
# Technical specification



External pads to grip BiBloc concrete sleepers by opening the hydraulic gripper



Internal pads and adjustable plunge depth allow the gripping of MonoBloc sleepers of different sizes and material (concrete and wood)




Attachments / **Railway**



# Sleeper Changer with integrated rotator RBS20HPX

## Flexible sleeper changer with integrated rotator

Sleeper Changer RBS20 is equipped with an integrated rotator, enabling use directly on the excavator without a tiltrotator. It features bolt-on ballast buckets with adjustable depth for excavation between the tracks and is designed to handle concrete sleepers as well as wooden or steel sleepers of different shapes and sizes.

 Do you have any questions? Contact us!

 **Integrated rotator**

Enabling use without tiltrotator

 **Handling**

Designed to handle concrete, wooden or steel sleepers

 **Flexible**

HPX cylinderless grapple drive unit and bolt-on ballast buckets

 **Safe grip**

Load-holding valve for safe grip, even if hydraulic pressure drops

## More information

The large shield with buckets clears the track from the ballast. The sleeper is then grabbed by the hydraulically operated gripper and pulled out from the ballast bed. Once the new sleeper is placed, the shield is used to bring back and level the ballast again.

### Advantages

- Reduced wear due to the use of HARDOX quality steel

### Features

- Adjustable plunge depth of the shield via adjustable limit rods
- 3 bolt-on ballast buckets, exchangeable in a few minutes
- Also available with HPX cylinderless grapple drive units
- Direct mounting on the excavator
- 360° endless rotation due to integrated 15t-rotator
- Short version with adjusted kinematics RBS20HPX-S: gripping unit directly mounted to the shield

### Detailed description

- Max load: 2000 kg
- Width: 2800 mm

### Excavator requirements

- Recommended operating weight: 14–24 ton
- Two hydraulic circuits
- Operating pressure (open/close): max 200 bar (2880 psi)
- Operating pressure (rotate): max 350 bar (5040 psi)
- Recommended oil flow (open/close): 25–75 l/min (6.6–19.8 GPM)
- Recommended oil flow (rotation): 20–50 l/min (5.3–13.2 GPM)

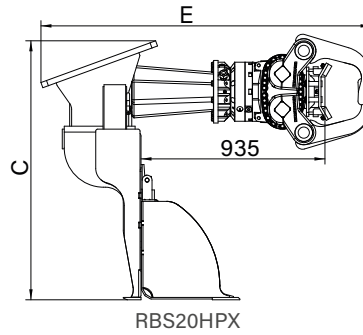
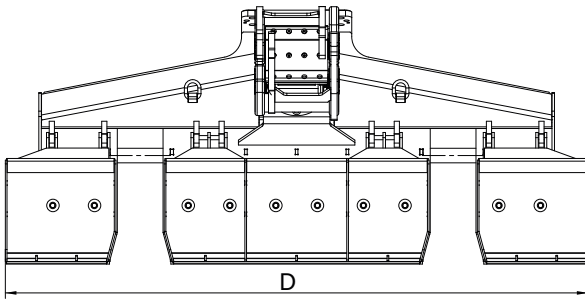
### Accessories

Bolt-on Bracket AGS

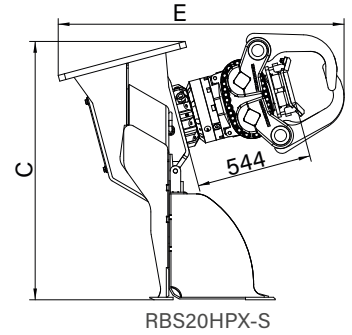
Product	Gripping range (mm/in)	Length D (mm/in)	Height C (mm/in)	Width E (mm/in)	Gripper elements (pcs)	Load Capacity (kg/lbs)	Weight (kg/lbs)
RBS20HPX	270 - 570 / 10.6 - 22.4	2800 / 110.2	1340 / 52.8	1670 / 65.8	4	2000 / 4400	1250 / 2750
RBS20HPX-S	270 - 570 / 10.6 - 22.4	2800 / 110.2	1220 / 48.0	1280 / 50.4	4	2000 / 4400	1170 / 2574

**Package consists of:** sleeper changing unit with ballast shield and 3 bolt-on ballast buckets, KINSHOFER rotator KM 15 F273/273 and HPXdrive, non-return valve

# Technical specification



RBS20HPX



RBS20HPX-S



Attachments / **Railway**

# Rail Grapple with HPXdrive KM 632 HPX-E Rail

**Loading and unloading of rails and handling single sleepers**

The rail grapple with its HPXdrive is used for the loading and unloading of rails, but also, with care, handle single sleepers. A non-return valve secures constant pressure even in case of unexpected pressure drop. The revolutionary HPXdrive technology guarantees a reliable and virtually maintenance free attachment.

Do you have any questions? Contact us!

**Precise positioning**

Thanks to the mounted 360° rotator

**Profitability**

Low maintenance costs and longer life cycle

**Reliable**

Reliability of the HPXdrive

**Safe grip**

Non-return valve secures constant pressure, even if pressure drops

## More information

Reliability of the HPXdrive! The movement of the arms of the grapple is generated by two hollow shafts, which run opposed and have a helix thread, hydraulically driven by a single piston. No more hydraulic cylinder

### Features

- Longer life cycle up to 50%. Self-lubrication: The drive unit runs in a permanent oil bath. The compact design makes the HPXdrive resistant to dirt and debris.
- Versatility with different types of shells that can easily be refitted onto the driving unit.
- Profitability through low maintenance costs and longer life cycle
- Precise positioning thanks to the mounted 360° rotator
- Constant closing force during the entire opening and closing process

### Detailed description

- Max load: 2000 kg
- Width: 1000 mm

### Excavator requirements

- Operating pressure: max 260 bar (3770 psi)
- Recommended oil flow: 50 – max 75 l/min (13.2 - max 19.8 GPM)

### Accessories

- KM501 13t-25t upper suspension without pendulum damper
- KM511 13t-25t upper suspension with pendulum damper

### Rail Grapple KM 632HPX-E Rail with 15t KINSHOFER Rotator

Product	Width (mm/in)	Height (mm/in)	Load Capacity (kg/lbs)	Weight (kg/lbs)
KM 632HPX-E Rail	1000 / 39.4	820 / 32.3	2000 / 4400	385 / 847

**Package consists of:** rail grapple, rotator KM 15 F273-273 incl. head plate (pin-Ø 60 mm / 2.76 in), non-return valve

### KINSHOFER Rotator

Product	Upper connection (borings / Ø-hole pattern) (mm/in)	Torque (Nm/ft.lbs)	Moment of deflection (Nm/ft.lbs)
KM 15 F273/273	10 xM16 / Ø 273/10.8	2000 / 1475	50000 / 36875

Direct connection to HPXdrive, no short hoses. Continuous rotation. Overload protection is ensured by pressure relief valves

## Product description and accessories

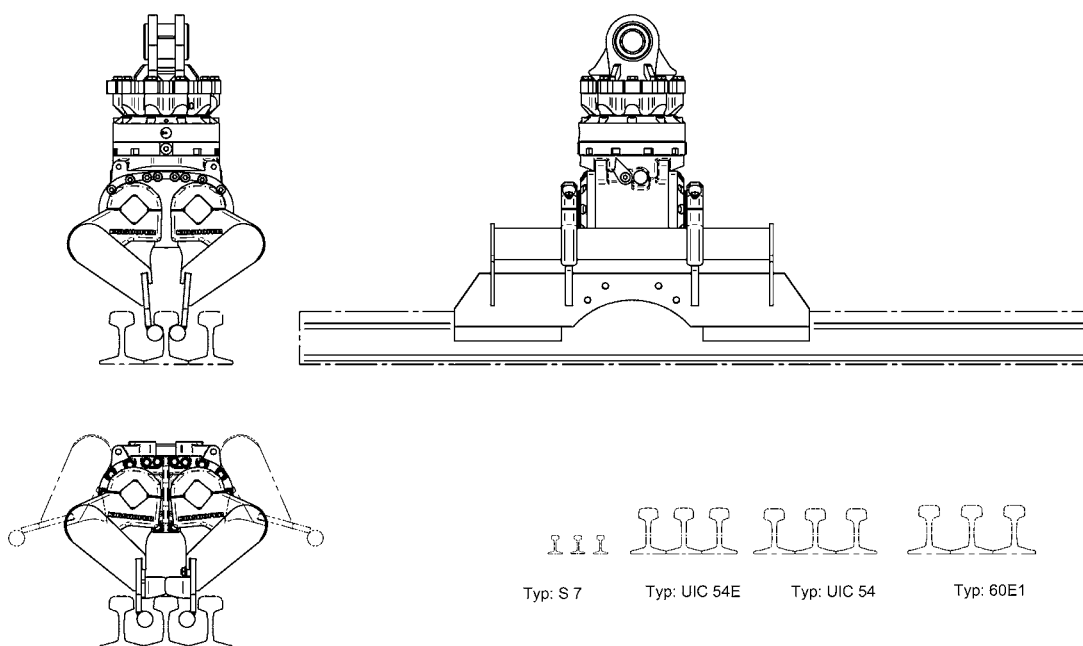


1. Grapple open



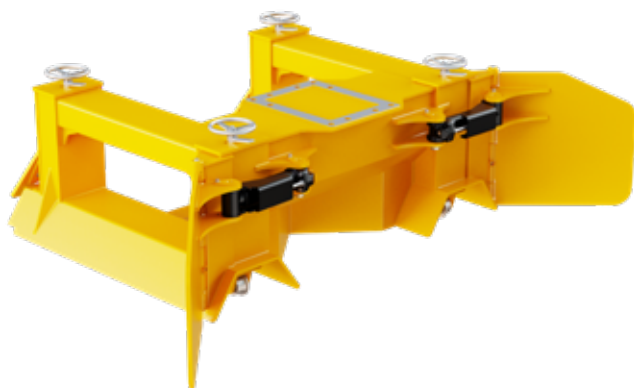
2. With 4t rotator for use on loader cranes

## Technical specification



Attachments / **Railway**


# Double Ballast Plough DBP



## Efficient plough for even ballast distribution

Double Ballast Plough DBP is designed for efficient handling of ballast and gravel in railway tracks and is adapted for excavators with operating weight 14–20 tons. The plough distributes the ballast evenly as it is pushed along the tracks, and the side wings can be angled  $\pm 45^\circ$  for best results.

The plough is adapted for Swedish standards and features four adjustable settings for the plough depth, making it flexible depending on work requirements. The design is robust and without protruding parts, minimizing the risk of damage. Different mounting plates are available to fit various machines.

 Do you have any questions? Contact us!

### **Efficient**

Simple and efficient ballast distribution

### **Angled wings**

Side wings adjustable  $\pm 45^\circ$

### **Robust design**

Low risk of damage

### **Easy adjustment**

Adjustable plough depth

## More information

### Features

- Four adjustable settings for plough depth
- Robust and safe design
- Hydraulically adjustable side wings

### Detailed description

- Weight: 1150 kg (excluding bracket)
- Width: 3200 mm
- Length: 2120 mm

### Excavator requirements

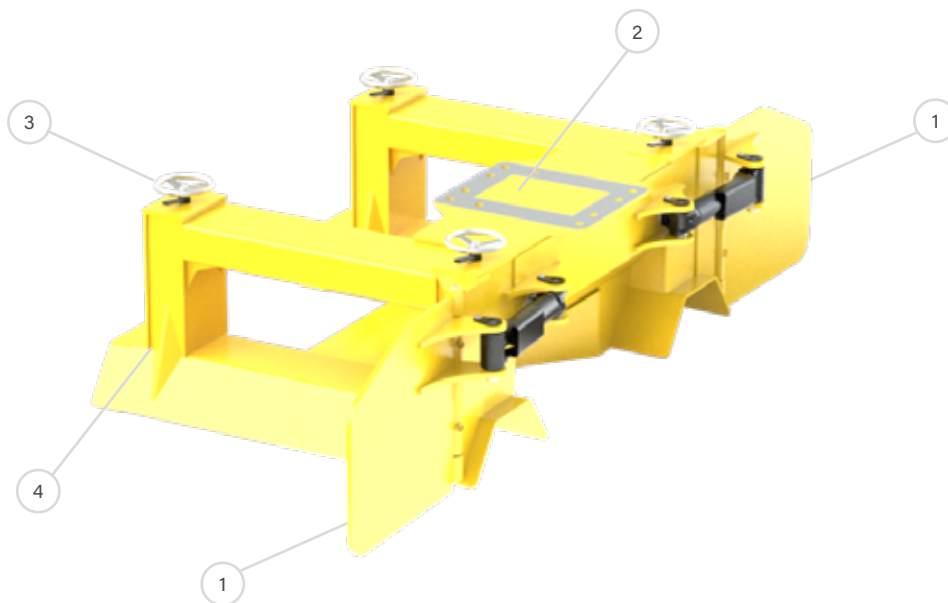
- Recommended operating weight: 14–20 ton
- Three hydraulic circuits or two hydraulic circuits plus one solenoid valve
- Max pressure: 200 - 320 bar (2880 - 4610 psi)
- Oil flow: 50 - max. 75 l/min (13.2 - max. 19.8 GPM)

### Accessories

Bolt-on Bracket AGS

Product	Item number	Length (mm)	Height (w/o coupling) (mm)	Width (mm)	For rail distance (mm)	Tilt angle side flaps (°)	Weight (kg)
DBP 14-SP20H	168-21000-011-45	2120	750	3200	1505	$\pm 45$	1150

## Product description and accessories



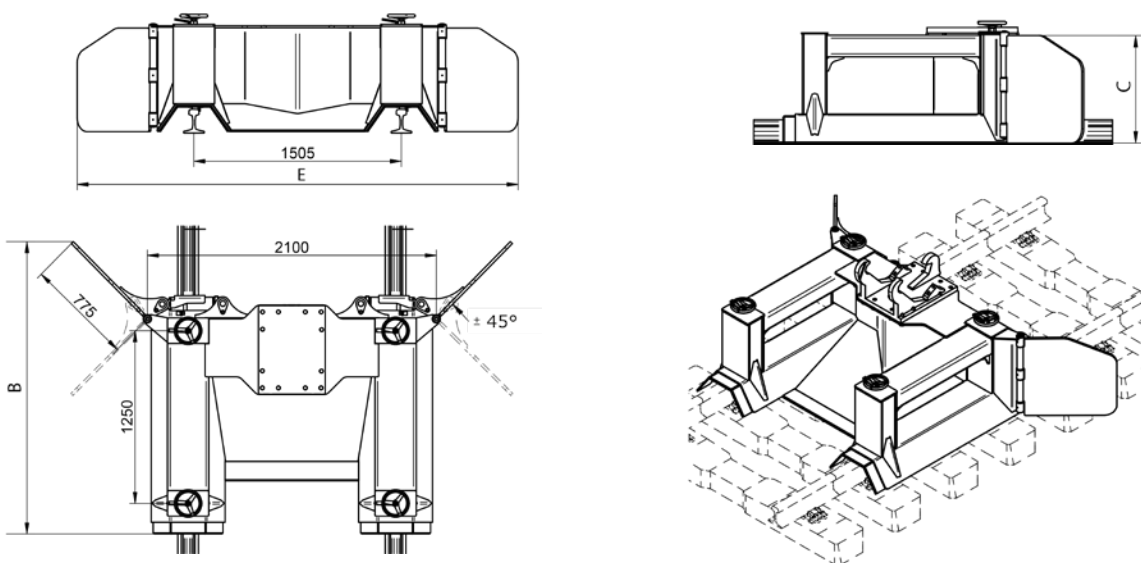
1. Hydraulic side wings folded away

2. Hole pattern for adapter

3. Adjustment point plough depth

4. Rail wheels

## Technical specification



Length B max (mm)	Height C (w/o coupling) (mm)	Width E max (mm)	For rail distance (mm)	Tilt angle side flaps (°)
2120	750	3200	1505	±45



View in action



Attachments / **Railway**

# Mobile Rail Cutter RC30

## Mobile rail cutter for controlled demolition

Mobile Rail Cutter RC30 from Demarec is specially developed for controlled demolition of railway lines and scrapping rails. It can cut all current Vignole rails (flat bottom rails) with standard quality up to 900 N/mm<sup>2</sup> and profile size "S7" to "UIC 60". Rails exceeding 900 N/mm<sup>2</sup> or with head hardening are excluded. The wear of the cutters depends on the quality of the rails.

Do you have any questions? Contact us!

**Controlled demolition**

Reversible edge for flexible use

**Powerful and fast**

Patented DemaPower cylinder

**Safe design**

Increased security - no flying scrap

## More information

The patented DemaPower cylinder provides up to 20% more power, increasing efficiency. Large, heavy-duty bearings reduce wear on bushings, and the housing is made of resistant special steel. The model is available with or without built-in rotator and is designed for increased security – no flying scrap.

### Features

- Suitable for Vignole rails with standard quality up to 900 N/mm<sup>2</sup> and profile size "S7" to "UIC 60"
- Patented DemaPower cylinder
- Housing made of resistant special steel
- Large, heavy-duty bearings
- Available with or without built-in rotator

### Detailed description

- Weight incl. rotator: 2650 kg (excluding bracket)
- Length: 2400 mm

### Excavator requirements

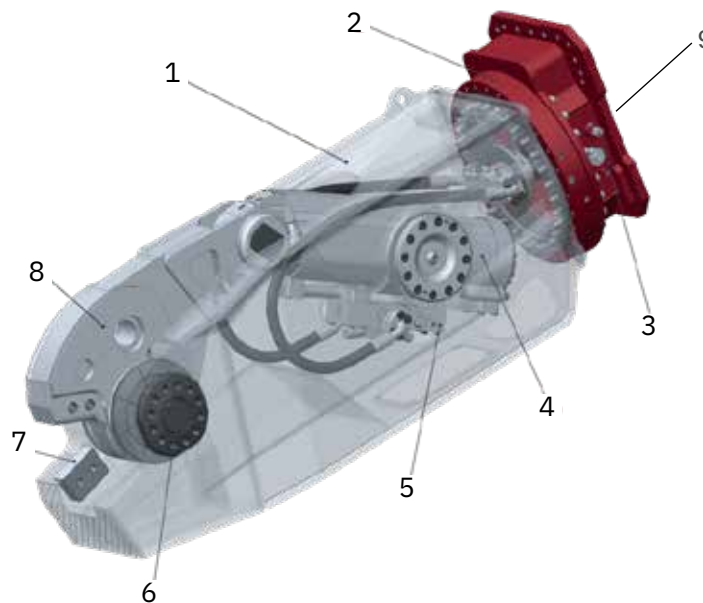
- Operating pressure: max 320 bar (4641 psi)
- Pump capacity: 150–250 l/min (39.6–66.0 GPM)
- Recommended operating weight: 22–35 ton

### Accessories

- Bracket

Product	Description	Item number	Bracket	Length (mm)	Jaw opening (mm)	Jaw depth (mm)	Rec. operating weight (t)	Weight	Pressure	Flow
RC30	with rotator	308-00000-140-30	Hole pattern	2334	224	190	22-35	2650	320	
RC30	without rotator	308-10000-140-30	Hole pattern	2040	224	190	22-35	2300	320	

## Product description and accessories



1. Compact shear body

2. Heavy duty rotation

3. DemaFilter-System in rotation circuit

4. DemaPower system

5. DemaSafety

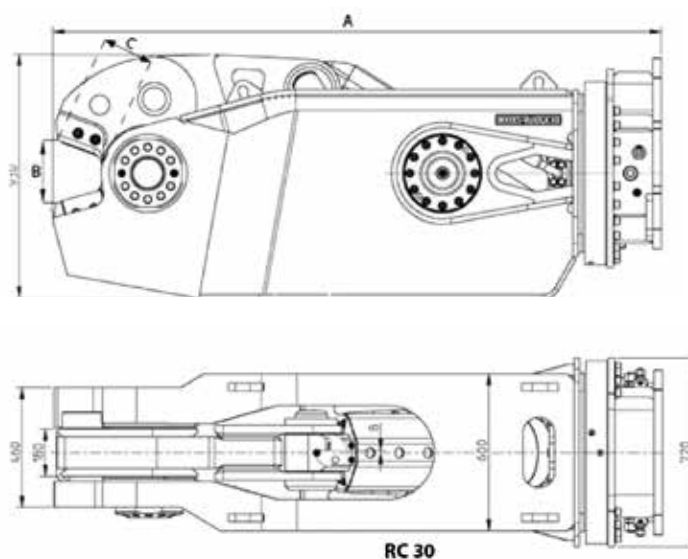
6. Heavy duty bearing in pivot point

7. Optimal mouth design

8. Shear arm

9. Hole pattern for bolt-on adapter

## Technical specification



A = 2335 mm  
 B = 225 mm  
 C = 190 mm


Attachments / **Railway**



# Clamshell Bucket with exchangeable shells C08VE-Rail

## Exchangeable shells for different applications

Clamshell bucket with exchangeable shells and vertical cylinder for excavators from 4t / 8800 lbs to 9t / 19800 lbs operating weight - through quick and easy exchange of shells ideal for different application, for excavation operations, landscaping, trench digging, handling of logs etc. The shells can be changed in less than four minutes.

 Do you have any questions? Contact us!

### **Economic and flexible**

Exchange shells for another application

### **Fast and easy**

Exchange of shells within 4 minutes

### **Efficient**

Excellent digging characteristics with high closing forces

## More information

### Features

- Economic solution as only the shells have to be exchanged for another application - bucket carrier, hydraulic cylinder and bearings are integrated into the unit
- Long life is ensured due to the use of 500 HB steel in the manufacture of cutting edges
- Reduced wear resulting from generously dimensioned bearing system
- Excellent digging characteristics are the result of high closing forces (26 kN / 5720 lbf at an operating pressure of 32 MPa / 4608 psi)

### Detailed description

- Weight: 325 kg

### Excavator requirements

- Recommended operating weight: 4-9 ton
- Max pressure (open/close): 320 bar (4608 psi)
- Max pressure (rotate): 320 bar (4608 psi)
- Oil flow (open/close): 40 - max. 90 l/min (10.57 - max. 23.78 GPM)
- Oil flow (rotate): 15 - max. 50 l/min (3.96 - max. 13.21 GPM)

### Accessories

- KM 501 1t-8t upper suspension without pendulum damper
- KM 511 1t-8t upper suspension with pendulum damper
- KM 680 5t-8t scraper

Product	Width E (mm/in)	Opening A (mm/in)	Height C max. (mm)	Height C min. (mm)	Volume (liters/c.y.)	Number of teeth	Capacity (kg/lbs)	Weight (kg/lbs)
C08VE-28	280 / 11.0	1330 / 52.4	1520 / 59.9	1380 / 54.3	100 / 0.13	3	3000 / 6600	325 / 715

**Package consists of:** clamshell bucket, bolt-on teeth, rotator with hose guard, shell exchange kit, non-return valve

### Exchangeable Shells for Clamshell Bucket C08VE-S

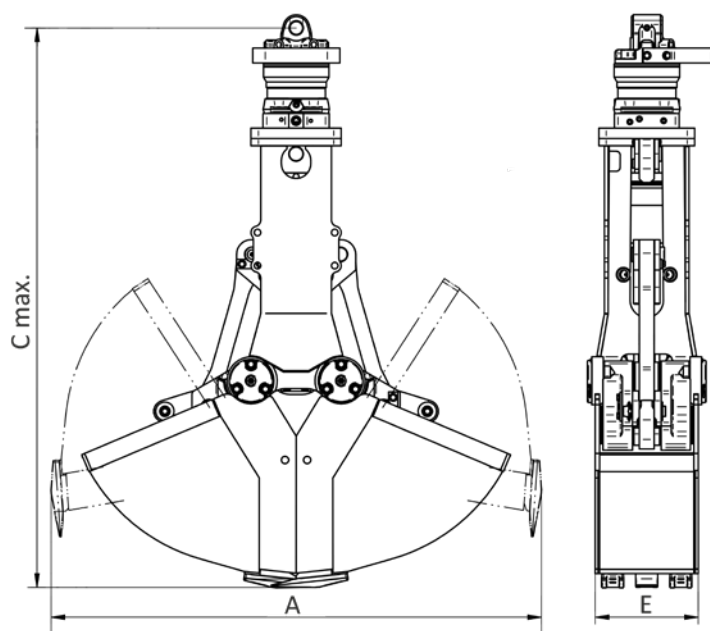
Product	Width E (mm/in)	Opening A (mm/in)	Volume (liters/c.y.)	Number of teeth	Capacity (kg/lbs)	Weight (kg/lbs)
C08VE-28S	280 / 11.0	1330 / 52.4	100 / 0.13	3	3000 / 6600	125 / 275
C08VE-32S	325 / 12.8	1330 / 52.4	115 / 0.15	3	3000 / 6600	130 / 286
C08VE-40S	400 / 15.8	1330 / 52.4	145 / 0.19	3	3000 / 6600	135 / 297
C08VE-50S	500 / 19.7	1330 / 52.4	185 / 0.24	5	3000 / 6600	145 / 319
C08VE-60S	600 / 23.6	1330 / 52.4	220 / 0.29	5	3000 / 6600	155 / 341
C08VE-80S	800 / 31.5	1330 / 52.4	300 / 0.39	9	3000 / 6600	190 / 418

### KINSHOFER Rotator

Product	Upper connection (width x pin- $\varnothing$ ) (mm/in)	Torque (Nm/ft.lbs)	Moment of deflection max. (liters/c.y.)
KM 04 F140-30USE	84 x 30 / 3.3 x 1.2	1000 / 740	8500 / 6270

Continuous rotation and two oil passages. Overload protection is ensured by pressure relief valves.

## Technical specification





Attachments / **Railway**

# Clamshell Bucket with exchangeable shells C18VE-Rail

## Exchangeable shells for different applications

Clamshell bucket with exchangeable shells and vertical cylinder for excavators from 13t / 28600 lbs to 18t / 39600 lbs operating weight. Ideal for the versatile use in construction, landscaping, canal building, forestry etc. due to the fast and easy exchange of shells within only four minutes.

 Do you have any questions? Contact us!

### **Economic and flexible**

Exchange shells for another application

### **Fast and easy**

Exchange of shells within 4 minutes

### **Efficient**

Excellent digging characteristics with high closing forces

## More information

### Features

- Economic solution as only the shells are exchanged. Shell carrier, hydraulics and bearings remain unchanged
- Long life thanks to the use of cutting edge material 500 HB
- Low wear due to generously dimensioned steel bearings with special coating
- Excellent digging characteristics thanks to high closing forces
- Shells with width 280 mm / 11 in: reinforced version with 15 mm / 0.6 in strong Hardox side walls

### Excavator requirements

- Recommended operating weight: 13–18 ton
- Max pressure (open/close): 350 bar (5040 psi)
- Max pressure (rotate): 320 bar (4608 psi)
- Oil flow (open/close): 40 - max. 120 l/min (10.6 - max. 31.7 GPM)
- Oil flow (rotate): 20 - max. 50 l/min (5.3 - max. 13.2 GPM)

### Accessories

- |                   |   |
|-------------------|---|
| KM 501 13t-25t    | upper suspension without pendulum damper          |
| KM 511 13t-25t    | upper suspension with pendulum damper             |
| T630 cardanic     | upper suspension with pendulum damper for "Atlas" |
| KM 680 C18VE-Rail | scraper   |

Product	Width E (mm/in)	Opening A (mm/in)	Height C max. (mm/in)	Volume (liters/c.y.)	Number of teeth	Capacity (kg/lbs)	Weight (kg/lbs)
C18VE-28-Rail	280 / 11.0	1330 / 52.4	1500 / 59.0	60 / 0.08	3	4500 / 9900	540 / 1188
C18VE-40-Rail	400 / 15.7	1330 / 52.4	1500 / 59.0	100 / 0.13	3	4500 / 9900	560 / 1232
C18VE-50-Rail	500 / 19.7	1330 / 52.4	1500 / 59.0	125 / 0.16	5	4500 / 9900	575 / 1265
C18VE-60-Rail	600 / 23.6	1330 / 52.4	1500 / 59.0	150 / 0.19	5	4500 / 9900	605 / 1331
C18VE-80-Rail	800 / 31.5	1330 / 52.4	1500 / 59.0	200 / 0.26	7	4500 / 9900	655 / 1441
C18VE-100-Rail	1000 / 39.4	1330 / 52.4	1500 / 59.0	250 / 0.32	9	4500 / 9900	705 / 1551

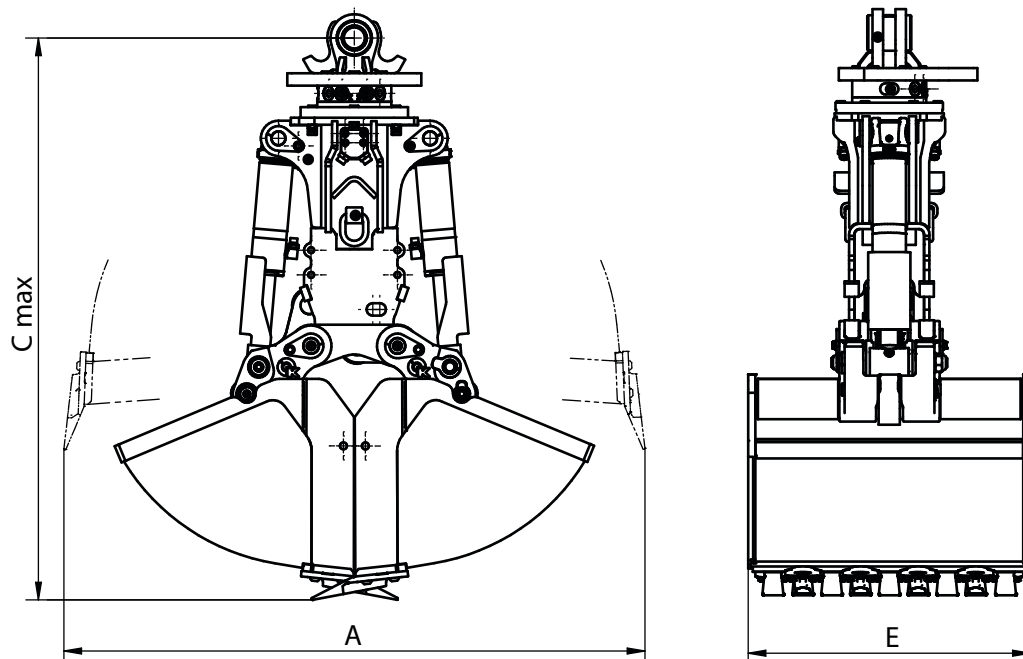
**Package consists of:** clamshell bucket, bolt-on teeth, KINSHOFER rotator with head plate Kinshofer, hose guard, two welded hooks, shell exchange kit, non-return valve

### KINSHOFER Rotator

Product	Upper connection (width x pin-ø) (mm/in)	Torque (Nm/ft.lbs)	Moment of deflection max. (liters/c.y.)
KM 10 F275-60	125 x 60 / 4.9 x 2.4	1500 / 1105	14000 / 10325

Continuous rotation and two oil passages. Overload protection is ensured by pressure relief valves.

# Technical specification





Attachments / **Railway**

# Clamshell Bucket for rigid mount w rotation C18VE-HD

## Exchangeable shells for different applications

Clamshell bucket with exchangeable shells and two vertical cylinders equipped with a sturdy rotation and thus ideal for the rigid mount use on excavators from 13t / 28600 lbs to 18t / 39600 lbs operating weight.

Do you have any questions? Contact us!

**Economic and flexible**

Exchange shells for another application

**Rotation**

Strong and sturdy rotation

**Efficient**

Excellent digging characteristics with high closing forces

## More information

### Features

- Economic solution as only the shells are exchanged. Shell carrier, hydraulics and bearings remain unchanged
- Long life thanks to the use of cutting edge material 500 HB and a generously dimensioned bearing system with special coating
- Low overall height - ideal for rail applications
- A non-return valve ensures continuous safety of the load, even if pressure drops
- Excellent digging characteristics are the result of high closing forces
- Shells with width 280 mm / 11 in: reinforced version with 15 mm / 0.6 in strong Hardox side walls
- Strong and sturdy rotation with large 4-point bearing and 2 motors for a high torque of 5700 Nm

### Excavator requirements

- Recommended operating weight: 13–18 ton
- Max pressure (open/close): 350 bar (5040 psi)
- Max pressure (rotate): 140 bar (2016 psi)
- Oil flow (open/close): 40 - max. 120 l/min (10.6 - max. 31.7 GPM)
- Oil flow (rotate): 25 - max. 45 l/min (6.6 - max. 11.9 GPM)

### Accessories

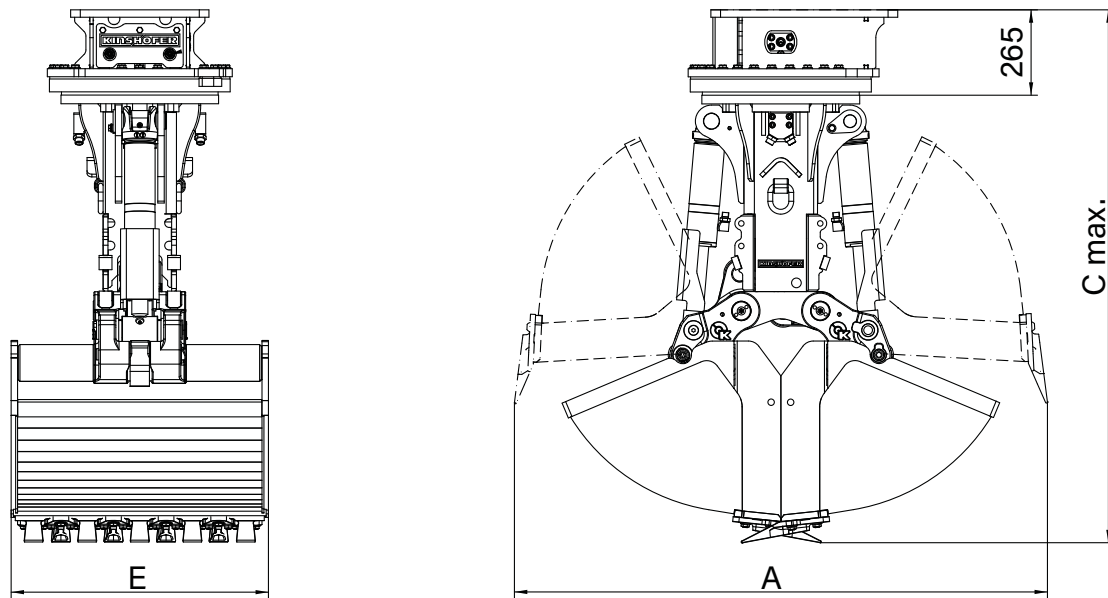
- KM 690 15t adapter for rigid mounting - up to 15t / 33000 lbs
- KM 690 20t adapter for rigid mounting - up to 20t / 44000 lbs
- T650 rigid bolt-on adapter for "Atlas" quick change T620
- KSW10 rigid bolt-on adapter for "System L-lock" KMS10/KHS10 for rigid mounting - up to 19t / 41800 lbs
- KM 680 C18VE-Rail scraper

**Note:** more attachments and other mounting options available on request

Product	Width E (mm/in)	Opening A (mm/in)	Height C max. (mm/in)	Volume (liters/c.y.)	Number of teeth	Capacity (kg/lbs)	Weight (kg/lbs)
C18VE-28-HD	280 / 11.0	1330 / 52.4	1655 / 65.2	60 / 0.08	3	4500 / 9900	780 / 1716

**Package consists of:** clamshell bucket, bolt-on teeth, KINSHOFER rotation, 2 welded eyes, shell exchange kit and non-return valve

# Technical specification



Attachments / **Railway**

# Kinshofer Shell Exchange System C18-VE

Robust grabs for excavators with revolutionary exchange system in a single device

As a new demand on the site arises the attachment can be exchanged and the new application can commence. Easy remounting of shells for excavating, landscaping, laying pipes, logging, rail track handling etc.

Do you have any questions? Contact us!



**Efficient**  
Only shells are exchanged

**Fast and easy**  
Exchange of shells within 4 minutes

**Compact design**  
Compact and robust

## More information

### Features

- Efficiency: only the shells are replaced; exchange is possible with only one person
- Fastness: easy exchange of the lynch pin from the change-over system within 4 minutes, no hydraulic work necessary
- Robust shell bearing with coexisting change mechanism

Module



Rock tines



Excavating shells



Excavating shells railway



Pipe grab



Foundation shells



Timber tines



Hay and forestry tines








Well shaft shells







## Exchangeable Shells for C18VE



### Exchangeable Shells for C18VE - rigid and cardanic mount

Shells are interchangeable and available in all widths. Fast exchange thanks to shell exchange aid kit.

PRODUCT	WIDTH (mm/in)	OPENING (incl. teeth) (mm/in)	TOTAL HEIGHT (mm/in)	VOLUME (liters/c.y.)	NUMBER OF TEETH	LOAD CAPACITY (kg/lbs)	CLOSING FORCES (kN/lbf)	WEIGHT shells only (kg/lbs)
Excavating Shells	  C18VE-40S  C18VE-28S  							
C18VE-28S-Rail	280 / 11.0	1330 / 52.4	1500 / 59	60 / 0.08	3	4500 / 9900	54 / 11880	150 / 330
C18VE-40S-Rail	400 / 15.7	1330 / 52.4	1500 / 59	100 / 0.13	3	4500 / 9900	54 / 11880	170 / 374
C18VE-50S-Rail	500 / 19.7	1330 / 52.4	1500 / 59	125 / 0.16	5	4500 / 9900	54 / 11880	185 / 407
C18VE-60S-Rail	600 / 23.6	1330 / 52.4	1500 / 59	150 / 0.19	5	4500 / 9900	54 / 11880	215 / 473
C18VE-80S-Rail	800 / 31.5	1330 / 52.4	1500 / 59	200 / 0.26	7	4500 / 9900	54 / 11880	265 / 583
C18VE-100S-Rail	1000 / 39.4	1330 / 52.4	1500 / 59	250 / 0.33	9	4500 / 9900	54 / 11880	315 / 693


Sleeper Grab Tines	 							
C18VE-50S RG	500 / 19.7	1250 / 49.2	1400 / 55.1	-	-	4500 / 9900	44 / 9680	130 / 286



Multi Purpose Tines	 							
C18VE-60S A	590 / 23.2	1660 / 65.4	1625 / 64.0	180 / 0.24	5	4500 / 9900	41 / 9020	340 / 748



Well Shaft Shells	 							
C18VE-97S WSG	Ø970 / 38.2	970 / 38.2	1410 / 55.5	110 / 0.14	5	4500 / 9900	65 / 14300	170 / 374

Note: larger shells available on request

### Exchangeable Shells for C18VE - only cardanic mount

Rail Grab Tines								
C18VE-200S-RG2	2000 / 78.7	990 / 39	1295 / 51	-	-	4500 / 9900	68 / 14960	275 / 605

Hay and Forestry Tines	 							
A18VE-95S	955 / 37.6	1830 / 72	1685 / 66.3	400 / 0.52	-	4500 / 9900	41 / 9020	340 / 748
A18VE-122S	1220 / 48	1835 / 72.2	1725 / 67.9	600 / 0.78	-	4500 / 9900	32 / 7040	275 / 605

Timber Grab Tines	 							
T18VE-49S-0,5	490 / 19.3	1830 / 72	1825 / 71.9	0,50 m <sup>2</sup> / 0.33 cords		4500 / 9900	30 / 6600	200 / 440
T18VE-49S-0,6	490 / 19.3	1975 / 77.8	1905 / 75	0,60 m <sup>2</sup> / 0.40 cords		4500 / 9900	33 / 7260	220 / 484

**Package consists of:** Exchangeable shells, teeth (excavating and well shaft shells), exchange aid kit

**Note:** special shells available on request



View in action



Attachments / **Railway**

# Road/Rail Trailer JVV

## Versatile transport trailer for road and track

Road/Rail Trailer JVV is the perfect trailer for road/rail equipment and for transporting ballast, fill material and accessories. The trailer is equipped with wheels for both track and road, making it flexible for different working environments.

The height of the rubber wheels is hydraulically adjustable. Hydraulic brakes are fitted on both the rubber wheels and the track wheels. The trailer has a telescopic draw bar with adjustable height, anchoring loops and post holes in the trailer bed, making it easy and safe to use. It is equipped with lights and approved for driving on regular roads.

Do you have any questions? Contact us!

**Flexible**

High flexibility for both road and track

**Safe handling**

Hydraulic brakes

**Transport**

Can transport ballast, fill material and accessories

**Adjustable**

Foldable and removable side panels

## More information

### Features

- Hydraulically adjustable height of rubber wheels
- Hydraulic brakes on rubber wheels and track wheels
- Telescopic draw bar with adjustable height
- Anchoring loops and post holes in the trailer bed
- Equipped with lights
- Emergency and parking brake (track wheels)
- Fold-down and removeable back and side panels

### Detailed description

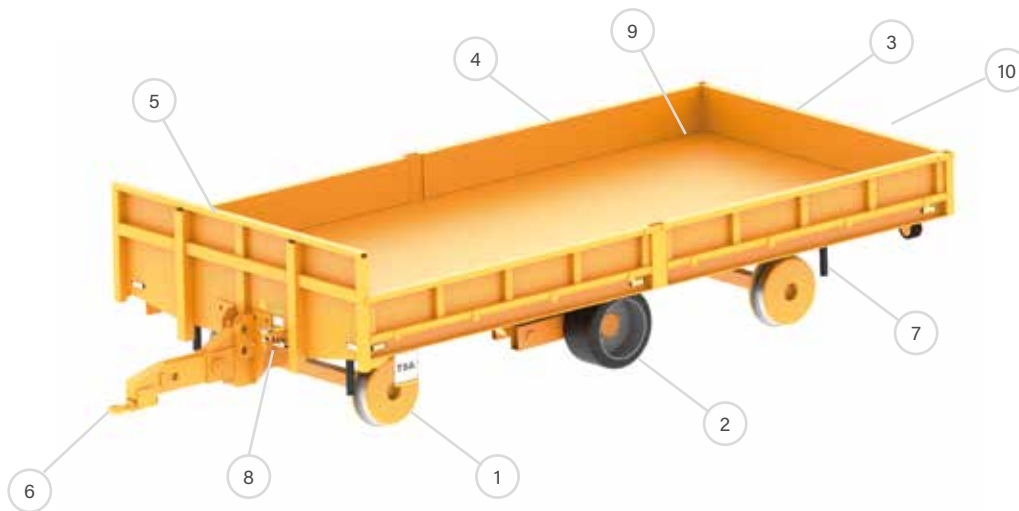
- Weight: 3300 kg
- Width: 2485 mm
- Length: 5700 mm (loading length 5000 mm)
- Bed height: 620 mm
- Max load: 16 ton on track, 8 ton on road
- Max permitted speed: 20 km/h

### Machine requirements

- Pressure: max 200 bar (2900 psi), min 70 bar (1015 psi)

Product	Item number	Length (mm)	Width (mm)	Loading length (mm)	Max load road (t)	Max load railway (t)	Bed height (mm)	Rail wheels Ø (mm)	Weight (kg)
JVV	351-08000-000-00	5700	2485	5000	8 t	16 t	620	450	3300

## Product description and accessories



1. Rail wheels

2. Rubber wheels

3. Back panel

4. Side panel

5. Front

6. Telescopic draw bar

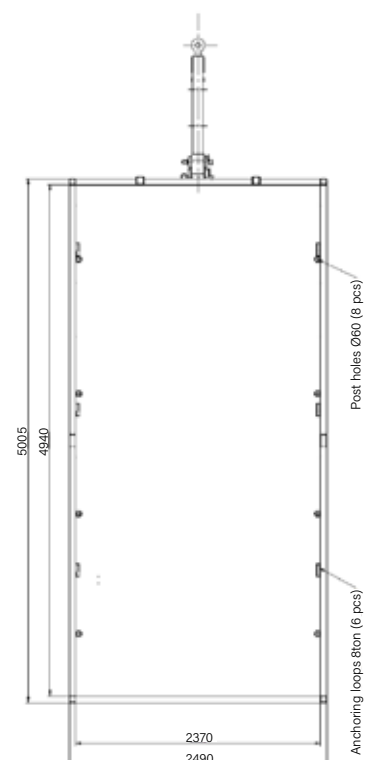
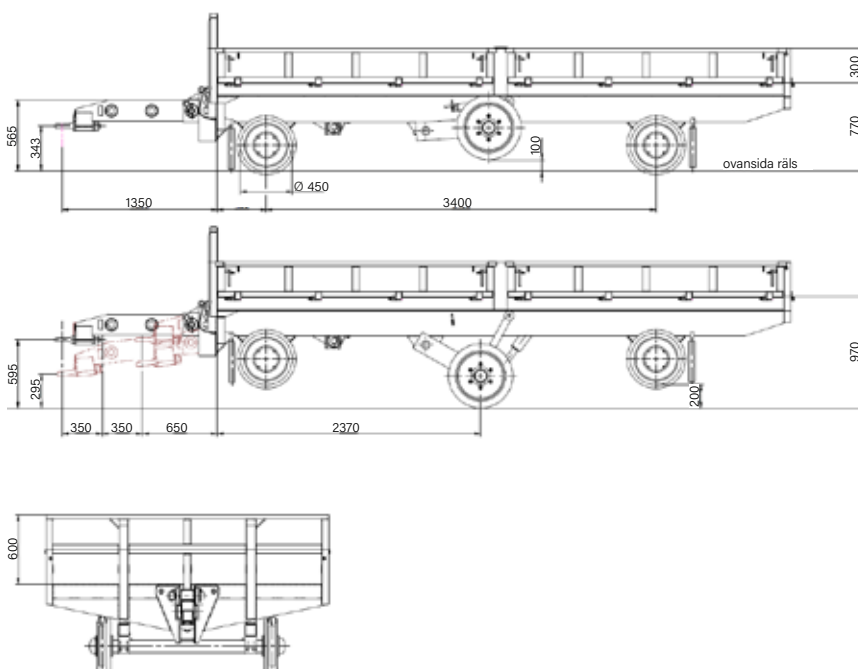
7. Life guard

8. Hydraulic connections

9. Anchoring loops

10. Tow hook

## Technical specification



## We stand for innovation & experience

- Continual product development
- Leading technical skills
- Innovative solutions
- New applications
- Developing our markets
- A forward-looking partner
- Benefit to our customers, society, and the world

### — ABOUT US

## Driven by innovation

At RF we constantly innovate and develop our products according to our customers' needs. We systematically take great strides to stay at the forefront.

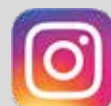
We are both local and global at the same time - our products are manufactured in our production facility and with carefully selected subcontractors, which means we have full control over every nut and bolt while being part of a large international group that allows our customer to purchase all their products from one supplier.

In addition, we have a well-known and accessible after-sales service and an extensive spare parts inventory, allowing you to use your favourite products for as long as you want.



RF-SYSTEM AB is a member of the Swedish trade association 'Maskinleverantörerna' (Mobile machines suppliers). We follow European and Swedish standards

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## Contact

### RF-System AB

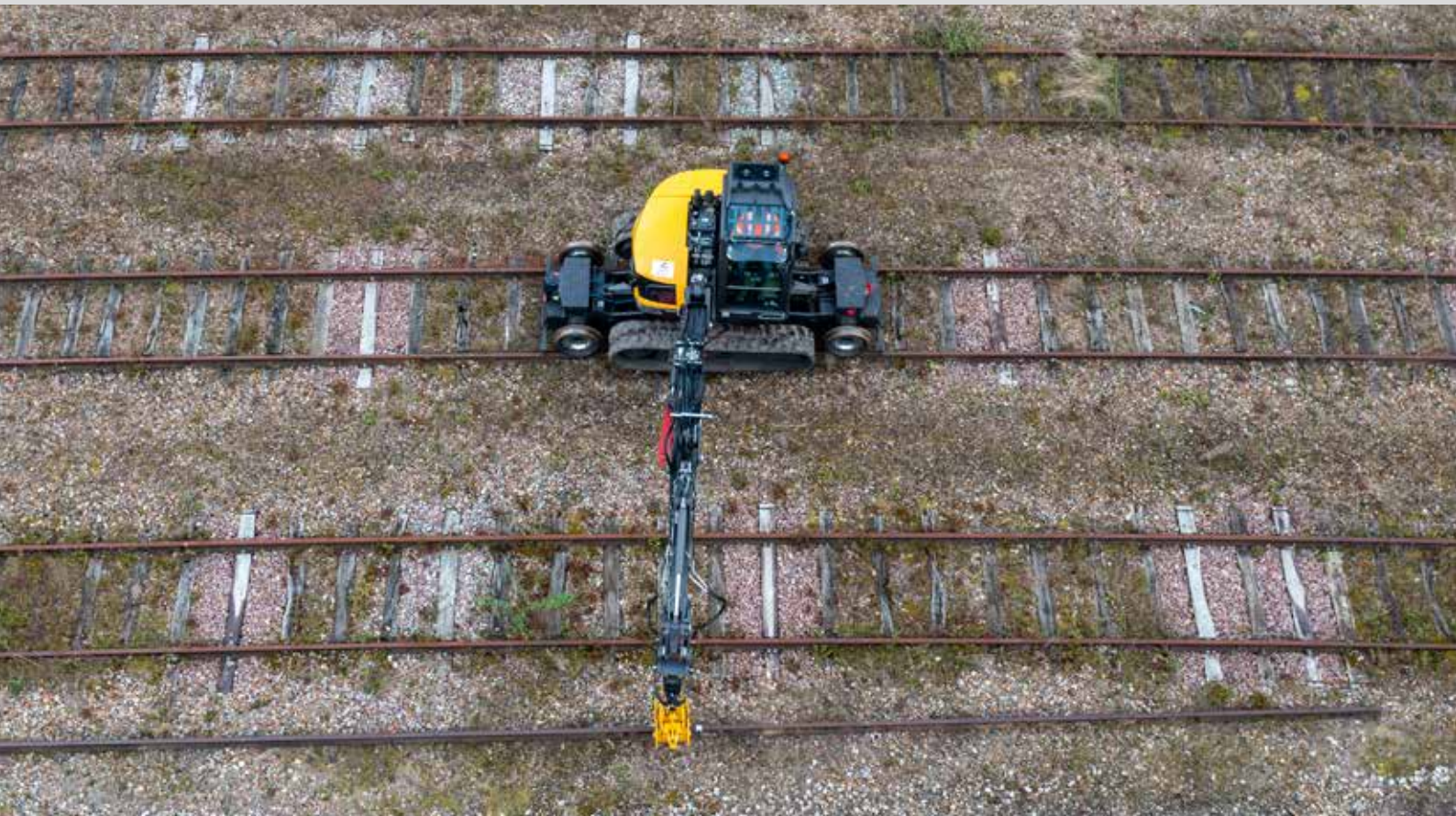
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