



# The new ESE 6

The next generation



# The new ESE 6

## Equipment and application

- 04 Fields of application
- 06 Modular concept

## Details and novelties

- 08 Cost reduction at the construction site  
Increased efficiency  
and higher suction power
- 12 The new working zone

## Equipment features

- 14 Equipment features
- 15 RSP Connect



# Our fields of application

- Construction industry
- Inner-city civil engineering
- Tree root renovation
- Damage service
- Building refurbishment
- Flat roof renovation
- Rail construction
- Industrial plants
- Tunnel building
- Pipe refurbishment
- Cleaning Surface mining
- Disasters operations
- Disposal





## Modular concept

The new ESE 6 RD 8000 is the further development of our best suction excavator. It convinces with its modular design and the wide range of possible applications.

We have not only placed great emphasis on the powerful features, but have also integrated the elegant, yet functional design of the ESE 8.

In the further development of our **new ESE 6**, we continue to focus on high workmanship standards. The dimensions and weight remain identical compared to the predecessor. The improved functionality introduces new standards in the suction excavator industry.

RSP's more than 30 years of experience and continuous further development in cooperation with our customers make the new ESE 6 a highly innovative suction excavator.

**The world's best-selling suction excavator even better now.**

The superstructure is initially assembled on a high-quality Mercedes-Benz chassis of the type MB Arocs 5 3251 8x4/4.

The wheelbase of 3,900 mm with two rigid axles and one steered trailing axle, is the ideal combination of powerful drive and comfortable equipment.

This guarantees an optimum axle load distribution with a small turning circle at the same time.

The core component of the new ESE 6 is the powerful double fan.

The container is manufactured following a modified production technology, similar to the one of the ESE 8.

The proven container sizes of 6m<sup>3</sup>, 8m<sup>3</sup> and 10m<sup>3</sup> will be retained.

Our suction excavators provide for damage-free excavation and economic excavation times.





## Cost reduction at the construction site

Experience our best suction excavator and discover all the advantages now for a smooth process on your construction site.

Our most powerful suction excavator ever.

With the new ESE 6, you work in suction level 1 instead of suction level 2, with comparable suction power to the previous model.

Sucking at a low operating level reduces fuel consumption.

The newly developed RSP swivel joint also allows for greater efficiency when sucking.\*

## Increased efficiency

Your suction excavator is ready for use on the construction site even faster.

The suction socket can now remain on the articulated hose carrier, no disassembling required. \*

The new container contour enables unloading over higher dropsides.

The optimised geometry enables easier cleaning of the container.

## Higher suction power

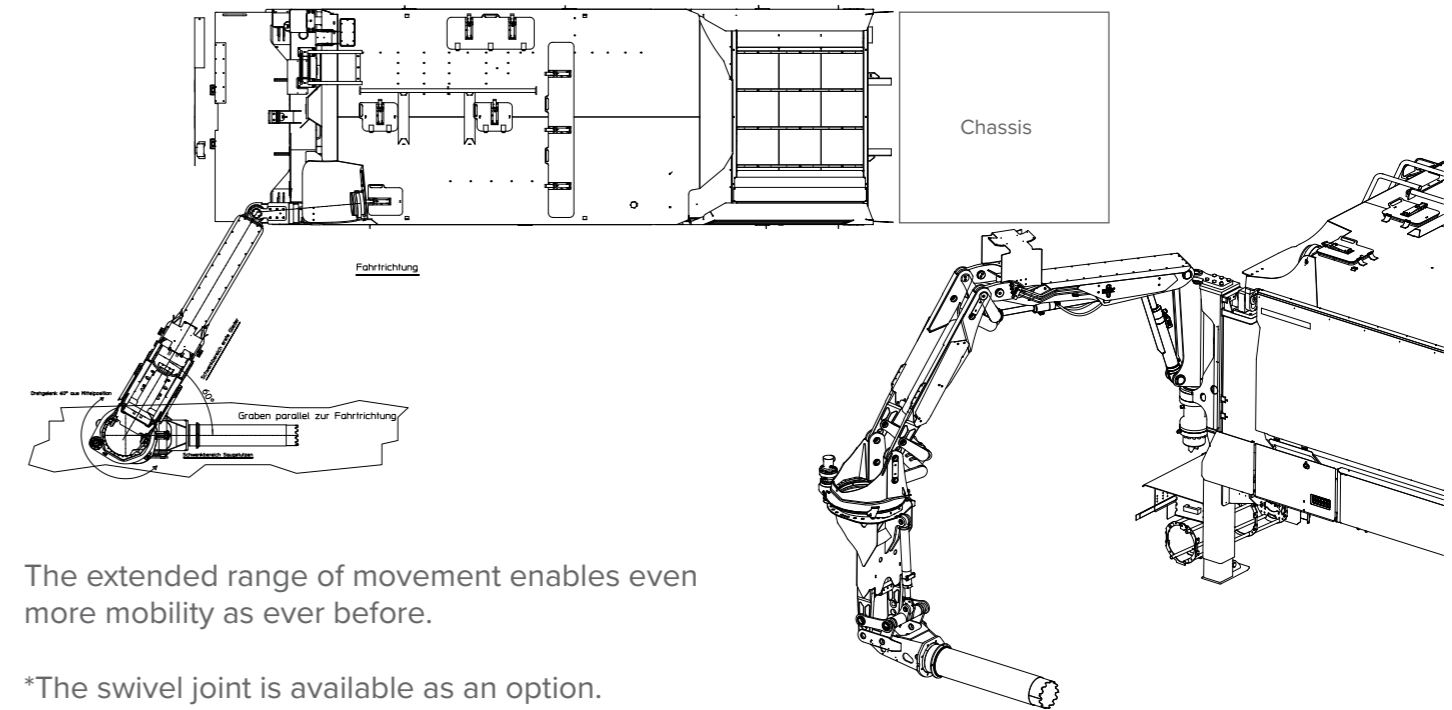
The next generation of our best suction excavator outputs even more power due to its optimised flow behaviour, whenever it is required.

The new, decentralised controller of the electrical components is more accessible at strategic points and makes servicing and maintenance on the vehicle easier.

The new ESE 6 also features improved insulation and a shifted frequency band, making it more pleasant to work with. Come and see for yourself.

\*The new swivel joint is available as an option.





The extended range of movement enables even more mobility as ever before.

\*The swivel joint is available as an option.

## The new working zone

The newly developed RSP swivel joint provides for better access to concealed areas when working in your field of application.\*

The working radius of our 6D articulated hose carrier amounts up to 352° degrees now.

This flexibility increases your working range and field of application many times over.

Repositioning your suction excavator is less often required. This saves time at your construction site.

Higher mobility than ever before.

**We always refer to 6D, our six-dimensional articulated hose carrier.**

With its four movable links attached to the articulated hose carrier, in combination with the swivel joint that is able rotating up to 352° and the rotary module on the suction socket, enable an extended, **six-dimensional** working range.

Similar to a robotic arm with six axes, which can reach any point with any given orientation in space.





## Equipment and details

Every suction excavator leaves our production halls with high-quality equipment.

Our vehicles offer a wide range of options and special features.

### The RSP air conduction and separation system

The real three-stage separation enables the highest material separation. The resulting low filter load guarantees a constantly high suction power.

The RSP fine filter unit with automatic compressed air cleaning contains a quick-release filter system with 40 cartridge filters. The swivelling frame makes manual re-cleaning and inspection much easier.

Hydraulic system for energy-efficient use

Compressed air connections at the rear of the vehicle for oiled and unoled air

2 stainless steel hose reels with spring return, incl. 8 m hose

Retaining boxes on both sides

Gas detecting system

Grounding system

Special steel construction

High-pressure water system

RSP-drive and steering system

The hose rack between chassis and fan also offers the following options:

- 400l High-pressure water system
- 2000 Watt generator,
- 16 Traffic cones
- Toolbox
- Locker
- Hand wash installation etc.

Ambient lighting for safe working

Innovative advantage in comfort and operating safety thanks to the safety-oriented decentralised control system

Soil loosening tools

RSP CONNECT - the new standard for your suction excavator

- CAN-based Telematics gateways provide insightful telematics data of your machines.
- Proactive management and increased availability through planned maintenance and servicing
- Troubleshooting possible through remote access by the RSP Service Partner
- RSP CONNECT provides a great number of data, from fuel consumption to location and use of the machine.
- Fleet management made easily



