



# ESE 6

The next generation











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# INNOVATE WORK

## Modular concept

The new ESE 6 is the further development of our most powerful suction excavator and impresses with its modular design and versatile application options. In this further development, we have not only focussed on the powerful features, but have also integrated a modern, elegant and functional design. Despite the improved functionality, the weight and dimensions remain identical to the previous model, which makes the new ESE 6 particularly easy to handle. These innovations set new standards in the suction excavator industry.

With a wheelbase of 3,900 mm, two rigid axles and a steered trailing axle, the ESE 6 offers the perfect combination of powerful drive and comfortable equipment. This ensures optimum axle load distribution and a small

turning circle. The centrepiece of the new ESE 6 is the powerful double fan, which together with the innovative manufacturing technology of the container ensures high efficiency. The proven container sizes of 6m<sup>3</sup>, 8m<sup>3</sup> and 10m<sup>3</sup> are retained, so that the suction excavator continues to guarantee damage-free excavation and fast excavation times.

With over 30 years of experience and continuous further development, the ESE 6 is a highly innovative suction excavator that fulfils modern construction projects perfectly. The best-selling suction excavator has been further optimised and is based on a high-quality Mercedes-Benz MB Arocs 5 3251 8x4/4 chassis for maximum quality and performance. Other wheelbases and chassis combinations are also possible.



# FIELDS OF APPLICATION

Construction industry

Tree root renovation

Disposal

Flat roof renovation

Building refurbishment

Rail construction

Damage service

Industrial plants

Inner-city civil engineering

Disasters operations

Pipe refurbishment

Cleaning Surface mining

Tunnel building









# MORE POWER

## **The most powerful suction excavator**

The next generation of our best suction excavator offers even more power thanks to its optimised flow characteristics, exactly when it matters. The decentralised control of the electrical assemblies is now more accessible at strategic points, which makes servicing and maintenance on the vehicle much easier. In addition, the improved insulation and the shifted frequency band ensure that the new ESE 6 delivers a much more pleasant background noise level during operation.

With the new ESE 6, you work in suction level 1 instead of suction level 2, while maintaining the same suction power as the previous model. Vacuuming at the lower operating level reduces fuel consumption and therefore helps to cut costs. In addition, the newly developed RSP swivel joint enables greater efficiency when suctioning, which further increases the overall performance of the suction excavator.

The suction excavator is now ready for use on the construction site even faster, as the suction nozzle can remain on the articulated hose carrier and no dismantling is required. The new container contour makes it easier to unload at higher sides, while the optimised walls, while the optimised geometry makes the container easier to clean.

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

**6% more power  
compared to the  
previous model**

**Increased efficiency**

**Less consumption**

**Cost reduction  
on the  
construction site**



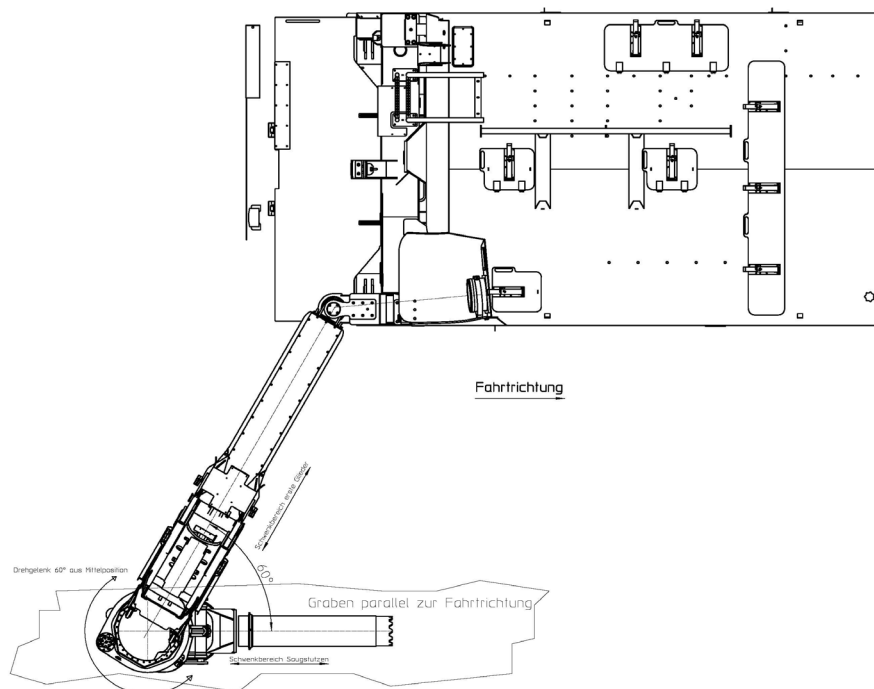


# NEW WORKING ZONE

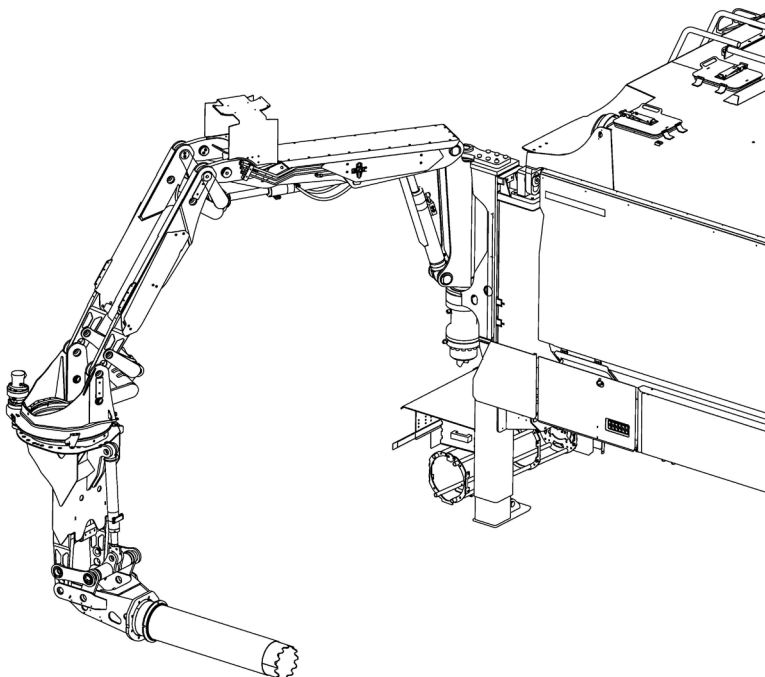
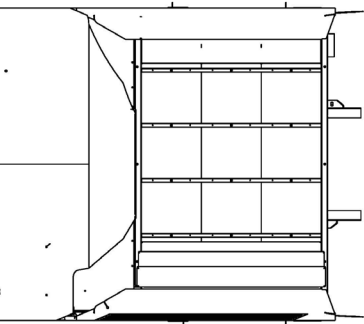
## The 6D Articulated Hose Carrier

The newly developed RSP swivel joint of the suction excavator enables better access to hard-to-reach or concealed areas in your area of application. In combination with the 6D articulated hose carrier, which offers an impressive movement radius of up to 352° degrees, your working area is significantly increased. This flexibility reduces the need to reposition the suction excavator, saving valuable time on site.

With the 6D articulated hose carrier, which has four movable links and the rotation module on the suction nozzle offers almost unlimited manoeuvrability, you achieve an extended range of movement. Similar to a robotic arm with six axes, this articulated hose carrier allows you to precisely reach any point in the room with any orientation. any orientation. This takes your mobility on the construction site to a whole new level.







The new swivel joint increases the suction excavator's range of operation and use.

Reorientation on the construction site is less often necessary.





# MAXIMUM EQUIPMENT

## Without compromise

Every suction excavator is fitted with first-class equipment in our production halls. Our vehicles offer a wide range of options and special equipment features.

The **RSP air routing and separation system** offers a realised three-stage separation, which ensures optimum material separation. This efficient separation minimises the filter load, resulting in a consistently high suction performance.

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 cleaning and inspection much easier.

**Stainless steel design**

**Hochdruckwasseranlage**

**High-pressure water system**

**Storage boxes on both sides**

**Gas warning system, earthing system**

**Hydraulic system for energy-efficient use**

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

**Compressed air connections on the rear of the vehicle for lubricated and unlubricated air**

**and more**





The hose rack between the chassis and fan offers numerous useful options that make everyday work easier. These include a **400-litre high-pressure water system**, a **2000-watt generator**, **16 traffic cones**, a **toolbox**, a **locker**, a **hand washing facility** and other practical equipment. In addition, the **ambient lighting** ensures safe working, even in difficult lighting conditions. The innovative advantage in comfort and operating safety is made possible by the safety-oriented decentralised control system, which ensures simple and safe operation. **Soil loosening tools** are also available to further increase the efficiency of the work.

**RSP CONNECT** sets a new standard for your suction excavator. The CAN-based telematics gateways provide you with insightful telematics data from your machines, enabling you to monitor them comprehensively. The proactive management of your equipment is significantly improved through maintenance, which increases the availability of your machines. Faults can be rectified quickly and efficiently thanks to remote access by the RSP Service Partner. RSP CONNECT provides a wide range of important data, from fuel consumption and location to the utilisation of your suction excavator. With this solution significantly simplifies and optimises fleet management.





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