



6 Models · 13 to 22 Tonnes

STABLE. STRONG. STEADY.

MOBILE EXCAVATORS



STABILE. STRONG. STEADY.

TEREX builds Series 05 mobile excavators especially for the hardest construction sites.

They are impressive due to their processing of high-strength materials and their high productivity and operating efficiency. So our mobile excavators have excellent resale values.

An equipment assortment individually adapted to each construction project and our excellent customer service let you successfully master any task.



Three main points characterise our mobile excavators:

1. Optimal weight distribution

with a low centre of gravity. For a fast turnover and non-tiring work. Supported by a diagonally installed engine in the mobile excavators weighting up to 18 tonnes.

2. Remarkable, particularly effective arm construction

Extremely light and enormously robust arms, through the special welded construction.

3. Perfect excavator controls

A sensitive hydraulics system perfectly attuned to all work processes for flowing working motions. So that you can work more effectively.



TEREX - the fastest growing producer of construction machines

TEREX is one of the most influential companies in the construction machine industry with leading products and brands. With more than 700 products, we have the right machine for almost any job. More than 15,000 employees are at work for you world-wide. TEREX's gross sales grew from 422 million US dollars nine year ago to 5.3 billion US dollars in the year 2004.

TEREX is thereby the third-largest producer of construction machines in the world.





The Upper Wagon

UNCOMPROMISINGLY BUILT FOR HIGH PERFORMANCE



Ideal upper wagon positioning

Through the optimal positioning of the upper wagon on the lower wagon, we achieve very high lifting capacities when driving and very good trench depths.

Ideal weight distribution

The lower the overall weight of the excavator, the more impact the placement of the main components has on the driving and working behaviour.

Thus, in our excavators weighting 18 tonnes or less, the arms are positioned in the middle and the diesel engine is installed diagonally. The mobile excavator thereby remains on track even under the most difficult conditions and has an excellent dynamic stability.

All drivers know that these are important qualities.



Successful cab design

The comfortable spacious cab is adapted to your needs. Easy entry and exit, good visibility conditions, ergonomically designed operating and control elements and an air-conditioning system are the main building blocks of our cab concept.

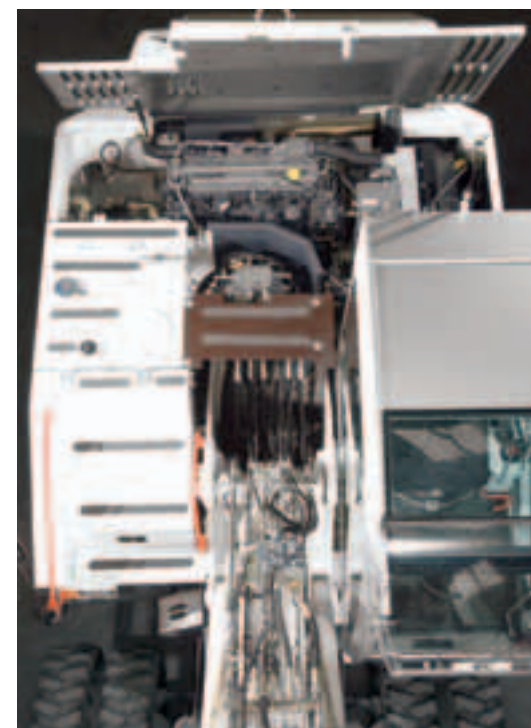
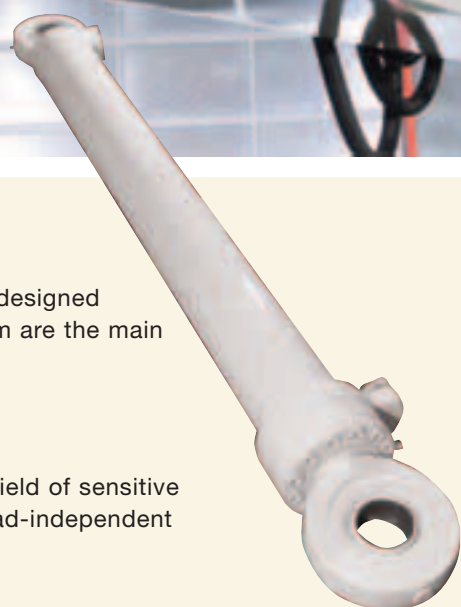
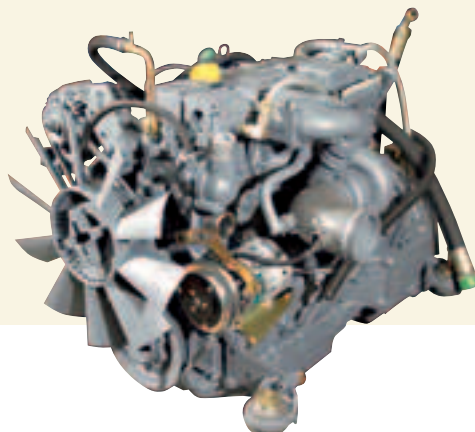
Intelligent hydraulics for more productivity

The 05 series is equipped with the newest technology in the field of sensitive hydraulics. Our intelligent hydraulics management enables load-independent overlapping of working motions.

For more productivity and safe operations.

Only the best engines

Our mobile excavators use the world's best engines, developed by Deutz. Dynamic performance evolution with low fuel consumption and little need for servicing — so you can even build under the most extreme work conditions.





The Engine

MASTER ANY JOB WITH POWER

Range of performance depending
on the mobile excavator:
67 - 127 kW at 2000 min⁻¹



It is truly fun when the machine starts up, a slight vibration can be felt and then the excavator moves powerfully across any terrain and quickly down any road.

Good for your work

The modern, water-cooled 4- and 6-cylinder series engines from Deutz are specially developed for use in TEREX construction machines. They are impressive thanks to their compact design and enormous power density even at very low engine speeds as well as their fuel economy, long service life, low maintenance costs and little need for servicing. Two separate auxiliary drives for additional hydraulic units are also available for your demanding jobs.

Good for your comfort

The engine has easily accessible maintenance points for more ease of use. All of our machines come with an electronic engine controller that supplies the display with operating and service data.

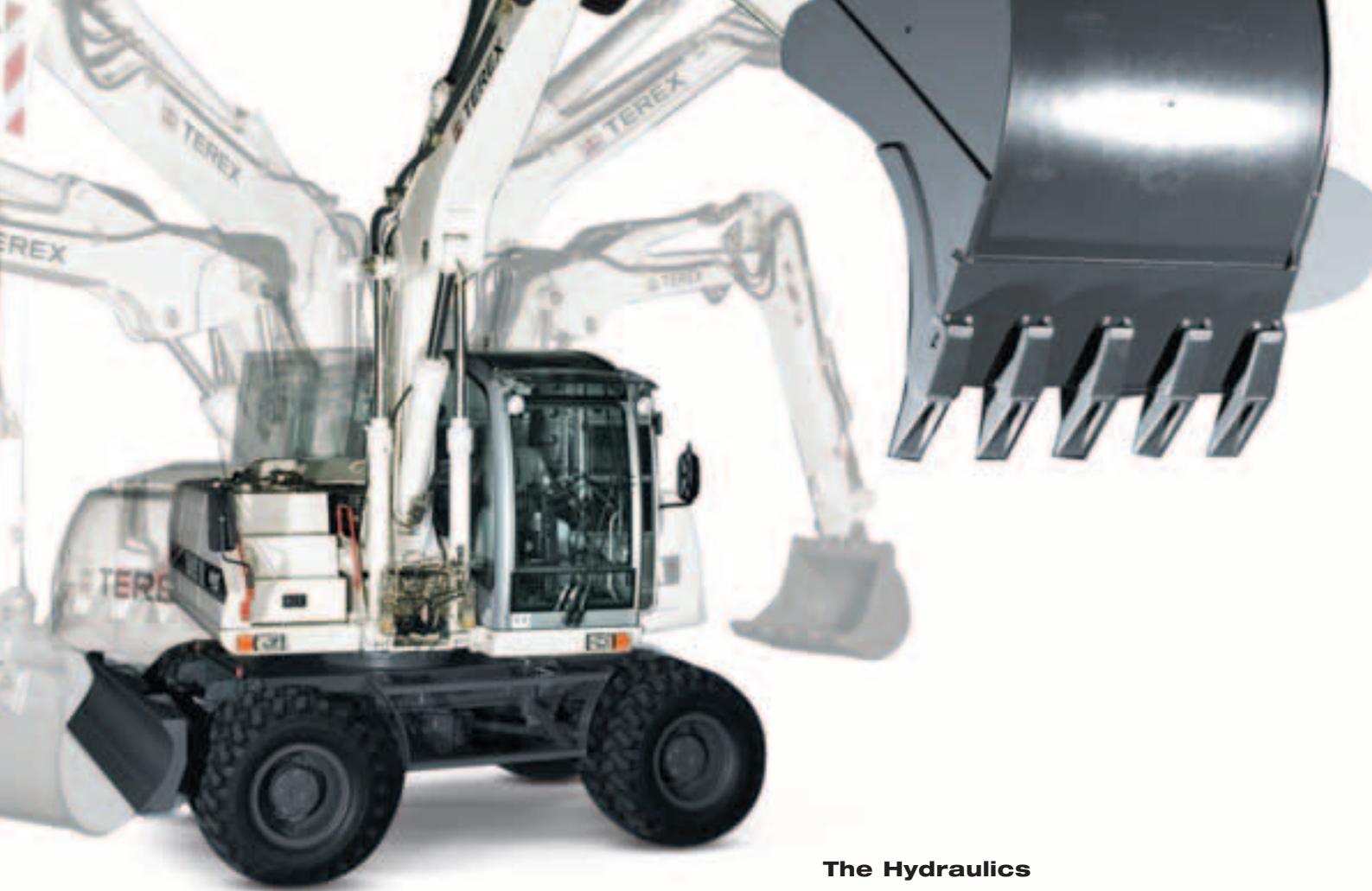


Good for your nerves

Our Deutz engines contribute to the ergonomic comfort — the very low noise level in the driver's cab and the excavator environment are the result of a particularly quiet engine combined with high performance at low engine speeds. The engine is also easy on your nerves when it comes to maintenance: A large selection of replacement parts allows fast and inexpensive inspections.

Good for the environment

Our machines comply with EU-RL 97/68 (stage 2) and US-EPA Nonroad (tier 2) emissions regulations. Low exhaust and noise emissions, low environmental impact — good for you, good for the environment.



The Hydraulics

THE BEST ASSISTANCE AVAILABLE

Our hydraulics system optimises your work. It thinks with you. And assists you in three main areas: More cost effectiveness, more comfort, more security. Tried and tested a thousand times in use at construction sites.

More cost effectiveness

The right amount of power at the right time. Whether fast power cycles, large piston capacity or maximum breakaway and breakout torque are required: you adjust the machine's mode of operation to meet your exact needs using our load-sensing system. For more cost effectiveness — you save fuel and service costs.

More comfort

Our hydraulics system makes your work easier through excellent sensitivity and controllability. The intelligent hydraulics management enables the proportional load-independent drive as well as the overlapping of the working motions.

More security

Primary and secondary protection from overloads, prefill valves for all work functions, load-hold and fine-drop valves and the brake valve protect you just as much as the pipe rupture valve for the lifting cylinder, the emergency steering and the accumulator for the emergency lowering of the arm system.

A TEREX machine is always a sure thing.





Control / monitoring

INFORMATION

At exactly the right time

Our AEM system is a sophisticated control and monitoring system that modifies job performance individually based on the specific need.



Always there for you

The main task of the AEM system is to perfectly tune the AEM system engine and the hydraulic pumps in order to always provide you with maximum power at a constant engine speed.

For the highest productivity with the lowest possible fuel consumption.

Well informed

The AEM system permanently provides you with the most important operating data and warning messages on a large display. The high-contrast display is easy to read even in bright sunlight.

The service menu, with maintenance-interval and measurement-data display, simplifies service and troubleshooting.





Operating modes — exactly the right power

The AEM system already provides you with three pre-programmed operating modes: Fine, Eco and Power bring the excavator into its ideal “start position” at the push of a button. Engine and hydraulics power are directly adjusted based on the particular operating state.

You can also adjust the operating mode individually as needed.

You choose

The fine control mode is for all applications that require very precise work.

Normal work like lorry loading and ground excavation are performed particularly efficiently in Eco mode.

If maximum excavation and loading power are needed, you can switch to Power mode.

A comfortable ride is standard

Automotive driving and cruise control are standard. When driving on the road, speed and engine RPMs are controlled via the gas pedal.

The cruise control is activated via the AEM control panel. The cruise control is preset to top speed by default. The driving direction is pre-selected using a switch on the right pilot lever. So that your ride is safe and comfortable even when your trip is long.

Faster changing of attachments

Optional: There are five different operating modes available for the use of different attachments. At the push of a button, pre-select the weight and the quantity that your attachment is working with — this saves you time-consuming readjustment of the hydraulics after retooling.



The Cab

THE BEST VIEWS OF YOUR WORK

You should feel comfortable in places where you spend a lot of time. Our spacious cab has everything you need to work comfortably.

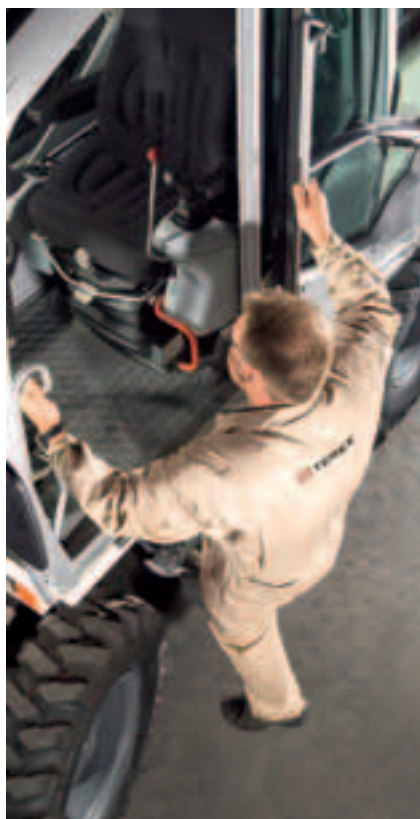


Welcome to the feel-good program at work

The interior is spacious. The adjustable steering column allows you to customise your work station. The sound pressure level in the cab is very low thanks to an elaborate acoustic-insulation system. The elastic suspension of the driver's cab on the upper wagon allows you to work free of vibration.

The pedals are arranged for maximum legroom in the spacious footwell, and the flat floor is easy to clean.





Sudden start

You can already feel the comfort when climbing to your workstation through the extra-wide entrance. Large step treads, optimally arranged handle bar and a large cab door are just as important as the ergonomically positioned grab handles.

The left arm console can be folded up for climbing in and out quickly.



Ready to be sat on

The air-suspended driver's seat can be adjusted based on the height and the weight of the driver. For a relaxed posture, you can easily adjust the backrest, lumbar support, seat-cushion length and tilt — independently of the control console.

Everything well within view

Our spacious cab has an excellent all-around view. The interior is glare-free. The narrow steering column allows a very good view of the attachment and the dozer blade. The front windscreen can be pushed under the roof of the cab. You can always see well with the particularly large wiping field of the windscreen wiper and the defrost function for quick defrosting and de-icing of the front windscreen with a total of 12 air nozzles. You also stay cool when temperatures rise thanks to the standard heat-insulating glass, the roller blinds and the air-conditioning system.

So that you have everything well under control

All steering components are positioned clearly and concisely and directly within the driver's reach for the best possible operating comfort. Our proprietary control levers are both ergonomically shaped and offer short and precise routes. Just press lightly on the large buttons to activate the swing-axle interlock, operating modes, automatic idle and many other functions.



The Lower Wagon

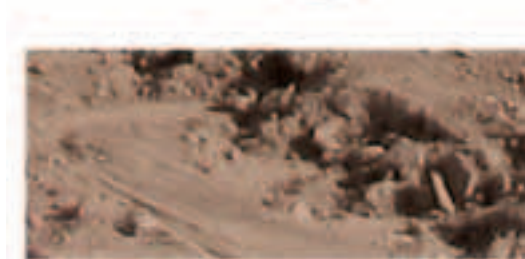
NOTHING CAN STOP IT

The low centre of gravity and our compact design guarantee high stability with excellent off-road mobility.



You won't get tired even when working with heavy loads.

The welded main frame ensures very good stability and torsional stiffness.



The right chassis for any job

The modular chassis design lets you choose: You can tailor the lower wagon for your specific needs from different versions of claws and dozer blades.

Our dozer blade is well suited for bull-dozing work thanks to the parallel kinematics and the special shape of the blade. Our claws ensure low ground pressure with maximum stability.





This drive brings you quickly and safely to your destination

Whether crawling speed or top speed — whether 1 km/h or 30 km/h (with high-speed option):

with our power-shift transmission, you determine the speed.

The high tractive force transports the excavator quickly and safely across any terrain, supported by the tried and tested traction properties of our tyres.

The sensitive power steering on the swing axle turns even harsh terrain into a “flat road”.

The road holding and the excellent driving properties of the 05 series are impressive even for fast on-road driving.

The chassis has robust, specially designed excavator axles with planetary drives in all 4 wheel hubs. All-wheel drive, a traction control motor and a dual-action brake valve are standard.

We play it safe here

The steering axle has an automatic swing axle blocking in order to safely drive the machine in any area even with heavy loads.

You decide whether the lock comes on automatically during braking or whether it is activated manually.

Other safety aspects

- Brakes: wet, maintenance-free disc brakes
- Very good emergency steering property





Booms and Arms

ENORMOUS POWER EXPANSION THROUGH OPTIMUM EQUIPMENT

All components are designed for high lifting capacities, optimum trench curves and fast working and driving motions. The structural advantages of our arms lie in our tried and tested welding process. They weight less but have the same robustness. Highly stressed zones were thereby strengthened for a safe work environment.

Wide selection — our booms and arms

Lifting capacities, ranges and tear-out and breakaway torque can be adjusted for the specific task with our boom/arm combinations through a wide selection of boom/arm combinations.

The adjustable booms

Our adjustable booms can be extended and retracted hydraulically and offer great loading and reach heights. The main advantage over monoblock booms is greater range of coverage and reach height, and you can use the machine in a more versatile manner.

The monoblock boom

With our monoblock booms, you are always well equipped for all standard tasks like loading and unloading or excavation.

The bending arms

The compact arms ensure maximum reach and lifting capacity. In connection with the tight-fitting hose progression, they are ideal for construction tasks. You can choose between two different bending arms based on your specific needs.

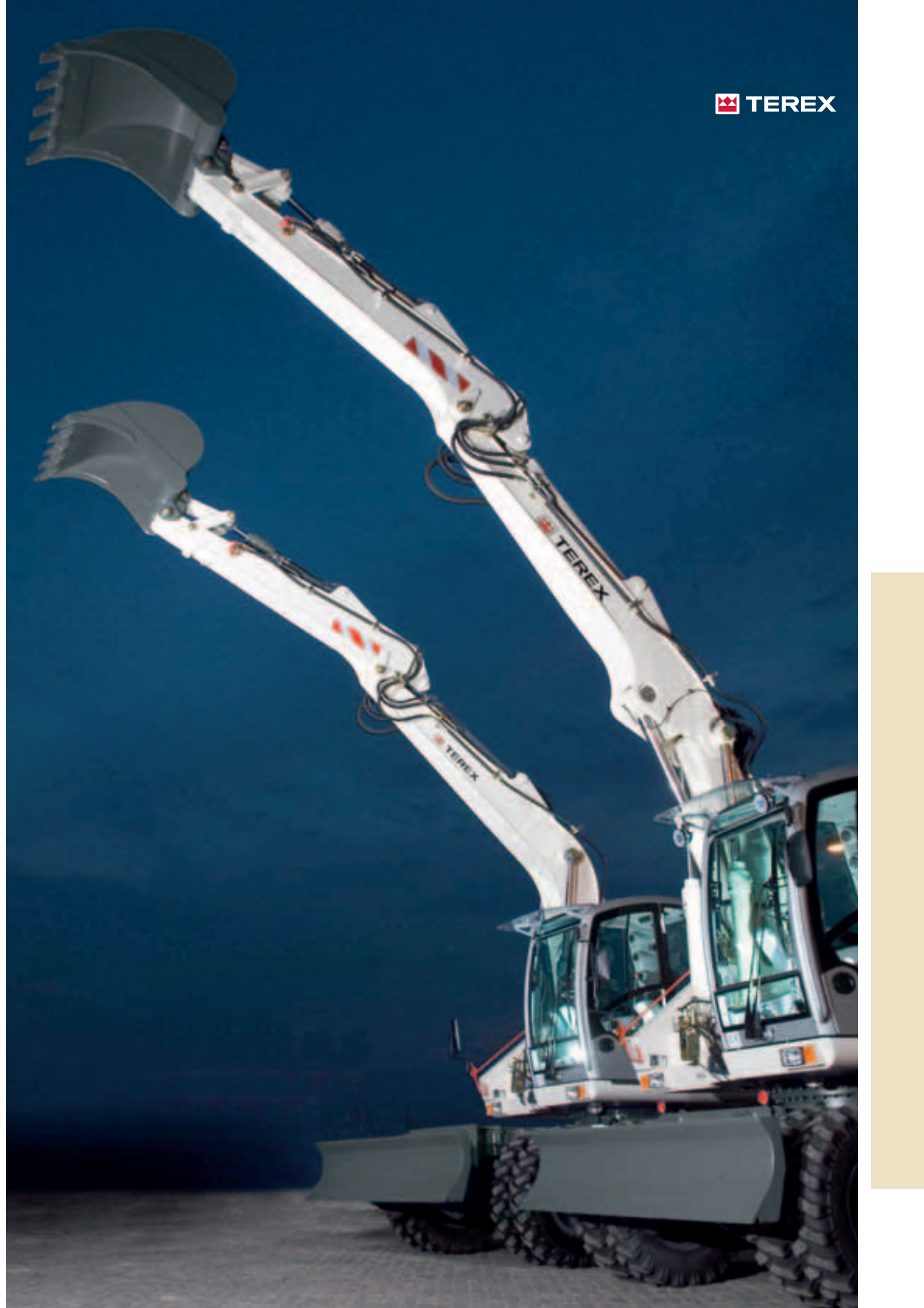
Cylinder with a long service life

Each cylinder is designed for maximum power based on the size of the unit. The high bending safety, the high-quality coated surface of the piston rod and special sealing systems ensure a long service life.

The end-position dampening when lifting, bending and closing the scoop avoids hard hits — less tiring work for driver and machine.



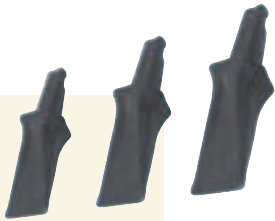
 **TEREX**





Tools

DO MORE WITH THE RIGHT TOOL



We manufacture our tools in standard and special models based on the most current know-how in the fields of machine and steel construction. High-strength steels, tried and tested technology and century-long experience in this industry are guarantees for cost-efficient and practical work.

The scoops

All especially well worn parts are made of high-strength, hardened and tempered fine grained steel. The easy penetration is achieved through the fine cut based on the slightly conical shape of the scoop. The tooth holders are held particularly flat and are integrated into the cutting edge. This creates less grab resistance and enables more power cycles. We also have different teeth shapes for different types of ground.

The grippers

The right gripper for any job — the multifaceted palette includes devices with single or multiple cylinders as well as double or multiple shell models. The models are made up of graduated base types and a series of assigned shell sizes. All gripper types are designed for maximum clamping force and optimum fill behaviour. The gripper pivot hydraulics are standard.

Other attachments

Additional attachments and, if necessary, an additional hydraulic unit can be easily added.

The greatest flexibility — quick switch devices

Our quick switch devices give you the highest flexibility when selecting the required attachment. The simple and robust construction of our mechanical and hydraulic quick switch device helps you retool with the least amount of effort in the shortest possible period of time.



Service and Maintenance

EASY, FAST, RELIABLE

Your time is important to us. So all maintenance terms have just one objective: to be completed as quickly and easily as possible.



The best service conditions

Service-friendly maintenance flaps make work easier. All lubrication points for the rotating assembly and the arm equipment are consolidated. For the daily oil check, the main components are in your direct field of vision and are easily accessible like the battery. So that our customer service can check the machine quickly, the measurement points are positioned at all relevant locations.

Capable service partners

The customer service employees of our dealers are highly trained in the technology in our factory in order to be qualified contacts for you at all times.

The best support

With our AEM system, you also have a reliable partner for servicing. The service menu with maintenance-interval and measurement-data display stores all required information. A diagnostics interface in the driver's cab for the connection of a laptop enables the easy readout and configuration of the AEM system.

The hydraulic oil filter

Thanks to our special procedure, the filter screen can be used over and over again. Only the media pack is replaced. This is environmentally friendly and reduces disposal costs considerably.

Long service life

We provide a long service life when maintenance and service intervals are observed and when original replacement parts are used.



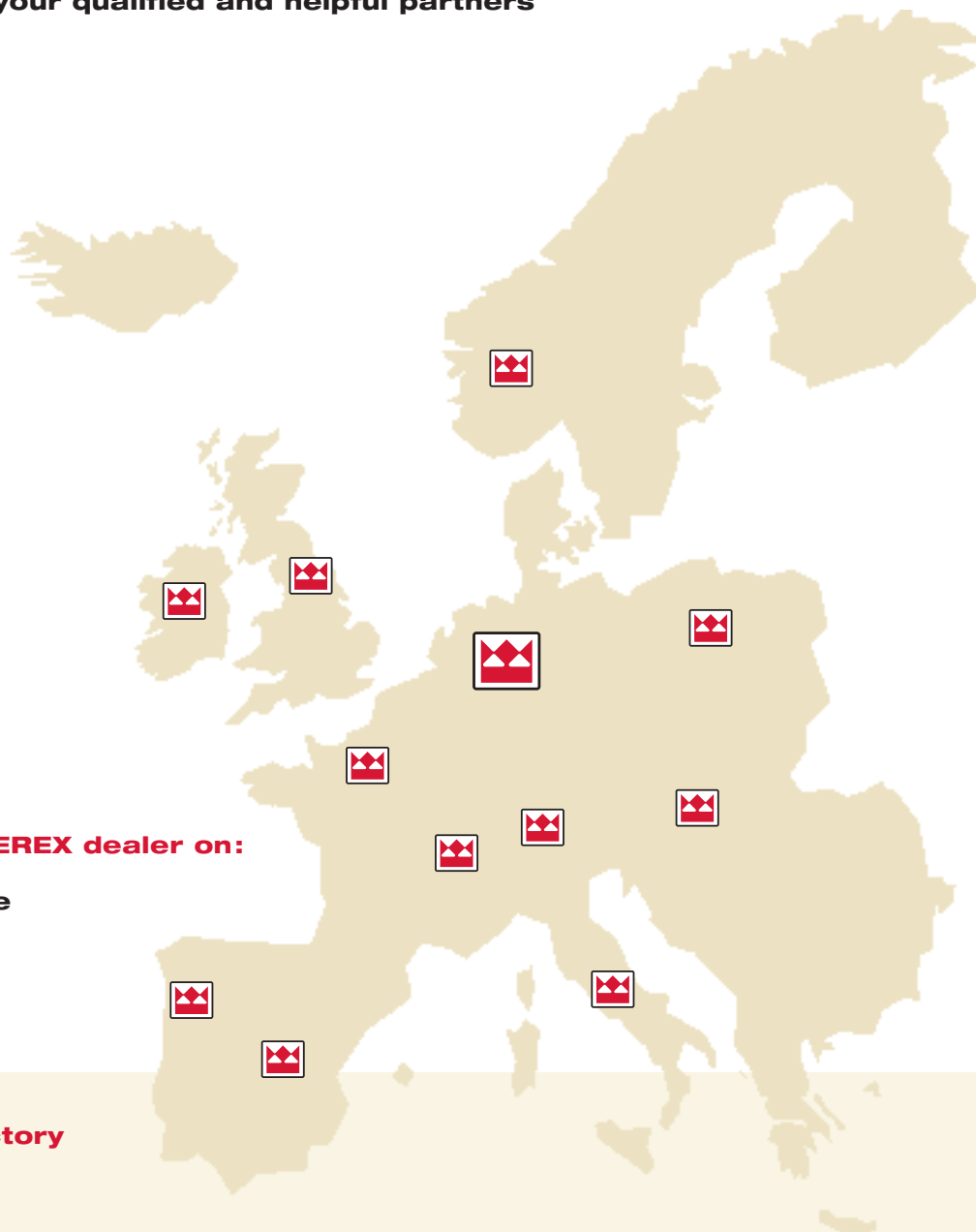
STABILE. STRONG. STEADY.



Dealer Directory

YOU'RE ALWAYS WELCOME HERE

TEREX dealers are your qualified and helpful partners



You can find your TEREX dealer on:

www.atlas-terex.de

Main Office and Factory

TEREX Atlas
Atlasstraße 6
27777 Ganderkesee
Tel. +49(0)4222-954-0
Fax +49(0)4222-954-220
info@atlas-terex.de
www.atlas-terex.de



Main Office and Factory

TEREX Atlas
Atlasstraße 6
27777 Ganderkesee
Tel. +49(0)4222-954-0
Fax +49(0)4222-954-220
info@atlas-terex.de
www.atlas-terex.de

Dealers

www.atlas-terex.de

We reserve the right to make structural changes; data is informational only.