

**OQTRS** TILTROTATORS WITH SANDWICH CONSTRUCTION



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	OUICK COUPLE FOR MAXIMUM	R SYSTEMS PERFORMA	NCE			

# THE ORIGINAL PIONEER SINCE 1993

Almost 30 years ago, OilQuick launched the first fully hydraulic quick coupler, revolutionising the construction industry. We are still visionaries and our OilQuick quick couplers continue to define the state of the art. Every day, our engineers work on groundbreaking innovations that allow attachments to be changed even more quickly. **Our aim:** We develop products that improve your work. Making your day-to-day work with your construction machine more efficient, convenient and safe.



### EFFICIENCY

Coupling and uncoupling works directly from the cab, without the use of tools or handling oil-contaminated couplings.



### **OPERATING EFFICIENCY**

At just a few tool changes a day, the investment pays for itself from short changeover times and more intelligent work processes!



### SAFETY

We use innovative tools to redefine safety and significantly reduce the risk of workplace accidents.



### SERVICE

We develop individual special solutions, retrofit innovations to existing equipment and offer a worldwide network of dealers and service centres.

# THE FUTURE IS CLOSER THAN YOU THINK

We think as visionaries and utilize the most innovative technologies to make your daily life easier, safer and more efficient. For the best human-machine team in the galaxy. With the OilQuick Tiltrotator you can start working on tomorrow's construction site, today. Our mission: To always stay one step ahead. **See for yourself!** 









# FOR EVERYONE WITH BIG PLANS WE BOOST YOUR PRODUCTIVITY!

Rotate endlessly in both directions and simultaneously swivel sideways up to 45°: Our OQTR Series tiltrotators allow you to bring attached tools to any desired position. We combine the proven tiltrotator system from our cooperation partner engcon with the OilQuick quick coupler technology above and below the OilQuick tiltrotator. Thanks to this sandwich construction (OQTRS), not only can you change the attachments on the tiltrotator under mechanical or hydraulic control, but also take off the OilQuick tiltrotator itself from time to time to make maximum use of the excavator's performance capacity.

For excavators from 4 to 33 tonnes. Also for fixed attachments (OQTRF).

All OQTR-E models can optionally be delivered with ePS for connection to common GPS systems.

### SERIES: DOUBLE-ACTING HYDRAULIC CYLINDER

with tempered piston rod and load retention valves (Requirement when travelling with pallet fork)



GPS support (1 sensor): easy maintenance and retrofitting. Prepared for ePS (engcon Positioning System) for connection to any desired GPS system\* (applies from EC209)

> \* Requires ePS and can be combined with Leica Geosystems, Scanlaser, Topcon, Trimble, Novatron and MOBA (2017). Contact the supplier of your excavator system regarding compatibility.

**STRONG ROTATIONAL TORQUE** infinite rotation in both directions

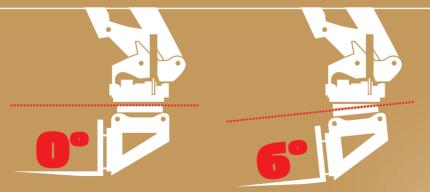
### ZERO-DEGREE-TECHNOLOGY

New: OilQuick tiltrotator with the revolutionary zero degrees standard

# BE BALANCED BE BETTER

SUPPORTED BY LEADING PARTNERS WITHIN THE SECTOR:





OilQuick Tiltrotator OQTR and leading partner in the sector Standard market tiltrotator

## TILTROTATOR WITH ZERO DEGREE TECHNOLOGY



Zero4Hero.de

**Full compatibility:** The previously standard 6° tilt of the rotation level no longer applies. You can use any conventional attachment with any manufacturer.



**Simple to operate:** From now on, the machine operator no longer needs to correct for any rocking of the attachment – ensures the tiltrotator is a pleasure to work with.

**Better safety:** The Zero Degree Technology reduces both the time needed to start working with the device and the risk of accident, thus contributing to better health and safety on your construction site.

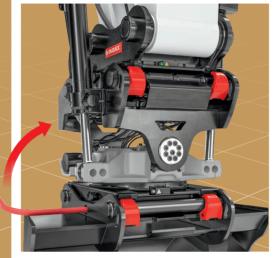
# TILTROTATOR OQTRS

The mechanical version is a popular choice for newcomers to the world of tiltrotators and a varied, easy-to-use solution for rental parks: The machine operator locks and unlocked the quick couplers using a socket wrench simply connect and get going!

### FROM MECHANICAL TO FULLY HYDRAULIC -CAN BE RETROFITTED AT ANY TIME

	MECHANICAL	HYDRAULIC/ BASIC	FULLY HYDRAULIC
simple and flexible device replacement	$\checkmark$	$\checkmark$	$\checkmark$
Zero Degree Technology	$\checkmark$	$\checkmark$	$\checkmark$
can be used with all excavator brands	$\checkmark$	$\checkmark$	$\checkmark$
tool changes from the cab		$\checkmark$	$\checkmark$
hydraulic supply to attached devices	_	-	$\checkmark$







READY FOR USE

NO ADDITIONAL CONTROL SYSTEM NEEDED



WITHOUT ELECTRIC COUPLING

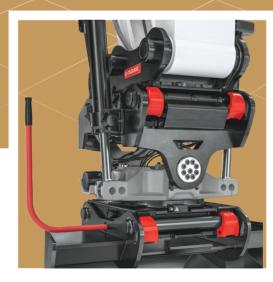
FOR IMMEDIATE USE ON ANY EXCAVATOR

FLEXIBILITY FOR THE RENTAL FLEET

# 

### DID YOU KNOW?

Our sustainable and modular system guarantees easy retrofitting from mechanical to hydraulic or fully hydraulic, entirely without replacement.



# TILTROTATOR OQTRS MADRAULIC BASIC

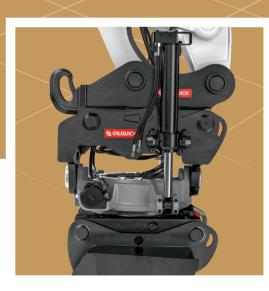
### FROM MECHANICAL TO FULLY HYDRAULIC -CAN BE RETROFITTED AT ANY TIME

	MECHANICAL	HYDRAULIC/ BASIC	FULLY HYDRAULIC
simple and flexible device replacement	$\checkmark$	$\checkmark$	$\checkmark$
Zero Degree Technology	$\checkmark$	$\checkmark$	$\checkmark$
can be used with all excavator brands	$\checkmark$	$\checkmark$	$\checkmark$
tool changes from the cab	_	$\checkmark$	$\checkmark$
hydraulic supply to attached devices	_	-	$\checkmark$



Using the hydraulic OilQuick quick coupler, you can easily couple or uncouple attachments – with the sandwich construction, even the entire tiltrotator – from the cab at the touch of a button.





### EASY TO MAINTAIN

**TOOL CHANGES** FROM THE CAB

> LOW DESIGN



Our complete High Flow competence is also available in the fixed attachment.

### FROM MECHANICAL TO FULLY HYDRAULIC -CAN BE RETROFITTED AT ANY TIME

	MECHANICAL	HYDRAULIC/ BASIC	FULLY HYDRAULIC
simple and flexible device replacement	$\checkmark$	$\checkmark$	$\checkmark$
Zero Degree Technology	$\checkmark$	$\checkmark$	$\checkmark$
can be used with all excavator brands	$\checkmark$	$\checkmark$	$\checkmark$
tool changes from the cab		$\checkmark$	$\checkmark$
hydraulic supply to attached devices	_	_	$\checkmark$



In the fully hydraulic version of the tilt rotator, the oil lines of your attachments are coupled at the same time in addition to the hydraulic lock, depending on the flow volume "Low Flow" or "High Flow".

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### WELL-THOUGHT-OUT PIPING SYSTEM THAT PROTECTS AGAINST DAMAGE

OPTIMAL OIL SUPPLY – EVEN FOR HIGH-SPEED ATTACHMENTS

APPROVED FOR HAMMERS AND MILLING CUTTERS WITHOUT LIMITATIONS



With our modular hydraulic platform we adapt the OilQuick tiltrotator to your excavators control system – not the other way round. No need to make changes to your joystick and without any risk to your CE certification.

### AWARD-WINNING OCCUPATIONAL SAFET **INNOVATIONS AT** THE CUTTING EDGE OF THE SECTOR

Our engineers are continuously developing the OilQuick quick coupler. We have your back – with well thought-out user functions, advanced occupational safety ideas and digital features. This also impress experts in the field: Berufsgenossenschaft der Bauwirtschaft (BG Bau, statutory accident insurance for construction and construction-related services in Germany) awarded OilQuick the EuroTest Prize 2019 for its "outstanding technical occupational safety and product safety" achievements.

### **SMARTER: VISUAL MRL DISPLAY**

Popular with machine operators and acclaimed by health and safety experts: The OilQuick visual MRL display was jointly developed with users and makes locking control easier than ever before.

### **MORE EFFICIENT: OILQUICK APP**

Smartphones and tablets have long been part of the standard toolbox of machine operators and service technicians. In our OilQuick App you will find many practical digital services for your quick coupler!

### **MORE SUSTAINABLE: CLEAN SYSTEM**

From A for ALLU Group to Z for Zeppelin	Inco
Baumaschinen GmbH: More than 200 partners	Acci
in the construction machinery sector are	The
already working with us to promote homogeneous	your
quick coupler systems.	





### YOUR SAFETY REDEFINED

 VISUAL DISPLAY DROP GUARD • ZERO DEGREE TECHNOLOGY CLEAN SYSTEM



orrectly mounted attachment? cidentally opened locking bolts? OilQuick drop guard reliably prevents ur attachments from falling.



# **BEAPARTOF BE BETTER**

The variety of systems has grown along with the rising success of the quick coupler - and with it the number of possible system combinations. Practice shows that mixed operation of this type creates unforeseeable complications, even at safety-related interfaces.

Which is why we introduced the Clean System Seal in 2019: Over 200 dealers and rental fleets have already voluntarily undertaken to not combine OilQuick quick couplers with products from other manufacturers and to only use genuine spare parts. Because when we guarantee your safety, for us this also means the smooth operation and long service life of our quick couplers.



Danger of contamination during mixed operation



A clean. homogeneous system

## UNDENIABLY EFFICIENT

Our OilQuick tiltrotator with quick coupler is your flexible "wrist", and lets you not only expand the uses of your excavator, but also saves you time and money. Work in places that are normally hard to reach and save yourself difficult manual work.



### **IN FIGURES**

Among other things, the efficiency of excavation and filling work in structural and civil engineering is cut by up to half! -------



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»With the OilQuick tiltrotator we have to do much less switching around. We are able to work faster, save more fuel and be more environmentally friendly.«

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# THE UNIVERSAL JOINT FOR YOUR EXCAVATOR

For digging around obstacles, filling with maximum precision or creating models to that are gentle on the substrate: The OilQuick tiltrotator enables maximum freedom of movement and quick tool changes without implements. For excavators from 4 to 33 tonnes service weight, for structural and civil engineering, for landscaping and platform construction, road and sewer work.



DOES YOUR HUMAN MACHINE TEAM NEED AN UPGRADE?

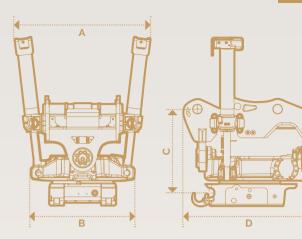
Simply scan the QR code.





### TILTROTATOR FOR ALL EXCAVATORS FROM 4 TO 6 t

The OilQuick tiltrotator for smaller compact excavators



### TECHNICAL DATA

Max. scoop width 1.2 m Max. breakaway torque 45 kNm Weight (kg) from 280 kg Swivel angle up to 2 x45° Swivel time for 90° 3 sec. at 15 L/min Rotation speed / revolution 6.5 sec. at 30 L/min

### CONTROL SYSTEM:

on request

TIPPING CYLINDER: double-acting with load retention valve

### **CENTRAL LUBRICATION:** one central lubrication point

**ROTOR:** infinite rotation in both directions

### Mechanical

without rotary transmission – mechanical quick coupler at bottom

### Basic version, hydraulic

with basic rotary transmission – with basic valve unit – hydraulic basic quick coupler at bottom

### DIMENSIONS

### OQ45-4/-5

 Dim. (A)
 577 mm

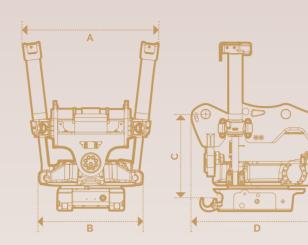
 Dim. (B)
 363.5 mm

 Dim. (C)
 472.5 mm

 Dim. (D)
 573 mm

### TILTROTATOR FOR ALL EXCAVATORS FROM 6 TO 9 t

The OilQuick tiltrotator for compact excavators





### **TECHNICAL DATA**

Max. scoop width 1.3 m Max. breakaway torque 74 kNm Weight (kg) from 285 kg Swivel angle up to  $2 \times 45^{\circ}$ Swivel time for 90° 3 sec. at 35 l/min Rotation infinite Rotation speed / revolution 7 sec. at 40 l/min

### CONTROL SYSTEM: on request

UQTRS-EUY

TIPPING CYLINDER: double-acting with load retention valve

### CENTRAL LUBRICATION:

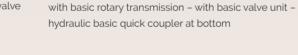
one central lubrication point

### ROTOR:

infinite rotation in both directions



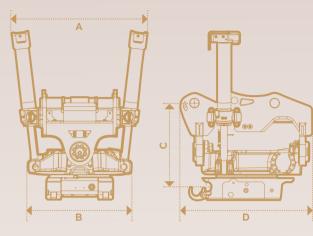
Q45-4/-5		OQ60-4/-5	
Dim. (A)	690 mm	Dim. (A)	725 mm
Dim. (B)	510 mm	Dim. (B)	510 mm
Dim. (C)	470 mm	Dim. (C)	530 mm
Dim. (D)	550 mm	Dim. (D)	550 mm



Mechanical

Basic version, hydraulic

without rotary transmission – mechanical quick coupler at bottom



# UQTRS-E14

### TILTROTATOR FOR ALL EXCAVATORS FROM 9 TO 14 t

The OilQuick tiltrotator for lightweight mid-range excavators

### TECHNICAL DATA

Max. scoop width 1.6 m Max. breakaway torque 126 kNm Weight (kg) from 300 kg Swivel angle up to  $2 \times 45^{\circ}$ Swivel time for 90° 3 sec. at 35 L/min Rotation infinite Rotation speed / revolution 7 sec. at 50 l/min

### DIMENSIONS

DQ45-4/-5		OQ60-4/-5	
Dim. (A)	700 mm	Dim. (A)	750 mm
Dim. (B)	610 mm	Dim. (B)	610 mm
Dim. (C)	500 mm	Dim. (C)	530 mm
Dim. (D)	620 mm	Dim. (D)	620 mm

### CONTROL SYSTEM: on request

TIPPING CYLINDER: double-acting with load retention valve

### CENTRAL LUBRICATION: one central lubrication point

ROTOR: infinite rotation in both directions

### Mechanical

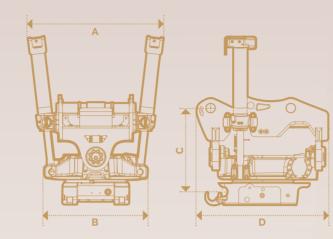
without rotary transmission – mechanical quick coupler at bottom

### Basic version, hydraulic

with basic rotary transmission – with basic valve unit – hydraulic basic quick coupler at bottom

### TILTROTATOR FOR ALL EXCAVATORS FROM 14 TO 19 t

The OilQuick tiltrotator for mid-range excavators with a wide range of applications





Max. scoop width 1.7 m Max. breakaway torque 186 kNm Weight (kg) from 460 kg Swivel angle up to  $2 \times 45^{\circ}$ Swivel time for 90° 3 sec. at 65 l/min Rotation infinite Rotation speed / revolution 6 sec. at 70 l/min

### DIMENSIONS

OQ60-4/-5		OQ65 / RAIL		OQ70/5
Dim. (A)	790 mm	Dim. (A)	880 mm	Dim. (A
Dim. (B)	600 mm	Dim. (B)	600 mm	Dim. (B
Dim. (C)	500 mm	Dim. (C)	610 mm	Dim. (C
Dim. (D)	800 mm	Dim. (D)	800 mm	Dim. (D

### CONTROL SYSTEM: on request

TIPPING CYLINDER: double-acting with load retention valve

### CENTRAL LUBRICATION:

one central lubrication point

### ROTOR:

infinite rotation in both directions

) 1010 mm 3) 730 mm ) 570 mm (D) 800 mm

### Mechanical

without rotary transmission – mechanical quick coupler at bottom

### Basic version, hydraulic

with basic rotary transmission – with basic valve unit – hydraulic basic quick coupler at bottom

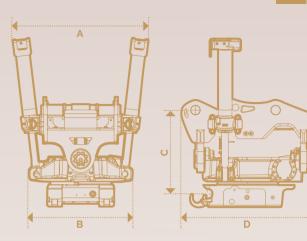






### TILTROTATOR FOR ALL EXCAVATORS FROM 19 TO 26 t

The OilQuick tiltrotator for powerful mid-range excavators



### TECHNICAL DATA

Max. scoop width	2.0 m
Max. breakaway torque	270 kNm
Weight (kg)	from 580 kg
Swivel angle	up to 2 x 45°
Swivel time for 90°	5 sec. at 70 l/min
Rotation	infinite
otation speed / revolution	7 sec. at 70 l/min

### DIMENSIONS

OQ65 / RAIL		OQ70	
Dim. (A)	820 mm	Dim. (A)	850 mr
Dim. (B)	680 mm	Dim. (B)	680 mi
Dim. (C)	610 mm	Dim. (C)	630 mi
Dim. (D)	820 mm	Dim. (D)	870 mr

### CONTROL SYSTEM:

on request

### TIPPING CYLINDER: double-acting with load retention valve

### **CENTRAL LUBRICATION:** one central lubrication point

### ROTOR:

OQ70/55

Dim. (A) 890 mm

Dim. (B) 780 mm

Dim. (C) 630 mm

Dim. (D) 870 mm

infinite rotation in both directions

### Mechanical

without rotary transmission – mechanical quick coupler at bottom

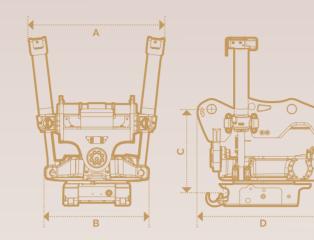
### Basic version, hydraulic

with basic rotary transmission – with basic valve unit – hydraulic basic quick coupler at bottom



### TILTROTATOR FOR ALL EXCAVATORS FROM 24 TO 33 t

The OilQuick tiltrotator for larger excavators



### **TECHNICAL DATA**

Max. scoop width 2.2 m Max. breakaway torque 340 kNm Weight (kg) from 900 kg Swivel angle up to  $2 \times 45^{\circ}$ Swivel time for 90° 5 sec. at 70 l/min Rotation infinite Rotation speed / revolution 7 sec. at 70 l/min

### CONTROL SYSTEM: on request

**TIPPING CYLINDER:** double-acting with load retention valve

### CENTRAL LUBRICATION:

one central lubrication point

### ROTOR:

infinite rotation in both directions

### DIMENSIONS

OQ70		OQ70/55		0Q80	
Dim. (A)	1040 mm	Dim. (A)	1100 mm	Dim. (A)	1140
Dim. (B)	800 mm	Dim. (B)	800 mm	Dim. (B)	80
Dim. (C)	790 mm	Dim. (C)	790 mm	Dim. (C)	850
Dim. (D)	1000 mm	Dim. (D)	1000 mm	Dim. (D)	100



	0Q80	
nm	Dim. (A)	1140 mm
nm	Dim. (B)	800 mm
nm	Dim. (C)	850 mm
nm	Dim (D)	1000 mm

### without rotary transmission - mechanical quick coupler at bottom

Mechanical

Basic version, hydraulic with basic rotary transmission - with basic valve unit hydraulic basic quick coupler at bottom

SUSTAINABLY **PROFITABLE** 

We want to inspire you. With continuous innovation, but also with operational reliability and investment security. That's why we treat your resources responsibly and guarantee above-average service life and high value retention.

»The flexibility of the OilQuick tiltrotator not only saves many mechanical work steps, but also relieves our employees of heavy manual work with shovel and spade.«

# SPECIAL TODAY. STANDARD TOMORROW. CUSTOM PRODUCTIONS

Our great passion is developing innovative solutions for construction site issues. The fully automated quick coupler therefore plays a central role when initiating entirely new tools and work processes. Many OilQuick products are based on special designs for customers or on suggestions from retail trade. So we are not interested in unit numbers, but in the best individual solution.

> Do you have special requirements for the OilQuick think tank?

You've got our attention!

+49 8202 9618-0



### **PRECISION PLUS**

All models of the OQTRS-S can optionally be delivered with ePS (engcon Positioning System): Together with the excavator's GPS control system or a 3D system, you'll receive maximum control over the positioning of the attachments on the tiltrotator, such as the price tilt and rotation of the scoop.



### **THE ADD-ON FOR GRIPPING WORK** GRIPPER CLAMP

The gripper module with 3-finger claw is an integrated tool for picking up and handling materials such as pipes or stones.



### **WHOEVER NEEDS IT** ADAPTER FOR GRIPPER

Many tiltrotators integrate a gripper as standard. We deliberately take a different path: Using our optional adapter, you can stay flexible, save weight and benefit from a low attachment height.

DO SO WITH YOU



# SAFE STORAGE

From construction site to construction site or on the way to maintenance: The storage and transport frame makes handling while loading and correct load securing incredibly easy.

> STABLE STAND AND EASY LASHING EASY PICK-UP WITH THE PALLET FORK PROTECTION AGAINST CONSTRUCTION SITE CONTAMINATION TAILORED PRECISELY TO YOUR TILTROTATOR WITH DOCUMENT BOX FOR OPERATING MANUAL WRENCH BRACKET (MECHANICAL VERSION)

## **CLEAN SYSTEM A STRONG** COMMUNITY

From A for ALLU Group to Z for Zeppelin Baumaschinen: Over 200 firms and rental fleets in the construction machinery sector already bear the Clean System Seal. Do you want to locate a Clean System dealer in your area? Or are you interested in a Clean System partnership? Please get in touch!

**Coordination:** 

Anna Betz

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### WANT TO GET **EVEN BETTER? WELCOME TO THE OQ ACADEMY!**

OilQuick products are purchased for their durability, reliability and efficiency. With practical training courses at the OilQuick Academy, we help our customers to take full advantage of this investment. We'll show you tricks of the trade for operation, explain how to minimise wear and tear, and practice until you have fully mastered the safety tools. We alternate between the basics of technology and practical use, between classroom and training grounds. The aim: You work even more productively and safely with your quick coupler-tiltrotator combination after the training course. Tip: We offer special sales training courses for dealers.

### **SIGN UP NOW** AND LEARN MORE

For machine operators, fleet managers and construction machinery mechanics. For beginners and professionals who want to get the most out of their construction site vehicles. Feel free to get in touch with us for an appointment.

### +49 8202 9618-0

# OILQUICK BECAUSE **YOU DESERVE** THE ORIGINAL!

Are you interested in the technical details or looking for a specialist OilQuick dealer? Do you need a quote or want to attend a training course at the OilQuick Academy? Then please get in touch. Our team will be happy to help! Or visit us at one of the forthcoming trade fairs and experience our OilQuick tiltrotators live – all event dates are available on our website.



### OILQUICK DEUTSCHLAND KG

Bürgermeister-Schauer-Strasse 1 82297 Steindorf Germany



# ANY QUESTIONS **OR FEEDBACK?** WE'RE HERE FOR YOU.

## +49 8202 9618-0 www.oilquick.de info@oilquick.de

CONTACT 14



MAX. SCOO WIDTH

OQTRS-E06	1.2 M	
OQTRS-E09	1.3 m	
OQTRS-E14	1.6 m	
OQTRS-E19	1.7 m	
OQTRS-E26	2.0 m	
OQTRS-E33	2.2 m	



Which tiltrotators are for which excavator type? The practical QuickSpecs table gives you direct access to the relevant technical data anywhere in the brochure and enables you to quickly find your way around. Just fold out to the side.

# TECHNICAL DATA **QUICK SPECS**

)	MAX. BREAKAWAY TORQUE	WEIGHT	EXCAVATOR WEIGHT	ROTATION SPEED / REVOLUTION
	45 kNm	from 280 kg	4-6 t	6.5 s at 30 l/min
	74 kNm	from 285 kg	6-9 t	7 s at 40 l/min
	126 kNm	from 300 kg	9–14 t	7 s at 50 l∕min
	186 kNm	from 460 kg	14–19 t	6 s at 70 l/min
	270 kNm	from 580 kg	19-26 t	7 s at 70 l/min
	340 kNm	from 900 kg	24-33 t	7 s at 70 l/min

### **EVERYTHING AT A GLANCE** FOLD OUT AND READ







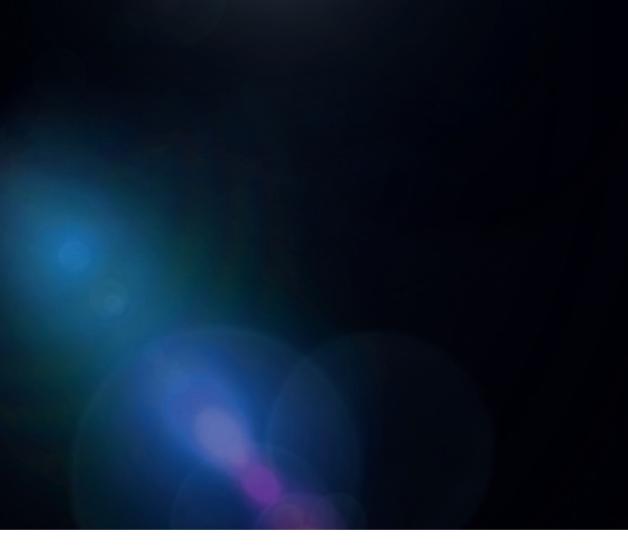
### WANT TO FIND OUT MOR # YOUR TILTROTATOR UPGRADE

oilquick.de/produkte

We have the right OilQuick tiltrotator for your excavator and your sector – from 4 to 33 tonnes service weight, for structural and civil engineering, for landscaping and rail construction, road and sewer work.



www.oilquick.de



### oilquick.de