



english

OQTRS

**CONNECT TO
THE FUTURE
BE BETTER**

OQTRS
TILTROTATORS WITH SANDWICH CONSTRUCTION



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QUICK AND SMART THE OQTRS TILTROTATOR

- ✓ **LOW CONSTRUCTION HEIGHT**
- ✓ **PROTECTED HYDRAULIC CONNECTIONS**
- ✓ **IMPACT-RESISTANT BEARING**
- ✓ **LOWER WEIGHT**

CYLINDER PIPING

integrated into steel structure. Lower attachment height possible.

VISUAL MRL DISPLAY

(not in mechanical variant)

OQ QUICK COUPLER

DROP GUARD

**STRONG
SWIVEL TORQUE
UP TO MAX.**

45°

SWIVEL ANGLE

Swivelling and rotation possible
at the same time

**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.

360° **STRONG ROTATIONAL
TORQUE**

infinite rotation in both directions

0°

ZERO-DEGREE-TECHNOLOGY

New: OilQuick tiltrotator with the revolutionary zero degrees standard

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.

BE BALANCED BE BETTER



SUPPORTED BY LEADING PARTNERS WITHIN THE SECTOR:

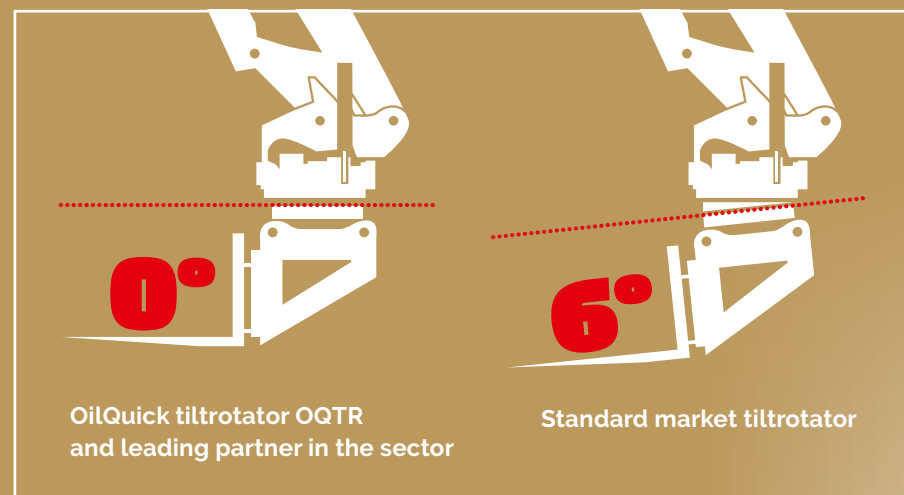
KINSHOFER
crane and excavator attachments

MTS
SCHWABENPOWER

HOLP
it's Vario!

HKS

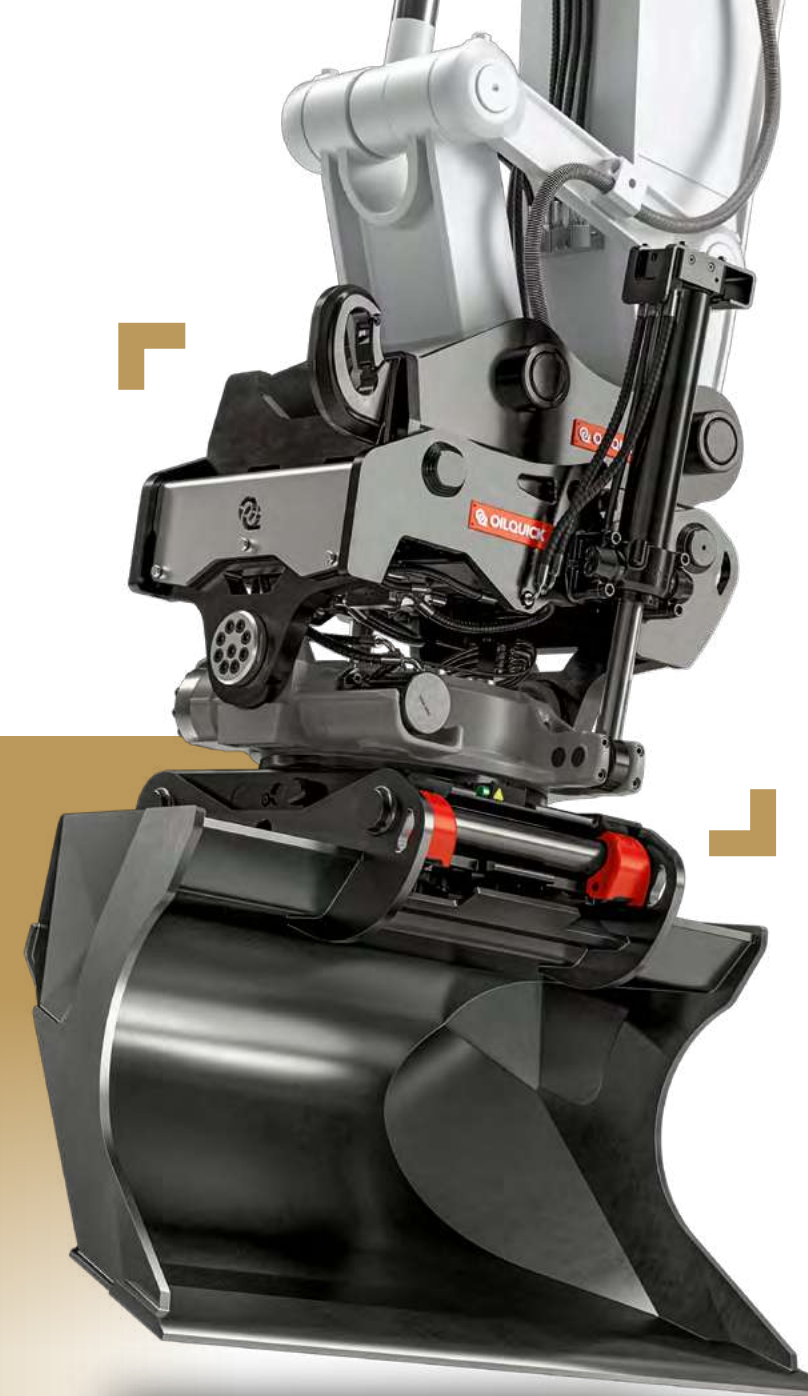
SMP



Zero4Hero.de

TILTROTATOR WITH ZERO DEGREE TECHNOLOGY

- ✓ **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.



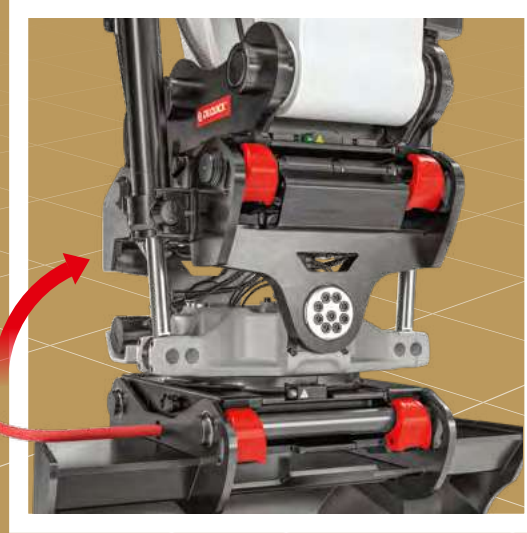
TILTROTATOR OQTRS MECHANICAL

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!

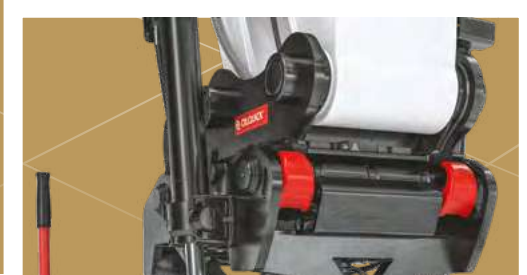
FROM MECHANICAL TO FULLY HYDRAULIC –
CAN BE RETROFITTED AT ANY TIME


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





- ✓ NO ADDITIONAL VALVE TECHNOLOGY NEEDED
- ✓ READY FOR USE IMMEDIATELY
- ✓ 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 HYDRAULIC BASIC

FROM MECHANICAL TO FULLY HYDRAULIC –
CAN BE RETROFITTED AT ANY TIME

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



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.



- ✓ TOOL CHANGES FROM THE CAB
- ✓ LOW DESIGN
- ✓ EASY TO MAINTAIN



DID YOU KNOW?

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



TILTROTATOR OQTRS
FULLY
HYDRAULIC

FROM MECHANICAL TO FULLY HYDRAULIC –
CAN BE RETROFITTED AT ANY TIME

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



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”.

- ✓ **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**

WHICH CONTROL
SYSTEM?
THE RIGHT ONE
FOR YOU!

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.

OQTRS

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.



OQTRS-E06

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 x 45°
Swivel time for 90°	3 sec. at 15 L/min
Rotation	infinite
Rotation speed / revolution	6.5 sec. at 30 L/min

DIMENSIONS

OQ45-4/-5

Dim. (A)	577 mm
Dim. (B)	363.5 mm
Dim. (C)	472.5 mm
Dim. (D)	573 mm

CONTROL SYSTEM:

on request

TIPPING CYLINDER:

double-acting with load retention valve

CENTRAL LUBRICATION:

one central lubrication point

ROTOR:

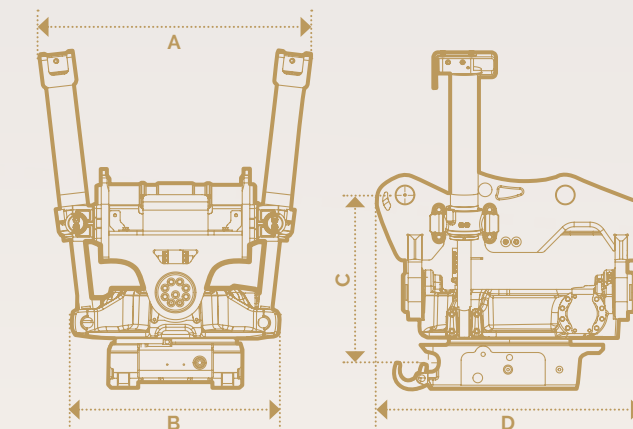
infinite rotation in both directions

Mechanical

without rotary transmission – mechanical quick coupler at bottom

Basic version, hydraulic

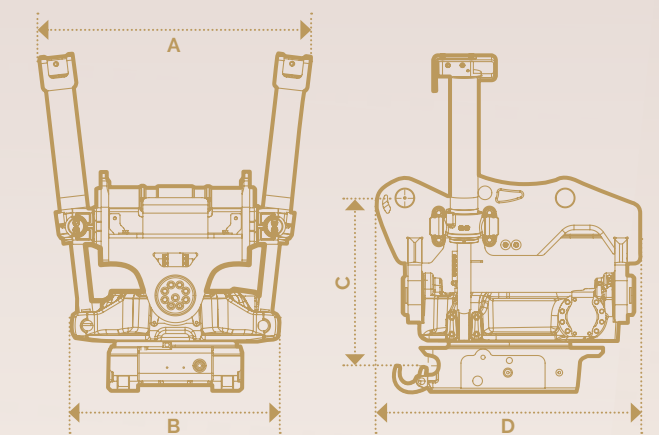
with basic rotary transmission – with basic valve unit – hydraulic basic quick coupler at bottom



OQTRS-E09

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 x 45°
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

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

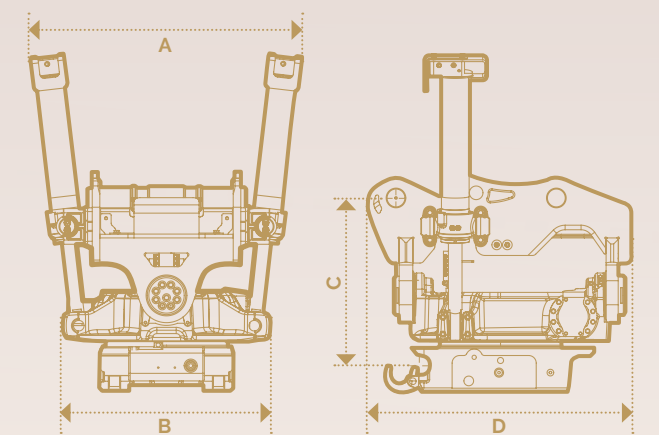
OQ45-4/-5	OQ60-4/-5
Dim. (A)	Dim. (A)
690 mm	725 mm
Dim. (B)	Dim. (B)
510 mm	510 mm
Dim. (C)	Dim. (C)
470 mm	530 mm
Dim. (D)	Dim. (D)
550 mm	550 mm



OQTRS-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 x 45°
Swivel time for 90°	3 sec. at 35 l/min
Rotation	infinite
Rotation speed / revolution	7 sec. at 50 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

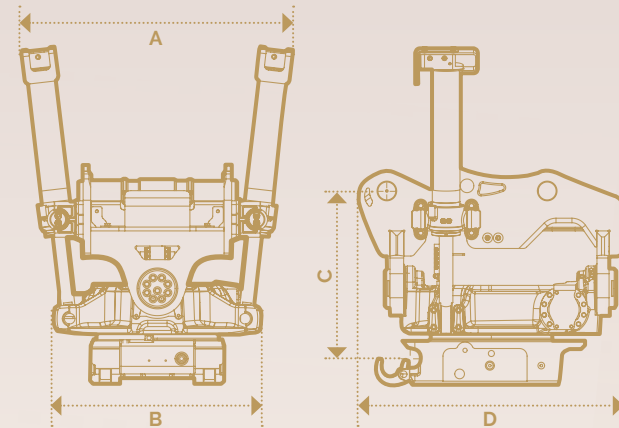
OQ45-4/-5	OQ60-4/-5
Dim. (A)	Dim. (A)
700 mm	750 mm
Dim. (B)	Dim. (B)
610 mm	610 mm
Dim. (C)	Dim. (C)
500 mm	530 mm
Dim. (D)	Dim. (D)
620 mm	620 mm



OQTRS-E19

TILTROTATOR FOR ALL EXCAVATORS FROM 14 TO 19 t

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



TECHNICAL DATA	
Max. scoop width	1.7 m
Max. breakaway torque	186 kNm
Weight (kg)	from 460 kg
Swivel angle	up to 2 x 45°
Swivel time for 90°	3 sec. at 65 l/min
Rotation	infinite
Rotation speed / revolution	6 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	
OQ60-4/-5	OQ65 / RAIL
Dim. (A)	790 mm
Dim. (B)	600 mm
Dim. (C)	500 mm
Dim. (D)	800 mm

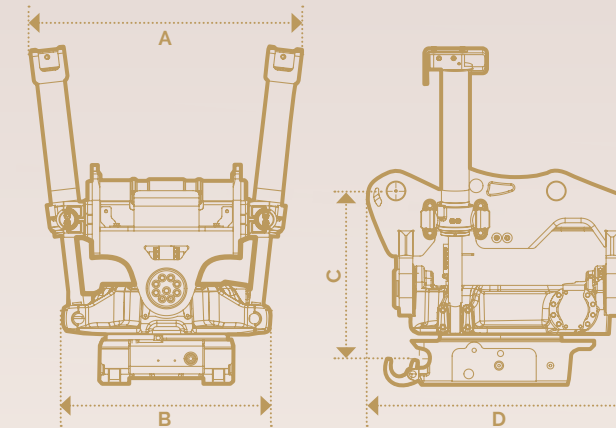
OQ70/55	
Dim. (A)	1010 mm
Dim. (B)	730 mm
Dim. (C)	570 mm
Dim. (D)	800 mm



OQTRS-E26

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
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	
OQ65 / RAIL	OQ70
Dim. (A)	820 mm
Dim. (B)	680 mm
Dim. (C)	610 mm
Dim. (D)	820 mm

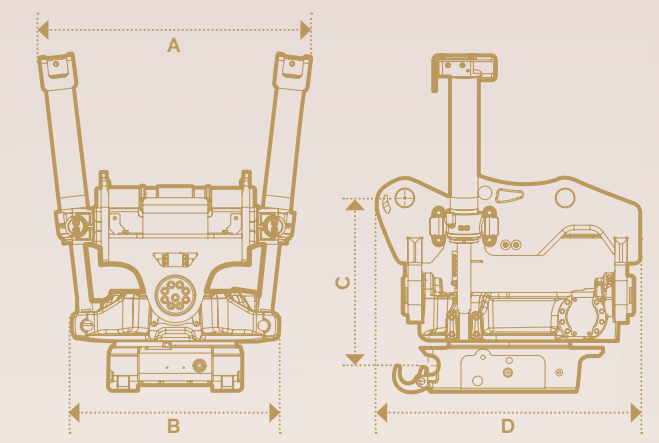
OQ70/55	
Dim. (A)	890 mm
Dim. (B)	780 mm
Dim. (C)	630 mm
Dim. (D)	870 mm



OQTRS-E33

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 x 45°
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

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

	OQ70	OQ70/55	OQ80
Dim. (A)	1040 mm	Dim. (A) 1100 mm	Dim. (A) 1140 mm
Dim. (B)	800 mm	Dim. (B) 800 mm	Dim. (B) 800 mm
Dim. (C)	790 mm	Dim. (C) 790 mm	Dim. (C) 850 mm
Dim. (D)	1000 mm	Dim. (D) 1000 mm	Dim. (D) 1000 mm



»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.«

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.



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.

**WE EXPAND OUR
THINKING. AND
WOULD BE HAPPY TO
DO SO WITH YOU.**

Do you have special requirements
for the OilQuick think tank?
You've got our attention!

+49 8202 9618-0



PRECISION PLUS EPS

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.



SAFE STORAGE STORAGE AND TRANSPORT FRAME

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)



oilquick.de/produkte

WANT TO FIND OUT MORE? YOUR TILTROTATOR UPGRADE

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.

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