



OQTR PRO

THE INTELLIGENT TILTROTATOR



OQTR PRO Line

The world's safest, most advanced and effective tiltrotator system. OQTR PRO Line is OilQuick's new range of safe, versatile and smart tiltrotators.

OQTR is based on Rototilt's new R series, which incorporates OilQuick's automatic quick coupling technology and the newly developed OilQuick Control System (OQCS). This gives you the use of the most modern, reliable and productive tiltrotator solution on the market.

OQTR PRO is available in three models for excavators and can be supplied with OilQuick's symmetrical quick coupler above and below the tiltrotator.



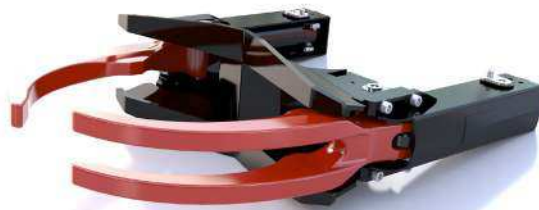
Benefits of OQTR Pro

OilQuick takes tiltrotators to the next level

The OilQuick tiltrotator can tilt up to 40 degrees, rotate freely and also enables hydraulic tools to be changed from inside the driver's cab. This takes tiltrotators to a whole new level. OQTR is based on Rototilt's proven tiltrotator technology.

Top and bottom OilQuick coupler

An OilQuick coupler both above and below the tiltrotator enables buckets and other hydraulic attachments to be changed very quickly. The right work tool for every job.



Retrofitting a grapple module

The tiltrotator's bottom coupler is prepared for easy retrofitting of a grapple module.

Rapid return on investment

The OQTR PRO increases your excavator's efficiency and productivity. It helps you to work faster and more safely, which improves overall performance with immediate results.

Being able to use the tiltrotator economically and detach it in certain situations not only reduces fuel consumption (approx. €2-4/h) but also maintenance and repair costs. The tiltrotator's service life is thus extended and it can be used on other machines.



Detach the tiltrotator when not required. The right tool whatever the job.

Control systems

ICS

Innovative Control System. In ICS are every function and every component specifically designed to maximize the benefits of your tiltrotator. You can also choose exactly which functions you are requiring in the control system.

- **Auto Calibration**
Auto Calibration makes the system easy to optimize for the best traction and the lowest possible fuel consumption.
- **Automatic troubleshooting**
Automatic troubleshooting and feedback through the built-in sensors, which indicate what is wrong. The system then suggests the possible action.
- **Position sensors and display**
Position sensors and display in the drivers cab offers entirely new possibilities to control the tools.
- **Joystick L8**
Joystick L8 included as standard.
- **Smart features**
Smart features such as the bucket to automatically spread the material evenly and quickly increase your productivity.
- **OQ Lock Support®**
OQLS Safety lock which always gives you confirmation that the attachment is correctly locked.
- **Wheel and Track control**
Wheel and Track control are developed for most machine models.

TLE

Tilt-Lock-Extra. The directional valve which enables switching between the tilt function and an extra hydraulic connection on the tiltrotator. Even the quick coupler on the tiltrotator is operated with this system. The system is designed to be operated with double hydraulic functions from the machine. Where the machine permits, the tilt and rotation functions can be used simultaneously.

REL

Rotation-Extra-Lock. The directional valve which enables switching between the rotation function and an extra hydraulic connection on the tiltrotator. Even the quick coupler on the tiltrotator is operated with this system. The system is designed to be operated with double hydraulic functions from the machine. Where the machine permits, the tilt and rotation functions can be used simultaneously.

OQ LockSupport®

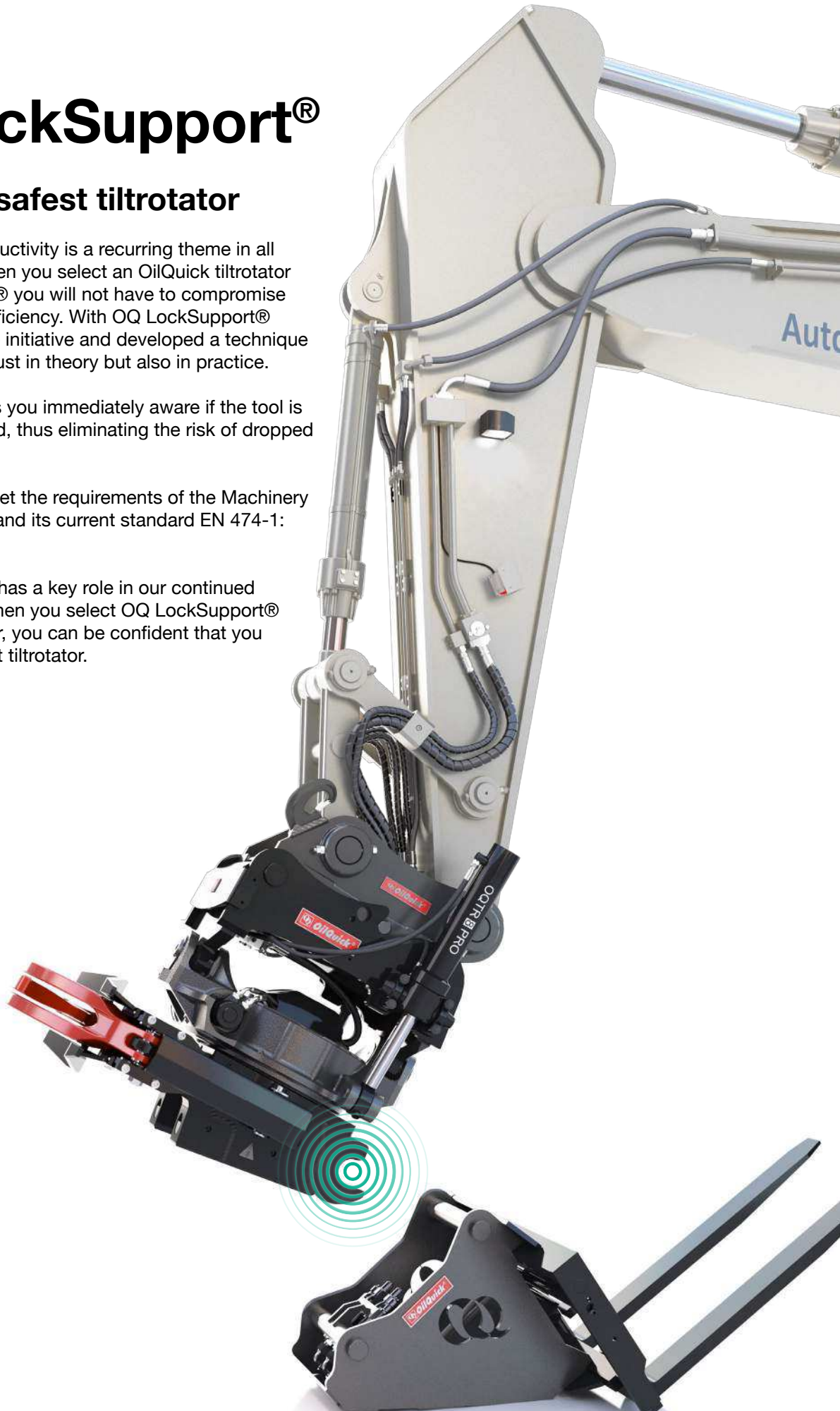
The world's safest tiltrotator

Safety along with productivity is a recurring theme in all tiltrotator models - when you select an OilQuick tiltrotator with OQ LockSupport® you will not have to compromise between safety and efficiency. With OQ LockSupport® OilQuick has taken the initiative and developed a technique that really works, not just in theory but also in practice.

This safety lock makes you immediately aware if the tool is not properly connected, thus eliminating the risk of dropped or oscillating tools.

OQ LockSupport® meet the requirements of the Machinery Directive 2006/42/EC and its current standard EN 474-1: 2006 + A4, 2013.

This safety focus also has a key role in our continued development work. When you select OQ LockSupport® with OilQuick tiltrotator, you can be confident that you have the world's safest tiltrotator.



Models and product data

Our models	OQTR3 Pro	OQTR4 Pro
Min/max excavator weight	6 000-12 000 kg	10 000-16 000 kg
Standard bucket volume	0,50 m ³	0,8 m ³
Max bucket width	1,5 m	1,6 m
Max breakaway force	81 kN	125 kN
Max breakaway torque	85 kNm	163 kNm
Weight	From 290 kg	From 325 kg
Tilt angle	2x40°	2x40°
Rotation	Unlimited	Unlimited
Rotation speed	1 rev/7 sec at 50 L/min	1 rev/7 sec at 60 L/min
Operating pressure	25 MPa	25 MPa
Max return line pressure	2 MPa at 90 L/min	2 MPa at 70 L/min
Max connected flow, HFS	80 L/min	140 L/min
No of lubrication points	10-12	10-12
Torque	Approx. 6 600 Nm at 25 MPa	Approx. 6 400 Nm at 25 MPa
Tilting torque	21 500 / 26 500 Nm	26 500 / 40 500 Nm
Recommended hydr. flow rate	75 L/min	80-95 L/min

Models	OQTR3 Pro	OQTR4 Pro	OQTR 5 Pro	OQTR6 Pro	OQTR8 Pro
Control system					
-OQCS	•	•	•	•	•
-ICS	—	•	•	•	•
-TLE	—	•	•	•	•
Tilt cylinder					
-Single acting cylinders	•	•	•	•	—
-Double acting cylinders	•	•	•	•	•
-Double acting cylinder with load holding valve	•	•	•	•	•
Auto Calibration	—	•	•	•	•
Swivel					
-Electrical swivel	—	•	•	•	•
-HFS – High flow swivel	—	•	•	•	•
ILS Lubrication System	•	•	•	•	•
Wheel and Track control					
-Wheel control	•	•	•	•	—
-Track control	•	•	•	•	•

We reserve the right to change specifications or designs without notice and reservations for any factual errors. Variations in product range and standard equipment may occur from market to market. For more information about current product specifications, local adaptations and special equipment, contact your nearest sales office.

OQTR5 Pro	OQTR6 Pro	OQTR8 Pro
14 000-19 000 kg	15 000-24 000 kg	23 000- 30 000 kg
1,0 m ³	1,1 m ³	1,6 m ³
1,7 m	1,8 m	2,0 m
140 kN	170 kN	200 kN
200 kNm	255 kNm	330 kNm
410 kg	From 480 kg	From 750 kg
2x40°	2x40°	2x40°
Unlimited	Unlimited	Unlimited
1 varv/7 sek vid 65 L/min	1 rev/7 sec at 65 L/min	1 rev/7 sec at 70 L/min
25 MPa	25 MPa	25 MPa
2 MPa vid 90 L/min	2 MPa at 90 L/min	2 MPa at 90 L/min
140 L/min	200 L/min	200 L/min
10-12	10-12	10-12
Ca 8 600 Nm vid 25 MPa	Approx. 6 700 Nm at 25 MPa	Approx. 8 400 Nm at 25 MPa
30 900 / 45 100	44 500 / 56 600 Nm	64 700 Nm at 25 MPa
104 L/min	95-115 L/min	105-125 L/min



OilQuick system solution for tiltrotators

The OilQuick solution consisting of the tiltrotator and two quick couplers enables the operator to tilt and rotate the tiltrotator, and also to temporarily detach the tiltrotator in order to attach a bucket or other hydraulic work tool instead - all within a few seconds and without having to get out of the cab. This takes tiltrotators to the next level.

In addition, OilQuick also provides a complete range of tools and accessories for the tiltrotator. Contact us and we will be happy to supply you with a complete package of quick couplers, tiltrotator, control system, tools and accessories. We will also advise you on selecting the right tools and suitable combinations.



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