ROTOTILT®

40th Anniversary
1986-2026



Rototilt® Tiltrotators

Born to Transform. Built to last.

UK


ROTOMEC

Four decades of careful development

Based in Vindeln, Sweden, family-owned and operated, Rototilt has been developing innovative and sustainable solutions for excavators for 40 years. Our focus on quality, safety and efficiency has set the industry standard for tiltrotators, both in the domestic Swedish market and internationally.

We always try to understand what reality looks like for both you and your excavator. This helps us develop products that make your work easier and contribute to long-term profitability. It is precisely this attitude that has brought us to the position we are in today. Of course, we are proud to have changed the way both operators and contractors around the world perform their work.



The tiltrotator’s flexibility transforms your excavator

The tiltrotator allows you to both tilt the excavator’s work tool and rotate it infinitely, which provides a whole new level of flexibility and precision. Whether it’s a bucket, grapple or any other tool.

The tiltrotator opens up a whole new range of applications for your excavator, allowing you to take on even more types of jobs.



Building and construction

The flexibility of the tiltrotator allows you to get over, under and around different objects, maximizing the excavator’s utility regardless of which tools you are using.

- EXCAVATION FOR ELECTRICITY/WATER AND SEWAGE
- MATERIALS HANDLING
- FINAL TRIMMING



Road work

The tiltrotator allows you to combine maximum precision with a high level of safety in your work. This flexibility allows you to perform more types of jobs with the same excavator.

- SLOPE CREATION/DITCH DIGGING
- PIPE LAYING
- DRAINAGE



Ground work

The millimeter level precision, mobility and feel of the tiltrotator make everything more efficient, from breaking ground to final trimming.

- ROUGH GRADING
- CLEARING
- LANDSCAPING
- STONE PAVING



Demolition

A stone or sorting grapple allows you to prepare for demolition, while a grapple/grapple module facilitates smooth finishing work.

- PREPARATION
- SORTING
- CLEANING



Water and sewage work

Combine different operations even in confined spaces by easily switching between different tools, without unnecessary and time-consuming process of removing and replacing tools.

- TRENCH DIGGING
- PIPE LAYING
- WELL DRILLING
- RESTORATION



Railways

The tiltrotator provides the perfect combination of flexibility and power, with complete freedom of movement, even when the machine is positioned on the embankment.

- PREPARATION
- LAYING/REPLACING SLEEPERS
- RAIL WORK
- CLEARING/SWEEPING



Maintenance

The tiltrotator makes your machine a flexible and efficient multi-tasker, while avoiding dangerous and uncomfortable manual operations.

- SWEEPING
- CLEARING
- MATERIALS HANDLING
- SNOW CLEARING



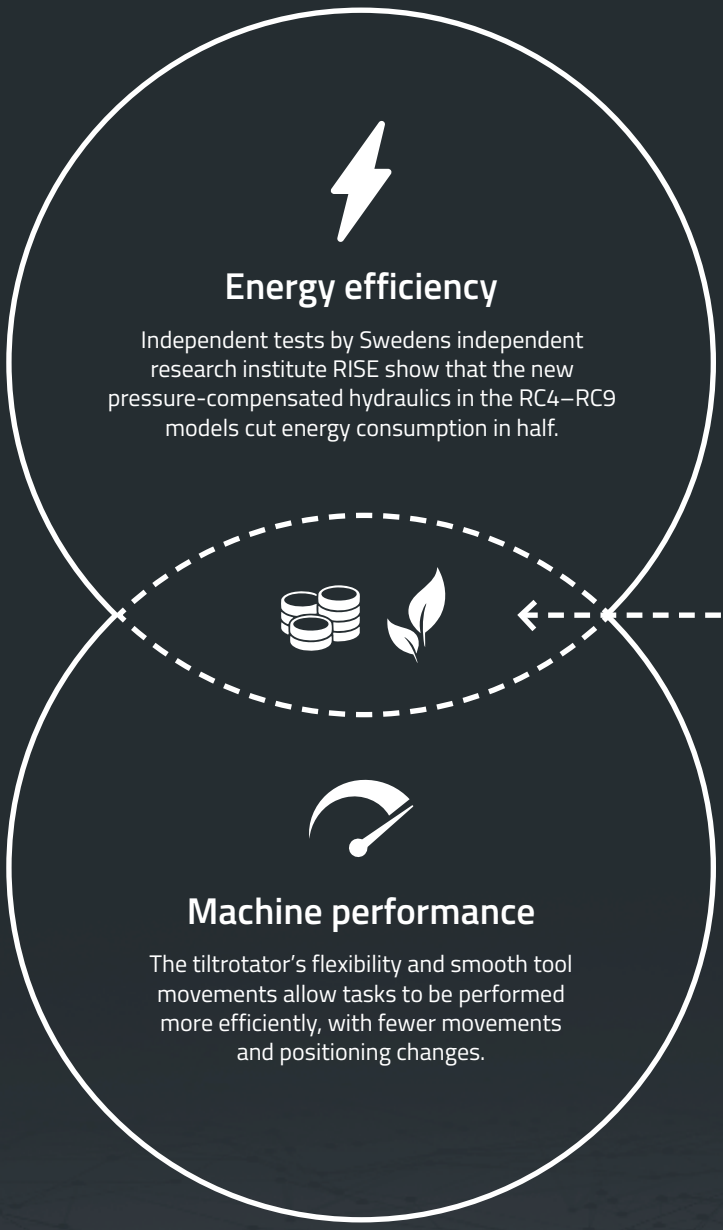
Recycling

The machine's flexibility makes handling scrap and waste easy, while its robustness makes the tiltrotator perfect when combined with powerful grapples.

- SCRAP HANDLING
- WASTE HANDLING
- MATERIALS HANDLING

A revolution in efficiency

The Rototilt® RC™ series marks the start of a revolution in excavator efficiency. Come experience the difference!



Energy efficiency

Independent tests by Swedens independent research institute RISE show that the new pressure-compensated hydraulics in the RC4–RC9 models cut energy consumption in half.

Overall economy

Improved efficiency and reduced energy consumption boost your profitability.

Lower emissions

Lower energy consumption reduces the environmental impact and helps you have a better chance of achieving your climate goals.

Machine performance

The tiltrotator's flexibility and smooth tool movements allow tasks to be performed more efficiently, with fewer movements and positioning changes.







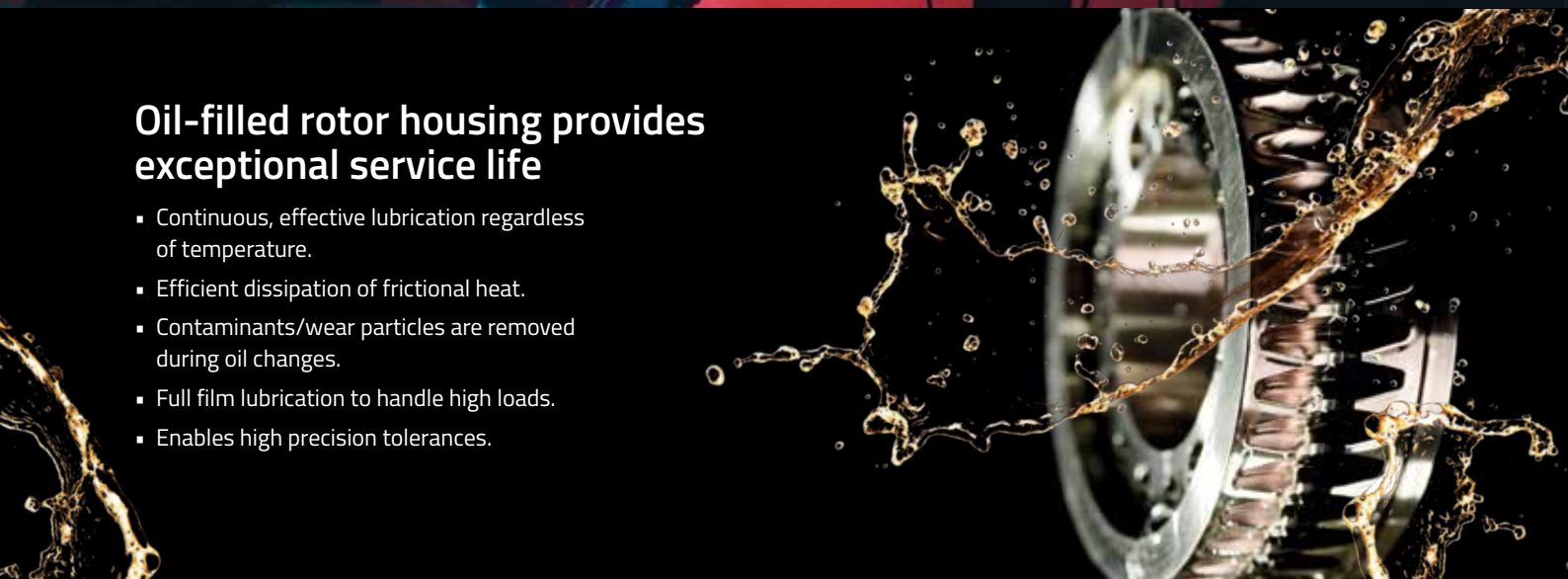


Details that optimize the experience and performance

Our R&D center works continuously on developing and refining every single detail of the tiltrotators. The result is a smoother operating experience, increased energy efficiency and a high level of precision.

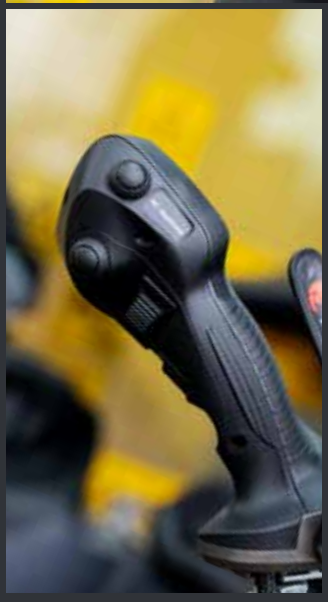
Oil-filled rotor housing provides exceptional service life

- Continuous, effective lubrication regardless of temperature.
- Efficient dissipation of frictional heat.
- Contaminants/wear particles are removed during oil changes.
- Full film lubrication to handle high loads.
- Enables high precision tolerances.











Complete control over every excavation movement

As an excavator operator, you are, in our opinion, a key player in the development of the societies and infrastructure of the future. That's why, with RC™ Joysticks, we decided to put the control in your hands. Literally.

When developing RC™ Joysticks, we have considered your ergonomics and operating experience down to the smallest detail. A lengthy design process and field testing performed by actual drivers have resulted in handles that boast extremely good ergonomic properties for drivers with various hand sizes.



The design process

We have kept different hand sizes in mind in the design work, with the help of modelling, 3D printing and extensive field tests. The premium selection of materials has resulted in the handles having an effective grip and a stylish finish. And that's just the beginning. The patented 360° angle adjustment, the optional FNR (Forward/Neutral/Reverse) and the adjustable palm rests ensure that you get through long working days without unnecessary strain on your hands, wrists, arms and shoulders.

The angle and position of the buttons and rollers have been carefully calculated to ensure comfortable access when working, without having to adjust your grip. The handles are tailored to your machine, to provide the optimum operating experience and ergonomics.











Smoother workflow in the cab

RC™ System is a proportional control system that allows you to harness the tiltrotator's functions in one and the same excavation movement. It is a system that meets the increasing demands for new technology, operability and user-friendliness. Together with the pressure-compensated hydraulics in the RC series, you can use the tiltrotator with greater precision than ever before.

The new touch display is both larger and more user-friendly than its predecessor, with an updated interface and built-in operation of SecureLock™.

The fact that RC™ System is tailored to the machine means that compatibility and functionality are ensured. You also have the opportunity to govern certain machine functions using RC™ Joysticks, such as track or wheel control.

Rapid remote support when you need it

RC™ Connect is part of our investment in making service and support more accessible to our end users. With RC™ System and RC™ Connect, we enable remote support and software updates when you are out in the field. You simply connect the app to the display in your cab to get in touch with support.

Available from Google Play and the App Store.

Download on the App Store

GET IT ON Google Play



RC™ Tiltrotators

High system pressure provides better performance in tilt and torque operations and more clamping force when using the grapple.

Rotor housing cast in one piece. Smart design makes the rotor body strong and lightweight, where the thickness of the parts is optimized based on the load.

Strong screw joint holds the rotor body and quick coupler in place.

SecureLock™ reduces the risk of swinging or dropped tools.

Optimal flexibility. 360° infinite rotation and 40° tilt angle.



Direct attachment to the excavator arm for reduced weight, increased digging power and lower overall cost.

Robust cylinders with load holding. Double-acting tilt cylinders with built-in load-holding valves for maximum tilting force and safety.

Powerful worm gear and large bearing surfaces effectively absorb and distribute excavation forces with smooth operations and built-in lubrication channels.

Robust and long service life thanks to durable, well-dimensioned pins, shafts and bushings.

Smart features as pulse function to spread material evenly from your bucket. Integrate with your excavation system to work smarter.

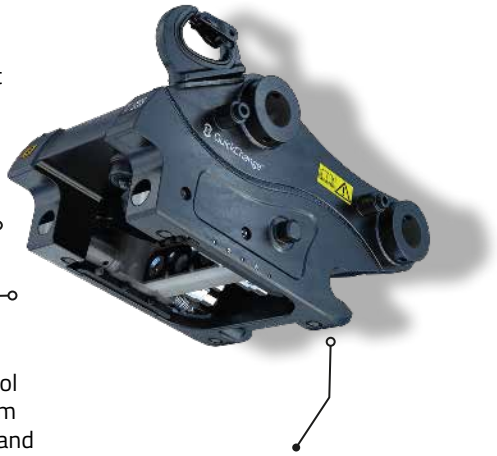
Outlet for extra functions and to easily connect hydraulic tools such as grapples or sweeper rollers.

Rototilt QuickChange™ in brief

We haven't left anything to chance. On point after point this fully automatic quick coupler system offers benefits that makes your job easier and more efficient. A complete solution that gives you safe, sustainable profitability – this is Rototilt® all the way.

... FOR MACHINE COUPLERS

A powerful combination of attachment on the market offers the same combination of durability, optimized excavation geometry and safety. With Rototilt QuickChange™ you can handle your machine coupler – and the other parts of the system – automatically from the cab. The risk of swinging or dropped tools is minimised thanks to the award-winning SecureLock™ system. The heavy-duty locking construction gives you a machine coupler free of play, with few and well-protected components.



Low pressure drops at high hydraulic flows.

Automatic hydraulic tool changes controlled from the cab save you time and improve safety.

Shell of quenched and tempered cast steel with large contact surfaces to prevent wear and slack.



Heavy-duty design optimized for use in demolition jobs.

Mounted on your tools for compatibility with Open-S.

Optimal balance thanks to powerful yet lightweight couplers – perfect for heavy demolition tools.

... FOR HYDRAULIC TOOLS

Rototilt QuickChange™ enables automatic hydraulic tool changes, saving time and increasing safety. With our attachment frames, we can ensure that both hydraulic and mechanical tools will work as intended on your machine.

... FOR TILTROTATORS

Rototilt's tiltrotator is packed with technological innovations that transform your excavator into a smart tool carrier. It helps you attain better results and gives you the capability to take on a wider range of jobs. When you choose Rototilt, you get a system that really works – from machine coupler to tools. Rototilt QuickChange™ adds yet another dimension of benefits with its time-saving efficiency and the ability to quickly connect and disconnect your tiltrotator as needed.

QuickChange

Cutting-edge technology down to the smallest detail

1 A specially developed and durable nose seal aims to provide a long service life and to increase service life and minimise the risk of leakage. Nose seals are easily replaced without special tools.

2 Well thought-out designs for covers and seals protect the couplings against dirt and contaminants.

3 Robust integration of hydraulic couplings.

4 Strong and stable attachment frame tools ensures precision when connecting the hydraulic couplings to the tiltrotator and machine coupler.

5 With Rototilt's new attachment frame tools, you can connect both our own and other Open-S compliant tools to your tiltrotator and machine coupler.

6 Encapsulated springs in the hydraulic coupling minimize the risk of contamination of the machine's hydraulic system in the event of spring fractures.

7 Smart safety features on machine couplers and quick couplers secure tools even if pressure is lost:

- Spring-loaded locking cylinder
- Flat contact surface on locking pistons
- Constant locking pressure in the locking cylinder is ensured by a check valve

8 An entirely new design of the hydraulic couplers provides high flow through the machine coupler. Perfect for tools with requirements for high flow and low pressure drop.

9 The security of always having correctly coupled tools with SecureLock™ safety lock as standard.



Technology-driven efficiency

Rototilt QuickChange™ is packed with new technical solutions – many of them patent pending – that give you tangible benefits. Time-saving automation, optimized digging geometry and award-winning safety solution.

OPEN S

Open-S is the open standard for fully automatic quick couplers for excavators. This gives drivers and contractors the freedom to combine machine couplers and tools from manufacturers that comply with the standard.

Which tiltrotator is best for you and your machine?

All tiltrotators in the RC™ series are developed to maximize the operating experience, energy efficiency, flexibility and performance, both on the jobsite and financially.

The models in this series have different properties that make them suitable for excavators from the very smallest, weighing 1.5 metric tons, all the way to the largest, weighing 43 metric tons.



RC|1

Machine weight, min–max
1,500–3,500 kg

Bucket width, max
1.0 meter

Rototilt's smallest tiltrotator for mini excavators and small machines weighing between 1.5–3.5 metric tons. The RC1 has a cast rotor housing and is compatible with the RC™ System. In addition, both the ILS central lubrication system and the SecureLock™ safety lock are included as standard.



RC|2

Machine weight, min–max
3,000–6,500 kg

Bucket width, max
1.2 meters

Designed for excavators weighing between 3–6.5 metric tons The design is based on the same concept as our larger models with an integrated swivel. This means less hose routing and an increased flow capacity. Despite its low weight, the RC2 is a powerful alternative with a high breakout torque and high flow capacity for using hydraulic tools under the tiltrotator.



RC|3

Machine weight, min–max
6,000–12,000 kg

Bucket width, max
1.5 meters

Rototilt® RC3 has been developed for compact excavators weighing between 6–12 metric tons. Despite its low weight, the RC3 can withstand a breakout torque of up to 85 kNm and a working pressure of up to 25 MPa. Like the other tiltrotators in the compact segment, it makes working in confined spaces easier, and offers a high working capacity even for smaller excavators. The SecureLock™ safety lock is always included as standard.



RC|4

Machine weight, min–max
10,000–16,000 kg

Bucket width, max
1.6 meters

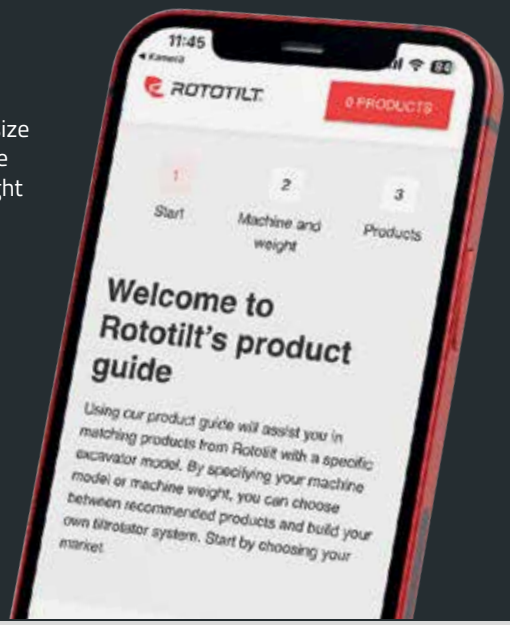
The RC4 is the tiltrotator for excavators weighing between 10–16 metric tons. It is built to easily handle the harsh environments and stresses it will be exposed to in your daily work. Despite its low weight and compact format, the RC4 can handle breakout torques of up to 163 kNm. With pressure-compensated hydraulics, you can use the tiltrotator's functions independently of each other for optimum precision. When combined with the RC™ System, energy efficiency is also maximized, and you can control all of the functions in the same excavation movement.

How to choose a tiltrotator

There are a few key parameters for choosing a tiltrotator. Above all, it depends on the size of your excavator and the type of job you are using it for. To make your choice easier, we have developed a product guide to help you choose both the right tiltrotator and the right accessory products.

Use the QR code to visit the product guide.

rototilt.com/en/productguiden





RC|5

Machine weight, min–max
14,000–19,000 kg

Bucket width, max
1.7 meters

The tiltrotator for excavators weighing between 14–19 metric tons and is designed to handle breakout torques of up to 200 kNm. The RC5 is a powerhouse for medium-sized excavators that allows you to take on more jobs as well as more profitable ones. Pressure-compensated hydraulics allow you to use the tiltrotator's functions independently for optimum precision. When combined with the RC™ System, energy efficiency is also maximized, and you can control all of the functions in the same excavation movement.



RC|6

Machine weight, min–max
15,000–24,000 kg

Bucket width, max
1.8 meters

The RC6 is designed for excavators weighing between 15–24 metric tons. It is a durable tiltrotator which, just like our other models, is designed to cope with harsh conditions over a prolonged period of use, and can handle breakout torques of up to 255 kNm. With pressure-compensated hydraulics, you can use the tiltrotator's functions independently of each other for optimum precision. When combined with the RC™ System, energy efficiency is also maximized, and you can control all of the functions in the same excavation movement.



RC|8

Machine weight, min–max
23,000–32,000 kg

Bucket width, max
2.0 meters

RC8 is optimized for excavators weighing between 23–32 metric tons. Able to handle breakout torques of up to 330 kNm, it is the perfect tiltrotator for heavier operations such as ground work and road work. With pressure-compensated hydraulics, you can use the tiltrotator's functions independently of each other for optimum precision. When combined with the RC™ System, energy efficiency is also maximized, and you can control all of the functions in the same excavation movement.



RC|9

Machine weight, min–max
32,000–43,000 kg

Bucket width, max
2.4 meters

Our largest tiltrotator is optimized for large excavators weighing between 32–43 metric tons. The RC9 also transforms the largest machines into powerful and flexible tool carriers, allowing you to take on even more tasks. It can handle an impressive breakout torque force of 500 kNm and has hydraulics that are entirely newly developed for those really high flows. With its powerful worm gear, it can withstand high loads and provide maximum torque and extra hydraulics.

Optimized performance for high-flow work tools

Rototilt's RC™ series gives you precision and control even when using tools with high flow capacity requirements. You can choose from three hydraulic alternatives, all with the option to use a grapple module.*



Dual extra functions

Flow capacity up to 100 l/min (on one hydraulic circuit).

High-flow

For hydraulic tools requiring higher flow rates up to 200 l/min (on one hydraulic circuit).

Separate high-flow

Provides the option to select a separate high-flow of up to 250 l/min (requires separate hydraulic circuit).

**Only applicable under certain conditions for RC4-RC8 with S or QC couplers*



Read more at:
rototilt.com/tiltrotators

Open–S – the open standard for fully automatic quick couplers
Read more at **www.opens.org**

	RC1	RC2	RC3	RC4	RC5	RC6	RC8	RC9
Machine weight, min–max	1 500 – 3 500 kg	3 000 – 6 500 kg	6 000 – 12 000 kg	10 000 – 16 000 kg	14 000 – 19 000 kg	15 000 – 24 000 kg	23 000 – 32 000 kg	32 000 – 43 000 kg
Bucket width, max	1.0 m	1.2 m	1.5 m	1.6 m	1.7 m	1.8 m	2.0 m	2.4 m
Breakout force, max	35 kN	50 kN	81 kN	125 kN	140 kN	170 kN	200 kN	280 kN
Breakout torque, max	25 kNm	43 kNm	85 kNm	163 kNm	200 kNm	255 kNm	330 kNm	500 kNm
Weight, from	95 kg[1]	159 kg[1]	290 kg[1]	480 kg[1]	595 kg[1]	725 kg[1]	840 kg[1]	1,480 kg[1]
Tilt angle	2 x 40°	2 x 40°	2 x 40°	2 x 40°	2 x 40°	2 x 40°	2 x 40°	2 x 40°
Rotation speed and flow requirements	1 rotation / 7 sec at 15 l/min	1 rotation / 7 sec at 30 l/min	1 rotation / 7 sec at 50 l/min	1 rotation / 7 sec at 60 l/min	1 rotation / 7 sec at 72 l/min	1 rotation / 7 sec at 72 l/min	1 rotation / 8 sec at 129 l/min	1 rotation / 8 sec at 126 l/min
Working pressure	21 MPa	25 MPa	25 MPa	25 MPa	25 MPa	25 MPa	25 MPa	35 MPa
Torque, approx.	1,700 Nm at 21 MPa	3,900 Nm at 25 MPa	7,600 Nm at 25 MPa	7,600 Nm at 25 MPa	9,600 Nm at 25 MPa	9,600 Nm at 25 MPa	11,900 Nm at 25 MPa	19,100 Nm at 25 MPa
Tilting torque	5,800 Nm	14,400 Nm	26,500 Nm	38,600 Nm	56,600 Nm	56,600 Nm	64,700 Nm	90,000 Nm
Flow requirement, tilt function	6 l/min	12 l/min	23 l/min	33 l/min	49 l/min	49 l/min	55 l/min	80 l/min
Recommended flow requirement[2]	21 l/min	42 l/min	69 l/min	91 l/min	121 l/min	121 l/min	134 l/min	206 l/min
Upper attachment	Direct, Multi, S30-180, S40	Direct, Multi, S40, S45, S50	Direct, Multi, S45, QC45, S50	Direct, Multi, S45, QC45, S50, S60, QC60	Direct, Multi, S60, QC60	Direct, Multi, S70, QC70	Direct, Multi, S70, QC70, S80, QC80	S80, QC80
Quick Coupler	S30-180, S40	S40, S45, QC45, S50	S45, QC45, S50	S45, QC45, S50, S60, QC60, PG60, PG65, PG70	S60, QC60, PG65, PG70	S70, QC70, PG70, PG80	S70, QC70, S80, QC80, PG80, PG90	S80, QC80
Grapple module	RG400	RG400, RG600, RG600, RG600	RG600, RG600, RG600, RG600, RG600, RG600	RG600, RG600, RG600, RG800, RG800, RG800, RG800, RG850	RG800, RG800, RG850, RG800	RG850, RG850, RG1050, RG1050, RG850, RG850	RG900, RG900, RG1050, RG1050, RG1050, RG1050	RG1050, RG1050

[1]The weight depends on the type of attachment frame, quick coupler and the choice of control system.
[2]Rotation and tilt function

Unleash the power of the Rototilt system

At Rototilt, we have developed a product line that extends all the way from the control system, to the excavator arm, to the work tool you use. All to help you realize the full potential of your tiltrotator. We call it the Rototilt system.

Control system

The RC™ System allows you to use the tiltrotator's functions in the same excavation movement. Together with the RC™ series pressure-compensated hydraulics, the tiltrotator provides maximum precision. The control system has a 4.3-inch touch display, with a user-friendly interface and auto-calibration for quick installation. In addition, the RC™ Connect app allows you to update the control system software, troubleshoot problems and get quick, remote support when you are in the field.



RC™ Joysticks

With their award-winning design, RC™ Joysticks focus on your operating experience, both in terms of ergonomic features as well as personal customizations. The patented 360° angle adjustment and adjustable palm rests ensure that you get through long working days without unnecessary strain on the body.



Tools

We have a wide range of powerful work tools that are designed to maximize your productivity at the jobsite. Because they are optimized for our tiltrotators and machine couplers, you always get a work tool with the right dimensions for your machine and the right strength for your job.

QuickChange™

With our hydraulic quick coupler, tool changes only take a few seconds since there is no need to leave the excavator cab or connect any hoses. QuickChange™ also has a pressure-release function that guarantees the non-pressurized connection and disconnection of work tools.

SecureLock™

This safety lock provides you with reliable monitoring and eliminates the risk of tools swinging or being dropped. This solution combines hydraulics, mechanics and sensors with clear, audible signals and indicators on the display.

Machine couplers

Rototilt machine couplers provide a perfect combination of wear resistance, optimized excavation geometry and safety. Since each excavator has its own optimized excavation geometry, a customized machine coupler is designed to maintain this geometry.



OPEN S

Open-S – the open standard for fully automatic quick couplers
Read more at **www.opens.org**

Service and support

For us at Rototilt, service and support are crucial since we know how important the excavator's uptime is for your profitability. That's why you should always be able to rely on your tiltrotator to deliver. Every day, year after year.

But if something does happen, you can rest assured that we always have a two-year warranty on our tiltrotators and machine couplers. In addition, we are close at hand with fast service, technical support and spare parts. Through our global network of dealers and service providers, we make sure you get the best possible help – quickly and easily.

Our partners are experts in Rototilt products, and they are ready to assist you with everything from technical questions to maintenance and repairs. For dealers, we have a digital training package for sales, service and installation, both at basic and advanced level, which is unique in the industry.

Need help? Find your nearest dealer or service center at rototilt.com.

ROTOTILT UK & IRELAND
Rototilt Ltd
243 Europa Boulevard
Warrington
WA5 7TN
+44(0)800 772 3355
Info.uk@rototilt.com
rototilt.com

HEAD OFFICE
Rototilt Group AB
Allan Jonssons väg 10
Box 56, SE-922 21 Vindeln SWEDEN
+46 933 232 00
info@rototilt.com
rototilt.se

RC Tiltrotators

FIND YOUR NEAREST DEALER

Rototilt® transforms excavators into efficient tool carriers. We develop machine couplers, tiltrotators, control systems, work tools and technical solutions that enable excavator operators the world over to work with higher levels of safety, efficiency, precision and better results. Rototilt's head office and main production facility are located in Vindeln, Sweden, where we have our origins, although we also have separate companies established in markets all over the world.

We reserve the right to alter specifications or designs without prior notice, and make reservations for any factual errors. Variations in product ranges and equipment standards may occur from market to market. For more information regarding current product specifications, local adaptations and special equipment, please contact your nearest sales office.

UK03/2026