

The 360° shift

Rototilt transforms your machine into a powerful and flexible tool carrier.
Maximises productivity and safety.

➤ Rototilt® makes it possible

Thousands of contractors all over the world have already discovered the benefits of Rototilt - the tiltrotator that turns your excavator into a tool carrier.

Rototilt allows you to take on more types of jobs and ensure that the assignment is completed quicker. Machine movements are minimised, your excavator becomes more versatile and can handle more of the task requirements, with fewer groundsmen. Read on for further examples of how Rototilt can assist you.

We also know from experience that efficiency must go hand-in-hand with safety and reliability. The combination of very robust construction and optimised weight as well as an oil-filled rotor body (which provides lubrication and minimal wear) gives Rototilt a very long lifespan. In addition, costs of repairs, maintenance and downtime are minimised.

Quite simply, you get more done with Rototilt. Year after year.

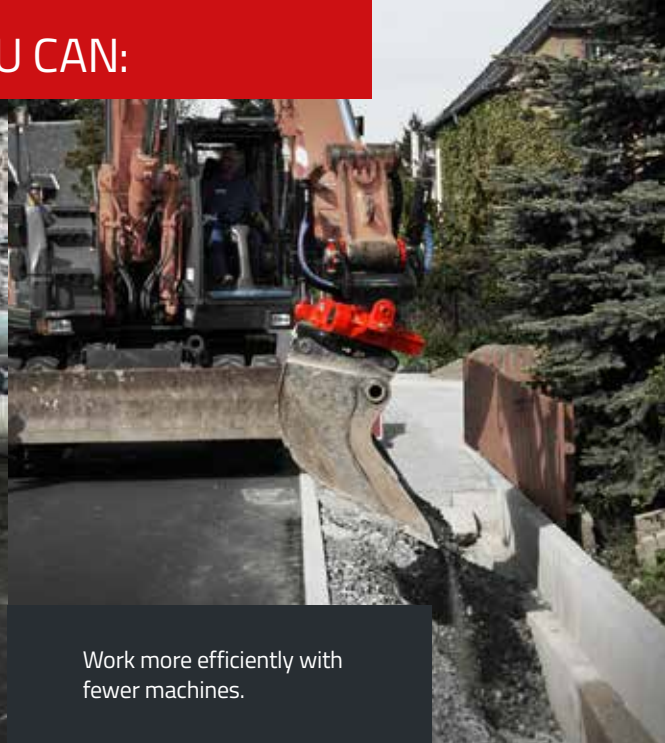
- INCREASE THE USE OF YOUR MACHINE
- WORK QUICKLY AND SAFELY
- MINIMISE THE NUMBER OF MAN HOURS



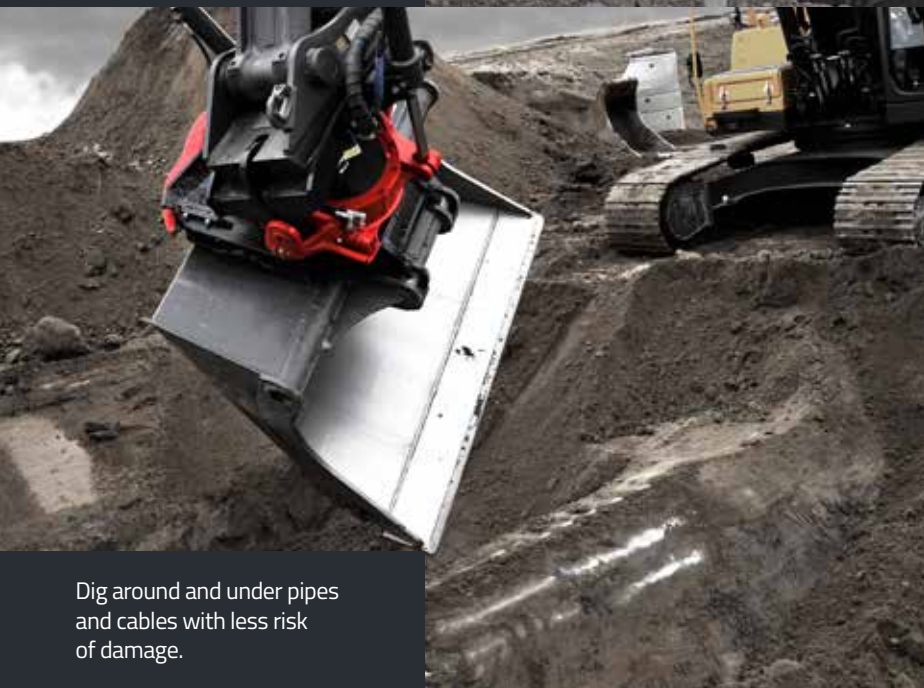
WITH ROTOTILT YOU CAN:



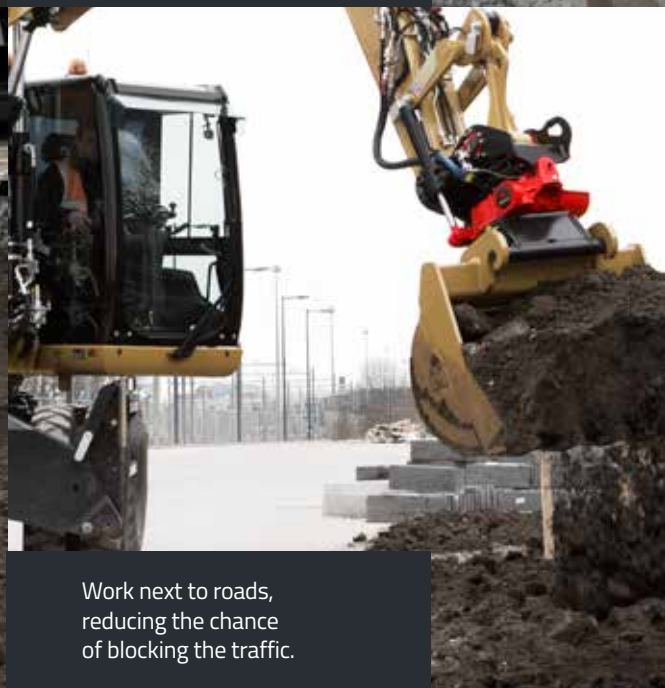
Dig, lay pipes and backfill in every direction without moving the machine.



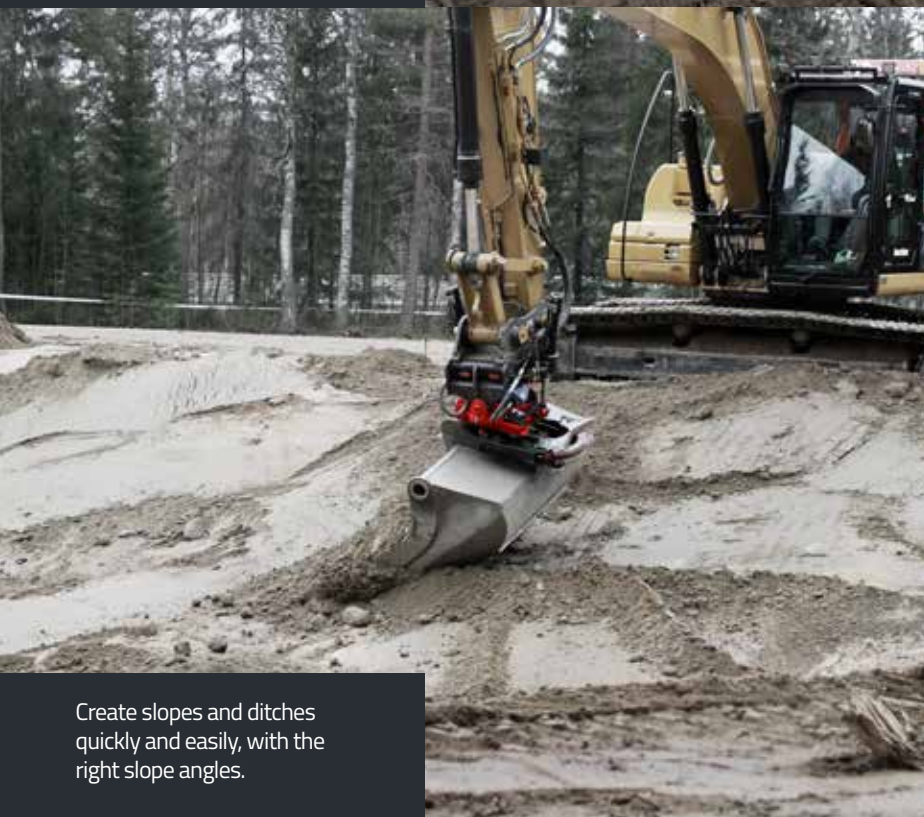
Work more efficiently with fewer machines.



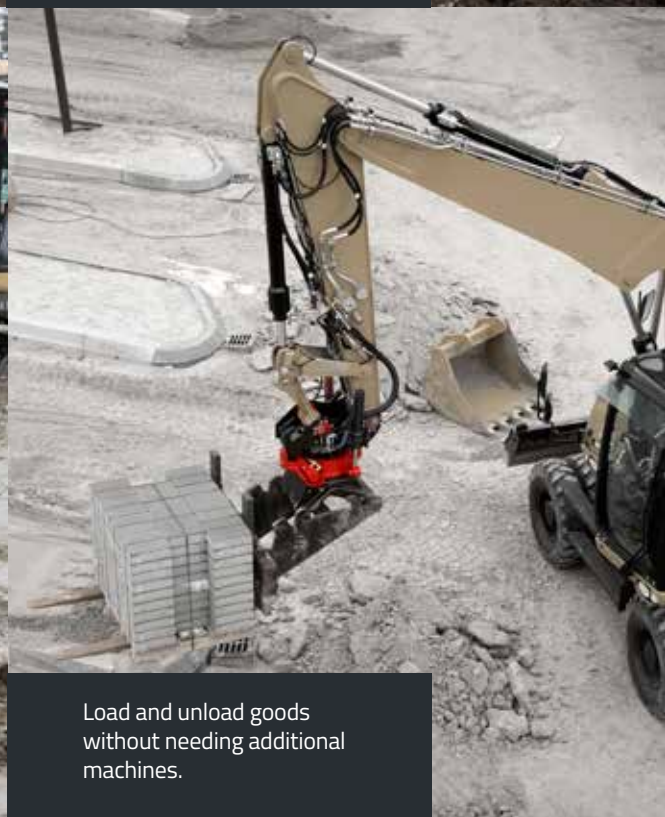
Dig around and under pipes and cables with less risk of damage.



Work next to roads, reducing the chance of blocking the traffic.



Create slopes and ditches quickly and easily, with the right slope angles.



Load and unload goods without needing additional machines.

> Unique innovations for safety and productivity

Rototilt is the world's safest tiltrotator. Every part and every function is designed to maximise productivity and operational safety. This means you can focus on the job knowing that you are in safe hands.

Since assignments and needs vary, we also know the importance of providing solutions that allow you as a customer to adapt the excavator according to your working tasks. An important part of this choice is the technical advantages of Rototilt:



CONTROL SYSTEM – FREEDOM TO CHOOSE AND SAFETY

ICS (Innovative Control System) is the market's most modern and most user-friendly proportional control system with, among other things, autocalibration, position sensor, display in the driver's cab, automatic distribution function and automated troubleshooting and feedback.

With Rototilt® you choose the level of your control system according to your needs. You can also be confident that our ICS control system meets the current safety requirements as well as the forthcoming ISO standard 13031. Choose from a variety of high quality and ergonomic joysticks.



> Benefits built into the system

Since we develop solutions in close cooperation with customers, dealers and machine manufacturers you can be confident that the machine works. Rototilt is a strong link in the important productivity chain consisting of **the right machine, the right control system, the right tiltrotator and the right worktool.**



SECURELOCK™ – A WHOLE NEW LEVEL OF SAFETY

A quick coupler which always provides you with confirmation that the tool is correctly attached. SecureLock™ combines hydraulic, mechanical and sensor-based functions with clear audible signals, an LED light and constant monitoring. It even provides warnings if components are worn and need to be looked at.



RPS – EXACT POSITIONING

The RPS (Rototilt Positioning System) is connected to the machine's excavator system and provides the operator with full control over the tool's precise position. This function streamlines assignments such as precision embankments, excavation in confined spaces or moving major amounts of soil. Furthermore, RPS results in less wear on the bucket and substantial savings in terms of fuel and time. RPS requires the ICS control system with rotation sensor.



AUTOCALIBRATION AND ROTATION SENSOR – GREATER EFFICIENCY

With the tilt and rotation sensors you have the ability to maintain the angle throughout the entire excavation movement. With the push of a button, you can also automatically return to the specified home position. The autocalibration simplifies installation on the excavator. Autocalibration also makes the system easy to optimise for best handling with the lowest possible fuel consumption.



LHV – SAFER LOAD HANDLING

Tilt cylinders fitted with Rototilt's load holding valve ensure that the load remains securely in position even if the hydraulic system loses pressure due to something like a hose rupture. This not only provides both a safe working situation around the machine but also eliminates damage to the load itself.



HFS – FOR HIGH-FLOW TOOLS

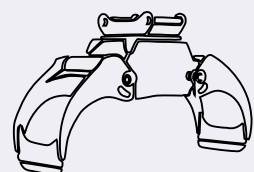
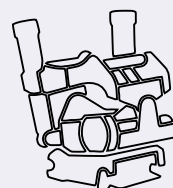
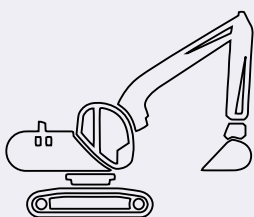
Rototilt's high-flow swivel provides plenty of power (up to 200 liters/min at 300 bar) for sweeper rollers, compactors, sorting and multi-grapples, etc. – high-flow hydraulic tools. The swivel is also fitted directly to the quick coupler in order to minimise hose routing and leaks. The result is a robust solution and the market's best flow capacity, minimal drop in pressure, increased service life and better fuel economy.



ILS – PROVIDES SMARTER CENTRAL LUBRICATION

The Innovative Lubrication System permits central lubrication of the tiltrotator. ILS can easily be coupled to your excavator's lubrication system and quickly and easily distributes just the right amount of grease.

*Read more about our
breakthrough technologies
at rototilt.com*



> My Rototilt.



**"SAFETY IS MOST
IMPORTANT TO ME"**



Peter Wiksten, Sweden
Wikstens Entreprenad
Machine: Volvo 140 DLM
Rototilt: A40, with
SecureLock™

I have used my Rototilt for more than 500 hours now and I am very satisfied. I particularly appreciate the safety features that come with ICS and SecureLock™. The safety lock combines mechanical and electronic functions with clear audible signals, so I know that I will get a warning if the tool is not correctly attached. We have heard about accidents in the construction industry because of a dropped or swinging tool, but I feel safe with this solution.

I also think that safety solutions must be easy to use. Otherwise there is a risk that the operator thinks that it is too troublesome, or takes too long and therefore does not use it. With Rototilt there are just two button pushes and it is ready.



**"I AM ABLE TO WORK
MUCH FASTER"**



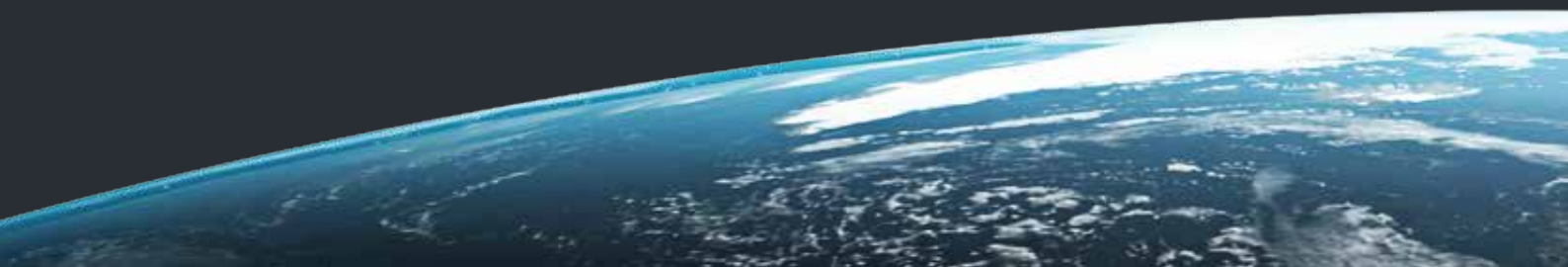
Dwayne Fisher, USA
Fisher Excavator &
Grading Inc
Machine: Kobelco SK140
Rototilt: RT40B

I have had a Rototilt for eight years, and it has resulted in my company growing since I have been able to take on jobs that would not normally be possible to do with conventional equipment. With Rototilt I also work much faster, it is just "plug and play".

Rototilt also drastically cuts costs in terms of man hours, since I can make the most of the excavator and do not need any manual workforce.

It is also good news when it comes to restoration work. When you work in someone's backyard you would prefer not to need to move around so much and ruin their lawn. With Rototilt you can work with the machine from one and the same place, reaching around trees and so on. This flexibility also means that wear and tear of the machine's chassis is halved.

Seriously, there shouldn't be a single machine without Rototilt...





**"WITHOUT A TILTROTATOR
YOU DON'T GET THE JOB"**



Johan Rognerud, Norway
Johan Rognerud AS
Machines: 40 CAT machines.
Rototilt: Several models

Rototilt is an obvious part of the equipment for us. It is difficult to say how much quicker and more efficiently we work with Rototilt, but it makes the job much easier.

Rototilt has existed on the Nordic market for nearly 30 years and the number of users has steadily increased all the time. Today our customers require that we have a tiltrotator on the construction machine to be even considered at all.

We ourselves have had Rototilt on the machines for 18 years and the company has had a very positive development. Today we have 140 employees with nearly 40 excavators and a large number of other construction machines. We take on jobs such as road construction, airport runways, preparation and completion of industrial areas and residential areas throughout the whole of Norway and in Greenland. And I have to say – using Rototilt simplifies and makes the job more efficient.



**"ROTOTILT IS A
REVOLUTION!"**



Georges Coupiac, France
Machine: Liebherr model 910
Rototilt: RT40B

For my company Rototilt has more or less involved a revolution. I can work much more efficiently and it has meant that I have had more assignments from my customers.

I admit that I was initially doubtful, especially how it would feel to work with Rototilt and buckets. But I decided to trust my dealer and try it – and now I can not imagine working without it. It has worked perfectly! It doesn't matter what type of job it is – from excavation to pipe culverts and restoration work – it makes an enormous difference. I can justifiably say to my client that I can help him to save both time and money!

> Leadership by choice – Your choice.

Rototilt is the world's leading manufacturer of tiltrotators, control systems and tools. With a competence and production center in Vindeln – in the heart of Sweden – we offer a unique combination of technical expertise, quality awareness, capacity and ability to understand the client's business. It means that we can offer solutions that maximise the contractor's productivity and minimise the total ownership costs.

We also have a global network of dealers, distributors, service and support. This allows contractors who are now discovering the advantages of Rototilt to have access to the same knowledge bank and the same secure support as their Nordic colleagues.

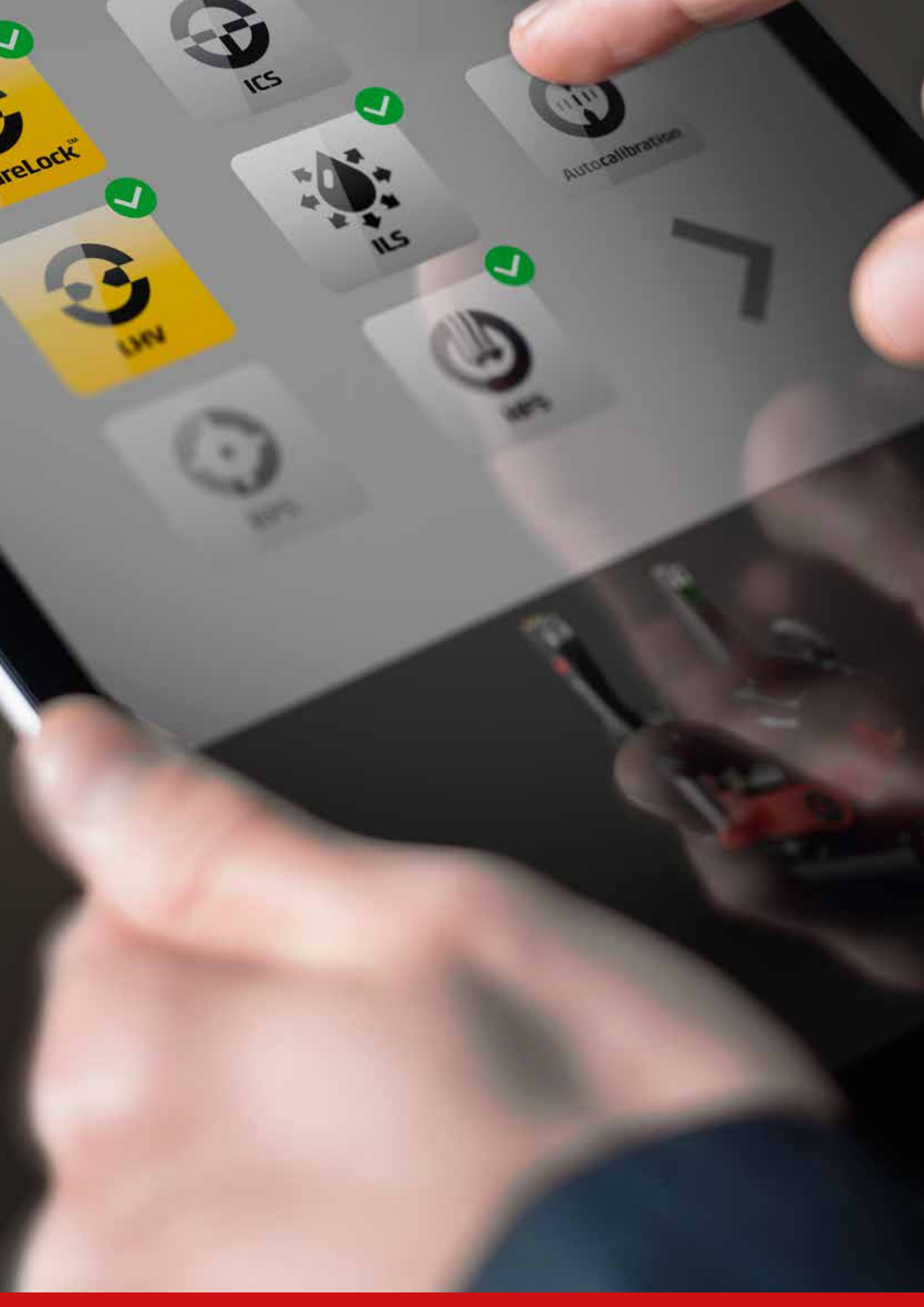
Our continuous development is a conscious choice.

We believe in creative contractors who are open to new technology that makes their work simpler, more efficient and safer. Therefore we always want to push the boundaries of what is possible. Find solutions that not only develop our product but the industry as a whole.

An example of this innovative approach is our modular production method. This provides Rototilt – as the only tiltrotator manufacturer in the world – with the ability to customise functionality and equipment to suit your particular needs.

In a few years this will be obvious to all manufacturers. With Rototilt you get this head start today.





> Welcome to the family

No matter which excavator you prefer there is a Rototilt for you. Rototilt has a wide range of tilt-rotators and tools for excavators. From 1.5 to 30 tons. All we need is a minimum of one hydraulic circuit.

Which Rototilt suits you? No matter what you choose you can be sure that it has been developed by the industry's leading technicians, and is the result of our experience of thousands of operating hours all over the world, for three whole decades. No other tiltrotator on the market is as well-tested as Rototilt.

In addition, all Rototilt models are individually tested and weighed before delivery. All functions are checked and assured prior to delivery. In this way you can be confident that you will get what we promise. Every time.



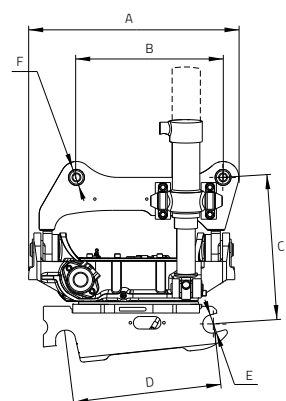
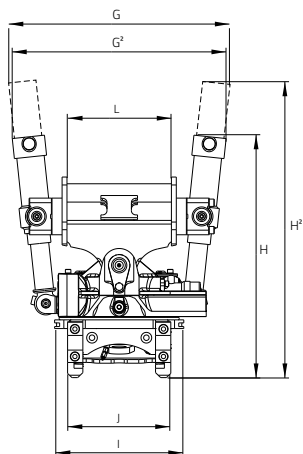


My Rototilt®

*Listen to what your colleagues think
about Rototilt at rototilt.com*



Which Rototilt is right for you?



RT10 / 1.5-3.5 TONS



RT20B / 3-6 TONS

Min/max machine weight	1,500 – 3,500 kg	3,000 – 6,000 kg
Max standard bucket volume	0.12 m³	0.2 m³
Max bucket width	1.0 m	1.2 m
Max breaking force	35 kN	45 kN
Max breaking torque	25 kNm	38 kNm
Weight	from 75 kg*	from 145 kg*
Tilt angle	2 x 40°	2 x 40°
Rotation	unlimited	unlimited
Rotation speed	1 rotation/7 secs at 15 l/min	1 rotation/7 secs at 30 l/min
Working pressure	21 MPa	25 MPa
Max return line pressure	2 MPa at 25 l/min	2 MPa at 40 l/min
Max connected flow and pressure, HFS	–	–
Number of lubrication points	5	5
Turning torque	approx. 1,700 Nm at 21 MPa	approx. 3,900 Nm at 25 MPa
Tilt torque (single acting and double acting)	– / 5,800 Nm	– / 14,400 Nm
Recommended hydraulic flow	20 l/min	40 l/min
Control system	ICS ICS with rotor sensor & autocalibration ICS med SecureLock™, autocalibration & electric swivel	
RPS		
Tilt cylinder		
Single-acting		
Double-acting	●	●
Double-acting with load holding valve	●	●
Autocalibration		
Swivel		
Electric swivel		
HFS - high-flow swivel		
ILS central lubrication	●	●
Wheel and track control		
Wheel control		
Track control	●	●
Measurement, e.g. attachment and quick coupler**	S30-180 – S30-180	S40-S40
Measurement A	412 mm	467 mm
Measurement B	–	300 mm
Measurement C	325 mm	347 mm
Measurement D	–	300 mm
Measurement E	Ø30 mm	Ø40 mm
Measurement F	–	Ø40 mm
Measurement G/G²	–	–
Measurement H/H²	683 mm	760/- mm
Measurement I	176 mm	270 mm
Measurement J	–	198 mm
Measurement L	–	202 mm

● = Optional extras

* The weight is dependent on type of attachment, bucket width, quick coupler and choice of control system.

** For complete measurements with different types of adjustments, see rototilt.com



RT30 / 6-11 TONS



R4 / 10-16 TONS



R6 / 15-24 TONS



R8 / 23-30 TONS

6,000 – 11,000 kg	10,000 – 16,000 kg	15,000 – 24,000 kg	23,000 – 30,000 kg
0.45 m ³	0.8 m ³	1.1 m ³	1.6 m ³
1.5 m	1.6 m	1.8 m	2.0 m
70 kN	125 kN	170 kN	200 kN
70 kNm	163 kNm	255 kNm	330 kNm
from 255 kg*	from 315 kg*	from 460 kg*	from 730 kg*
2 x 40°	2 x 40°	2 x 40°	2 x 40°
unlimited	unlimited	unlimited	unlimited
1 rotation/7 secs at 50 l/min	1 rotation/7 secs at 60 l/min	1 rotation/7 secs at 65 l/min	1 rotation/8 secs at 70 l/min
25 MPa	25 MPa	25 MPa	25 MPa
2 MPa at 55 l/min	2 MPa at 70 l/min	2 MPa at 90 l/min	2 MPa at 90 l/min
–	200 l/min, 300 bar	200 l/min, 300 bar	200 l/min, 300 bar
8	8	8	8
approx. 5,200 Nm at 25 MPa	approx. 6,400 Nm at 25 MPa	approx. 6,700 Nm at 25 MPa	approx. 8,400 Nm at 25 MPa
21,500/26,500 Nm	26,500/40,500 Nm	44,500/56,600 Nm	50,900 Nm at 25 MPa / 64,700 Nm at 25 MPa
65-75 l/min	80-95 l/min	95-115 l/min	105-125 l/min
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•	•	•	•
S50 – S50	S60 – S60	S70 – S70	S70 – S70
595 mm	810 mm	805 mm	920 mm
430 mm	–	600 mm	600 mm
420 mm	505 mm	525 mm	620 mm
430 mm	480 mm	600 mm	600 mm
Ø50 mm	Ø60 mm	Ø70 mm	Ø70 mm
Ø50 mm	–	Ø70 mm	Ø70 mm
635/660 mm	695/705 mm	885/940 mm	940/– mm
695/867 mm	805/975 mm	890/1130 mm	1,230/– mm
268 mm	338 mm	448 mm	448 mm
–	–	–	452 mm
272 mm	–	452 mm	–

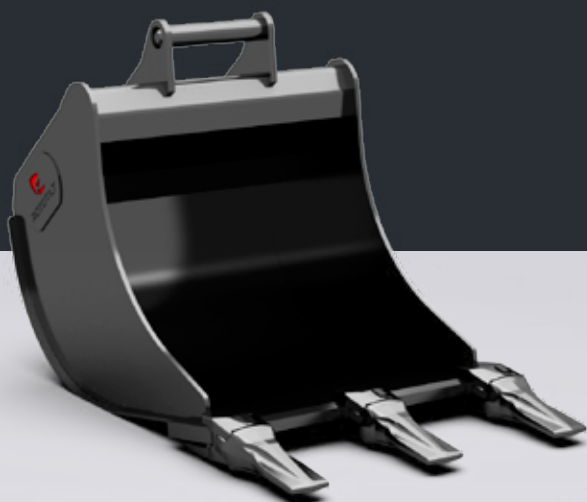
We reserve the right to change specifications or designs without prior notice, and for any factual errors that may occur. Variations in product programs and equipment standards can arise between markets. For more information on current product specifications, local adaptations and special equipment, please contact your nearest sales office.

> Get more jobs done

By complementing your tiltrotator with Rototilt's original worktools you can work even more efficiently and take on more types of jobs.

By offering a whole range of optimised grapple modules, grapples, compactors and buckets, we can guarantee that you will never find yourself trying to work with too weak worktools for your job or too heavy worktools for your machine. All worktools are characterised by the same thoughtful design, durability and safety awareness as our tiltrotators.

No chain is stronger than the weakest link. With Rototilt's original worktools your equipment retains the highest quality all the way...



> Buckets

Our buckets combine weight, excavation geometry and durability in the best way. Rototilt has three complete bucket families - universal buckets, trenching buckets and cable buckets - for machines between 1.5 and 22 tons.



> Grapples

Rototilt's grapples provide a unique combination of efficiency and safety. Clamping forces up to 75 kN, cutter made of high-strength steel and the market's biggest grip width. In addition, maximum safety through a solution where an accumulator and load holding valve are fitted to ensure that the load remains securely in position even if the hydraulic system loses pressure due to something like a hose rupture.



› Rototilt's grapple module

Our grapple module is the contractor's best friend which the vast majority choose as standard (which is easy to remove and can also be refitted). Always to hand when you need to do smaller jobs and yet so flexible it can remain in position the whole time without getting in the way.

› Compactors

Rototilt's compactors handle high counter pressure on the return line, which makes them particularly suitable for using together with your tiltrotator. The machine-mounted compactor also streamlines compression of hard-to-reach surfaces and increases safety in, for example, work on slopes, trenches, ditches and shafts when no-one need to be in the work area.



Rototilt® transforms excavators into multi tool carriers. We do this through the world-leading development of tiltrotators, accessories and systems. The company's head office, product development and production are concentrated in Vindeln in the heart of Sweden. Our customers are all over the world.

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