



## Rototilt® R4

For excavators with a total machine weight of 10-16 metric tons. Created to cope with the extreme strain that a Rototilt® is constantly exposed to on an excavator.

### Properties

#### Powerful cylinder solutions

You can choose between single-acting or double-acting tilt cylinders. Single-acting for as compact a solution as possible or double-acting to maximize power. Double-acting tilt cylinders can also be fitted with load-holding valves for extra safe management of the load.

#### Oil provides the best lubrication

The worm gear will work best if immersed in an oil bath. An oil-filled rotor housing provides maximum lubrication and minimal wear and tear, which equates to a very long service life. Oil is significantly better than grease at extreme temperatures, and provides better and simpler handling when servicing.

#### Stability and strength

A very powerful screw joint holds the housing and worktool in a tight grip.

#### Longer service life

Sturdy, well-dimensioned pins, shafts and bushings make Rototilt® more robust and longer-lasting than any other tiltrotator on the market.

#### Smart control systems

With a Rototilt® you can choose the control system that optimizes your excavator and helps improve performance and handling with enhanced settings options. Your tiltrotator will operate at an optimum level even in the toughest working conditions.

#### High performance

Rototilt® uses a higher system pressure than other makes on the market. This means better function performance - e.g. in the important tilt and torque movement - and more clamping force when using a grapple.

### Powerful worm gear

Large bearing surfaces absorb and distribute the digging force effectively.

### Smart attachment fitting

Direct attachment means lower total cost, lower weight and more digging power. For maximized flexibility, we have developed our own, patented multi-fixing.

### Protected hydraulic motor

The specially-designed cover for the hydraulic motor is integrated into the cast rotor housing and protects against impact damage and supports it underneath.

### Right casting in the right place

A cast rotor housing is both stronger and lighter than welded alternatives. The thickness of the casting is optimized to suit the load on each part.

### Improved safety

All solutions and details are tested and approved to maximize safety and user-friendliness. This includes everything from quality assurance of all associated components, to control systems, and the connection/unlocking of worktools.

### Hydraulic Quick Connection

Enables quick changes between hydraulic worktools. Thanks to our collaboration with our partners, we can offer built-in hydraulic Quick Connection in the quick coupler.

### Individual testing

The tiltrotator you ordered is tested before delivery. All functions are controlled and guaranteed. Every Rototilt® is also weighed individually before it leaves the factory.

### Swivel

Electric swivel (option) provides the opportunity to control valves on worktools connected to Rototilt®. This enables even more advanced worktools to be used.

A high-flow swivel (option) allows the use of worktools with high-flow requirements up to 200 l/min. at 300 bar.

### More worktools

Rototilt® offers a wide range of sort grapples, multi-grapples and Grapple modules. All the range is tailored to each Rototilt® model. The same applies to specially-designed worktools such as universal buckets, special buckets, pallet forks, and asphalt cutters.

Control system	
ICS	✓
ICS with autocalibration	✓
ICS with SecureLock™	✓
PropPlus/Prop	✓
P	✓
TLE	✓
TE	✓

Tilt cylinder	
Single-acting	✓
Double-acting	✓
Double-acting with load-holding valve	✓

Autocalibration	
Autocalibration	✓

Swivel	
Electric swivel	✓
HFS - high-flow swivel	✓

ILS - central lubrication	
ILS - central lubrication	✓

Wheel and track control	
Wheel steering	✓
Track steering	✓

 Specifications**Technical data**

Machine weight	10000 - 16000 kg	Rotation speed (1 turn in)	7 s at 60 l/min
Max standard bucket volume	0.8 m <sup>3</sup>	Working pressure	25 MPa
Max bucket width	1600 mm	Max return pressure	2 MPa at 70 l/min
Max breaking force	125 kN	Recomended hydraulic flow max	80 l/min
Max. breaking torques	163 kNm	Nr of lubrication points	8
Weight (from)	315 kg	Turn torque	6400 Nm at 25 MPa
Tilt angle (2x)	40°	Tilt torque telescopic cylinders	26500 Nm
		Tilt torque double acting cylinders	40500 Nm

Measurement  
specification