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ROTOTILT RT 20

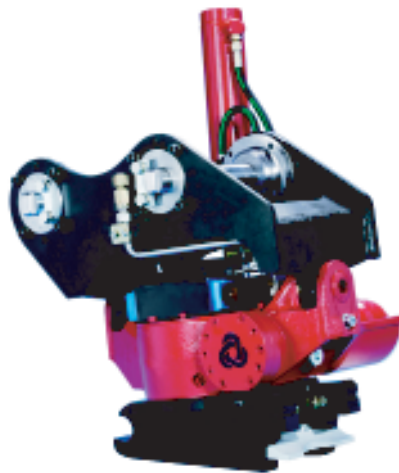
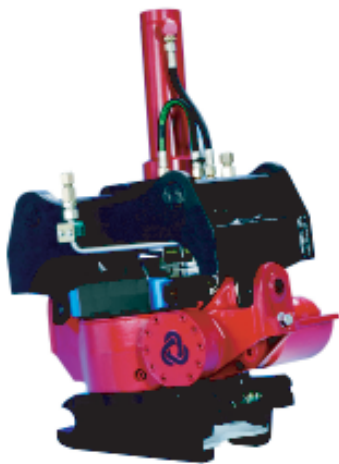


Tilts and rotates in a single movement, which transforms your machine into a versatile tool carrier.

Rototilt is designed for excavators with a machine weight of 3-6 metric tonnes

Rototilt RT 20 is designed to be light, yet still handle the strains the Rototilt is exposed to on an excavator.

RT 20 makes your flexible mini excavator even more useful around the site. Switch easily between tools: different buckets, grapples, pallet forks, etc. Our extensive range of attachments and quick couplers make Rototilt ideal for most machine types available on the market.



- Powerful worm gear unit in oil bath
- Strong and robust slide bearings
- Low weight and low height
- Compact and service friendly
- High tilting force
- High torque
- Optimal control characteristics
- Hardened piston rods
- Hydraulic operated quick coupler for rapid tool exchange

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ROTOTILT RT 20

Unity in modules

Attachment

There are two main mounts for the Rototilt on the machine's arm. Either against the existing quick coupler on the machine or directly mounted using our patented "Multi-attachment". Mounts are available for most machines and attachments on the market.

Control system

The control system includes electronics and hydraulic components to steer rotating, tilting, extra hydraulic functions and the hydraulic quick coupler. There are alternative control systems to satisfy different installations, operating characteristics and operating conditions.

Tilt cylinder

Double-acting (HD) cylinder that gives high tilting torque.

Rotor

The rotor consists of a very powerful worm gear that is carried by a strong and robust sliding bearing. The worm gear offers unlimited rotation in both directions, is self-locking and acts as a brake during excavation. Optimal lubrication is obtained by using a gear that works in oil, which minimises wear and guarantees a long life.

Quick coupler

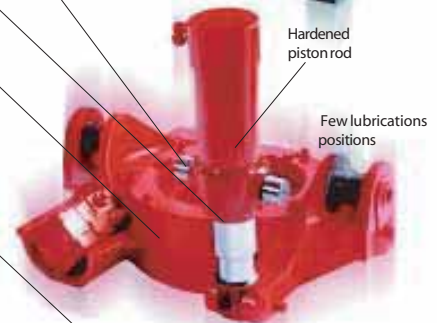
Low height, powerful and secure tool attachment with hydraulic locking function.



Multi-attachment with replaceable bushings



Powerful bearings



Hardened piston rod

Few lubrications positions

Precision cast housing



Outlet for hydraulic tool

Technical data

Min / Max machine weight, kg (lb)	3 000 - 6 000 (6 600 - 13 230)
Maximum standard bucket volume, m ³	0,2
Maximum bucket digging force, kN (lbf)	45 (10 115)
Weight, kg (lb) ¹⁾	130 - 160
Tilting angle	2 x 40°
Tilting torque at 25 MPa, Nm (lb-ft)	14 400 / 10 700 (10 620 / 7 890)
Rotation	unlimited
Rate of rotation (30 l/min)	1 turn / 7 sec
Torque at 25 MPa, Nm (lb-ft)	3 900 (2 875)
Min / Max pressure MPa (psi)	20 / 30 (2 900 / 4 350)
Working pressure MPa (psi)	25 (3 625)
Max. return pressure (30 l/min), MPa (psi)	4 (580)
Min / Max flow, l/min (GPM)	25 / 50 (6,6 / 13,2)
Quantity lubrications positions	5

¹⁾ = The weight depends of the type of fastening, mount and control system.

A combination of various stated limits of the machine like total weight, bucket volume, bucket digging force etc. all together creates the conditions of what size of RT should be choosen. If a machine exceeds any of the stated limits, please consult your supplier in order to investigate the specific case. The type of job/use could sometimes be of decisive importance.