



ROIN_TRM VIDEO

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the TRM in
operation

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TILTROTOR MECHANISM **ROIN_TRM**

A tiltrotor mechanism (TRM) is fitted between the working excavator boom and hoisting equipment. TRM use raises the earthmoving equipment's operating efficiency to a qualitatively new level. The unlimited rotation and tilt of the service equipment provide convenient handling while allowing replacement of the hoisting equipment in less than a minute at any time. ROIN TRM is the professional tool for maximum productivity.

Every feature fully optimized ROIN_TRM

We offer to upgrade your excavator from the hoisting equipment to the control system:

Adapter plate



Tilt cylinders

Slewing support

Quick release mechanism



The TRM's robust design is made to handle a variety of loads with any type of attachment.



All connections ensure safe mounting of high-pressure hoses without loss of working fluid.



The hydraulic system's highly reliable parts extend the equipment's service life.

The tiltrotor mechanism is compatible with any hoisting equipment. The hydraulic system is designed to accommodate pressure and fluid flow differences. At that, the robust design ensures safe and long-term operation thanks to the wiring diagram agreed with the earthmoving equipment manufacturer. Our experts will choose an original hoisting equipment kit depending on your planned operations and the car body's specifications.





OPERABILITY

The machine's specially-designed TRM makes it versatile and able to handle high-complexity jobs in hard-to-reach places..

COST-EFFECTIVENESS

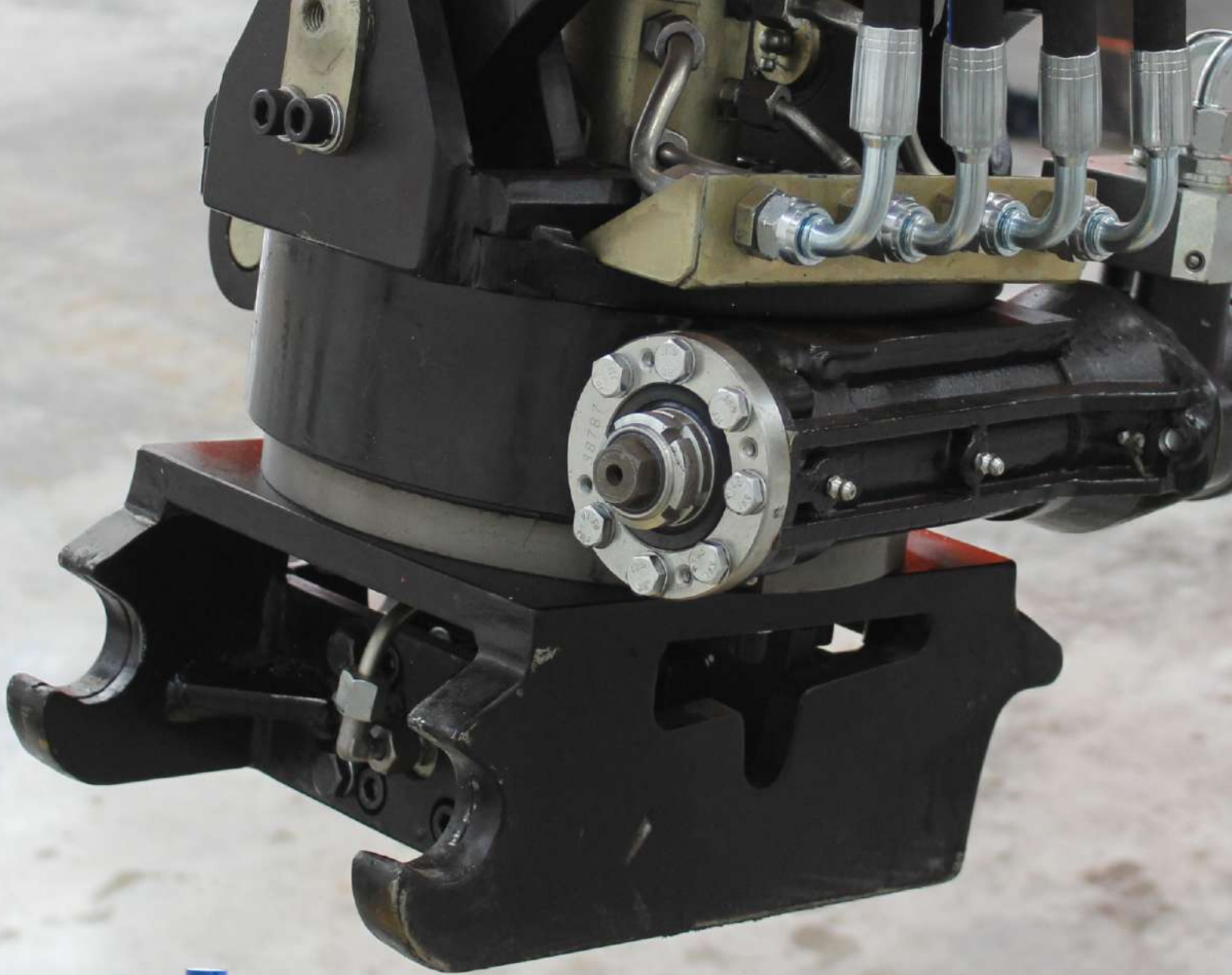
The TRM is suitable for any hoisting equipment, which eliminates the need to keep a large fleet of machines. Improved performance and greater operability increase equipment utilization and mean fewer resources are required for the same amount of work.

SAFETY

The TRM makes the excavator boom more flexible and allows using the service equipment in previously inaccessible places, eliminating the need for the operator's presence in hazardous areas. Parts are changed by reliable mounting with a hydraulic lock.

EFFICIENCY

Connecting new equipment takes less than a minute and can be done without the operator leaving the cockpit, which allows to concentrate on the actual task at hand. We have built additional warehouses and increase our staff every year to provide timely service and spare parts.



005



010



020

Model	Dimensions (BxHxL), mm*	Tilt angle	Weight, kg*	Design oil consumption, L/min	Working oil pressure, MPa	Installation on all excavators weighing, t
TRM-005	505x515x854	2x40°	145	15-40	18-21	3-6
TRM-010	788x715x991	2x40°	340	20-40	18-21	6-14
TRM-020	720x980x850	2x40°	475	40-80	18-21	16-24

*The manufacturer reserves the right to change the weight and overall dimensions slightly depending on the specific model of the customer's boom equipment and the type of hoisting equipment.

Tilt
angle

$\pm 40^\circ$

360°

Unlimited
rotation

Every fifth
TRM in Russia
is a product of
INTEHROS





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