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MAXIMAL FLEXIBILITY AT MAXIMAL BREAKAWAY FORCE

RotoTop® - the rotary drive for every excavator use



SUPERIOR TECHNOLOGY
LOW DESIGN
MORE FLEXIBLE THAN ANY TILT
TOP EFFICIENCY

Reliability and profitability by always having sufficient oil in the attachment tool

Our RotoTop® allows you to realise profitable saving potentials and pays off practically in no time due to its versatility, eventually improving your competitiveness. This is why you should rely on brand quality
Made in Germany!

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YOUR BUCKET ALSO WORKS IN HARD-TO-REACH PLACES - WITHOUT REPOSITIONING

INCREASED MOBILITY FOR ANY EXCAVATOR: DUE TO 360° LIMITLESS ROTATION OF THE ROTOTOP® AND EXCAVATOR KINEMATICS

Time-consuming repositioning of the excavator or changing of attachment tools are unproductive and hence a thorn in everyone's side. Work should be done swiftly and precisely, ideally without having to move too much.

This is how we see it as well.

That's why our engineers were looking for a solution and developed our RotoTop® with its 360° limitless rotation. It impresses with its compact design with no protruding parts. The design is extremely low and therefore features maximal breakaway and tearing forces. Rigidly mounted to the boom, our RotoTop® provides

any attachment tool with rotation and enables, by means of the usual excavator kinematics, flexible and above all quick work in the full operating range of the excavator. This means that the excavator can manage more tasks: Without moving. Without repositioning.



INCREASE YOUR PERFORMANCE TO ALMOST DOUBLE

ITS COMPACT, LOW DESIGN MAKES THE ROTOTOP® A TRUE POWER PACK

With our RotoTop® you can achieve maximal digging forces as its mounting height is exceptionally low and the tool has a very low dead weight. When using a backhoe, you can achieve a particularly high performance increase. In concrete figures this means: In earthworks, you can achieve a performance increase of 10–25%, in sewer construction up to 30%. Even in gardening and landscaping, increases of up to 50% are realistic when using the RotoTop®.

This can be explained by the fact that you get more mobility due to rotation. Our RotoTop® makes handling of your attachment tools more sensitive and smoother, which makes working with the excavator more precise.

This pays off as time-consuming manual work is saved. If you count the time saved on manual tasks, our customers talk about an increase of up to 300%.



3 YEARS WARRANTY EVEN FOR TOUGH APPLICATIONS

WE ARE ALSO RELAXED ABOUT 3,000 HOURS WITH THE ROCK CUTTER - OUR WARRANTY APPLIES HERE AS WELL

The construction of the housing is compact, the design is so robust that our RotoTop® can last more than just one excavator life. The hydraulic motor and all pipes are well-protected by the housing. A long product life is also ensured by the tool system's sealings and the greased worm gear. Truly unique is the RotoTop's power transmission through the gearing and not via the housing. Power thus goes directly to the bearing via the mounting plate and is absorbed by the bolts. This design enables cost-effective overhauling of the RotoTop® for a second excavator life cycle.

We have designed our RotoTop® in such a way that it is more than capable of withstanding really extreme long-term applications such as the rock cutter, hammer or vibratory plate. This is the reason why a 3-year or 3,000 OpHrs warranty is not a risk for us.

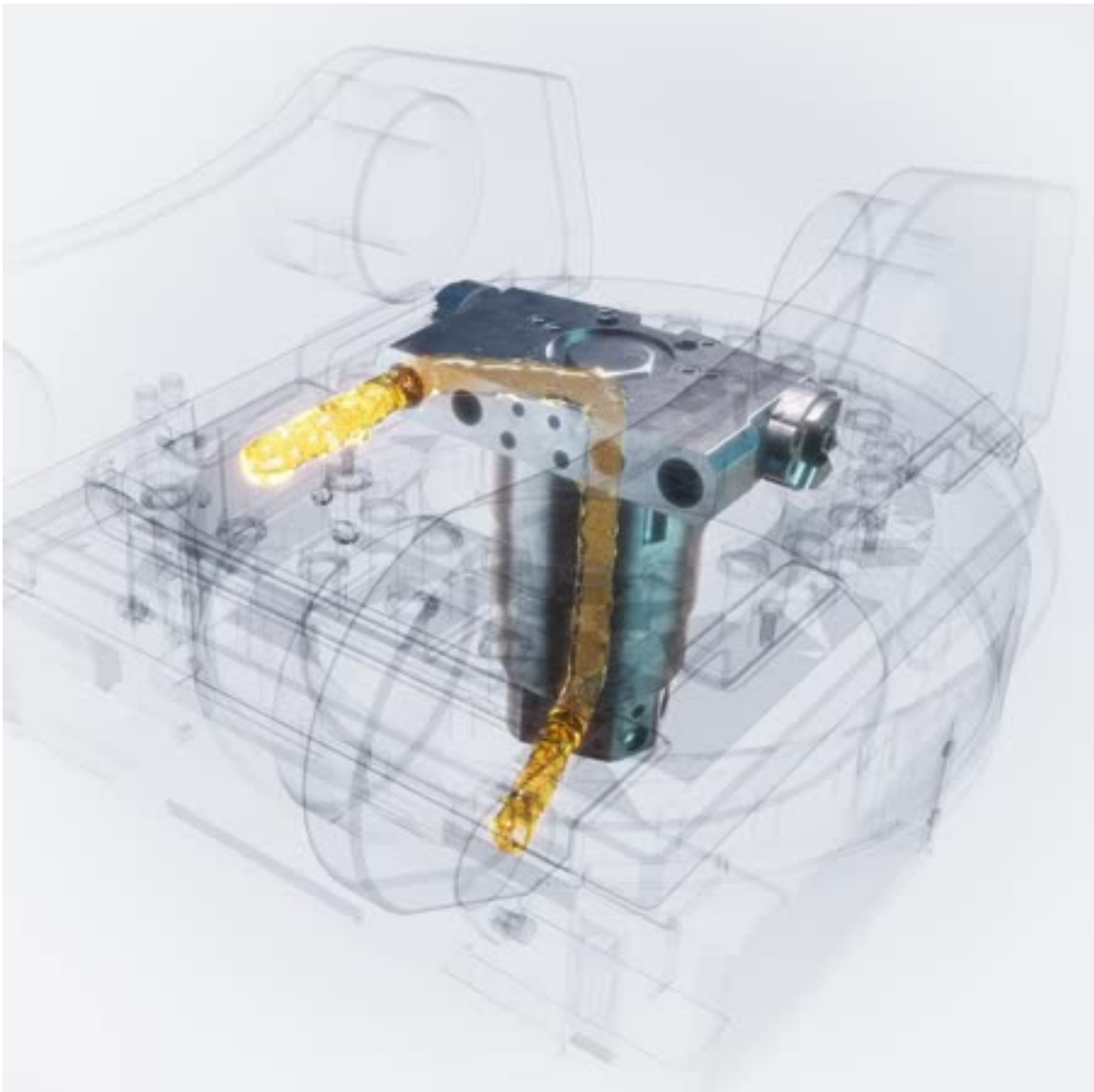


360° ROTATION IS SUFFICIENT FOR 95 % OF OPERATIONS

SPATIAL MOVEMENT IS ACHIEVED BY MEANS OF ROTATION IN COMBINATION WITH THE EXCAVATOR'S KINEMATICS

RotoTop® provides 360° limitless rotation allowing each attachment tool to rotate. Combined with standard excavator kinematics, the operator has the possibility to handle spatial movements as sensitively and smoothly as with a tilt rotator. A further advantage: The operator only has to perform movement along one axis and thus works intuitively and saves time and money after only a short adjustment period.

While a tilt rotator, which we build as our RotoX® in combination with Powertilt, requires months of proper training for the operator. This is why we at Holp see the tilt rotator as a special attachment tool. In order to keep maximal power on the construction site, the RotoTop® is rigidly mounted. In case this should not be sufficient for the operator, it is possible to quickly retrofit the RotoTop® with a swivel bucket or, in sewer construction, with a mobile boom extension in the form of a tilt in sandwich design below the RotoTop®.



ALWAYS KEEP THE ATTACHMENT TOOL WELL-GREASED

THE LARGEST ROTARY JOINTS IN THE MARKET PREVENT OVERHEATING EVEN WITH THE MOST INTENSE USAGE

Our RotoTop® 's 5, 6 or 8-way rotary joint with line cross-sections of up to 1 ¼ inches allow for a maximum power output at 400 bar for each excavator class. The entire system pressure generated by the excavator therefore reaches the attachment tool without noticeable loss. Since there is always a sufficient amount of pipes available every type of quick-coupler can be effortlessly fully equipped.

Starting already with the 3.5 tonnes class, an 8-way rotary joint can be fitted. This means that, just like with the "large" excavators, a fully hydraulic quick-coupler with all 5 couplings may be attached. Standard attachment tools, which are usually stored at any construction site, may thus be used without any problems. In addition, with long-term usage of tools requiring large quantities of oil, such as a mulcher or a rotary cutter, you never face the risk of overheating!

OUR ROTOTOP®'S EFFECTIVENESS



Rotary Joint

Using our RotoTop® you won't see overheating or a high dynamic pressure in long-term usage. Our standard rotary joints offer a larger line cross-section than currently usual in the market. To achieve this, we use a three-line system, where the leakage oil line has the exact same size as the control line.



High Robustness

As power transmission goes directly via the bearings, the housing always remains intact, even in the case of possible overloading. If necessary, only the screws and bolts that transmit the force need to be replaced, which is quick and cost-effective.



Constant Work Rhythm

Our RotoTop® and the large 8-way rotary joint in combination with fully hydraulic quick-couplers makes it possible for attachment tools to be changed from the standard excavator, directly from the operator's cab, without repositioning, within only a few seconds.





Durable

Our worm gear is greased which contributes to its very long durability. No oil is leaking and greasing is easily controllable. The RotoTop® may also be connected to a central lubrication system without any problems.



Safer

Due to the reduction of manual work, your employees no longer have to be present in risk areas. This leads to a significant increase in construction site safety.



Cost Savings

Your excavator must be moved and repositioned essentially less, since the options have increased due to 360° rotation. The time saved leads to more efficiency when carrying out jobs and ultimately to more profit.



Warranty

Our RotoTop® is that robust that we recommend rigidly mounting it to your excavator. We grant a 3-years / 3,000 OpHrs warranty - even with extremely rough usage such as with a rock cutter or a ripper bucket.

OUR ROTOTOP®'S RANGE OF APPLICATION

Our RotoTop® is being used globally under the most extreme conditions. In order to be able to always achieve maximum performance, its size is optimally adjusted to each excavator class.



Gardening and Landscaping

Cut down on time-consuming manual work by working contour-precisely with our RotoTop® in combination with a swivel or profile bucket. Effortless modelling in earthworks with 360° rotation.





Road Building

Boost your performance: Combine your backhoe with our RotoTop® and achieve maximum digging forces due to the low construction height. We retrofit your fully hydraulic quick-coupler with an 8-way rotary joint.



Sewer Construction

Increased safety in risk areas, as manual reworking is no longer needed due to the RotoTop® 's precise use. The range may even be extended by using a Powertilt in sandwich design as a boom extension.



Underground Winning

Robust and durable. In special operations such as scaling in mining or when working with a rock cutter in a quarry or tunnel.





Tunnel Construction

Our RotoTop® is incredibly robust and durable. Owing to its sturdy construction design it withstands even impact loads and vibrations during long-term operations with rock cutters and ripper buckets during tunnel construction.



Earthworks

Precise contouring of requested slope angles with the backhoe in combination with the RotoTop® 's rotation. Great flexibility at maximum power = 10%-50% power increase while reducing manual work and increasing safety at the same time.





Special Foundation Engineering

Flexibility with ever new, individual solutions for machine usage on difficult grounds or with special ground conditions.



Demolition Work

Safely move material to its destination by using a combination of RotoTop® and MultiGrip® bucket. The two grippers of the MultiGrip® bucket facilitate gripping of large components.



THE TECHNOLOGY

Individual configuration. Cost-effective attachment. No need to adapt the joystick when on a standard excavator.

Rotary quick-coupler for excavator types ranging from 0.6 - 45 tonnes
360° limitless rotation

1

Can be directly mounted to the excavator boom.
Also available as a sandwich design with a quick-coupler (above and underneath).

2

Rotary joint
Operating pressure of 400 bar
Up to 8-way rotary joints
Current feedthrough possible with all models

3

2nd Hydraulic motor optional *

4

Fully encapsulated housing to protect hydraulic motors

5

Extremely shock-resistant bearing for tough usage on rock cutters, ripper buckets, hydraulic hammers etc.

Low fitting to the quick-coupler

Up to 2.0 t = 88.5 mm, at 45 t = 213 mm

1

Low additional weight to the quick-coupler
27–390 kg depending on the model

6

6

Mounting plate is screwed directly on to the bearing. No forces through the housing

2

7

1st hydraulic motor

3

8

Self-locking worm gear
High precision: Attachment tool does not turn!

7

9

With all models, couplings are protected between the RotoTop and the quick-coupler.

8

4

5

VIDEOS OF OUR ROTOTOP®

Here you can find animations and video clips on the functioning and use of our RotoTop®. Or simply stop by and try it directly in our Test Arena in Murrhardt-Fornsbach/Germany.

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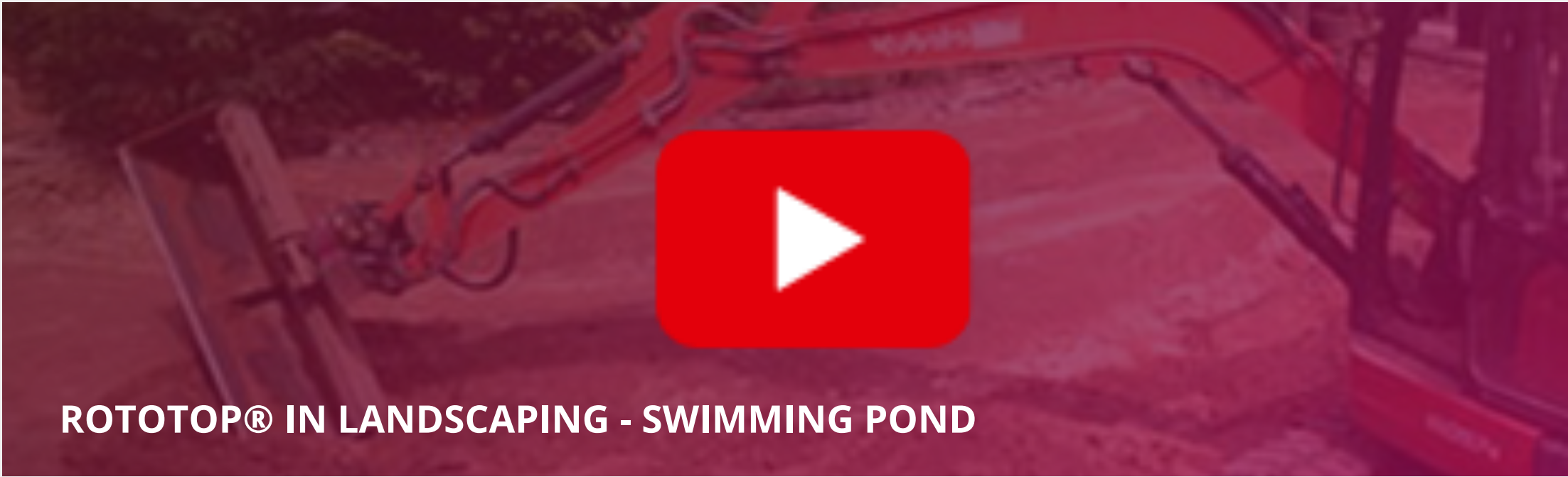
ROTOTOP® ANIMATIONS



RECOVERABILITY ROTOTOP®



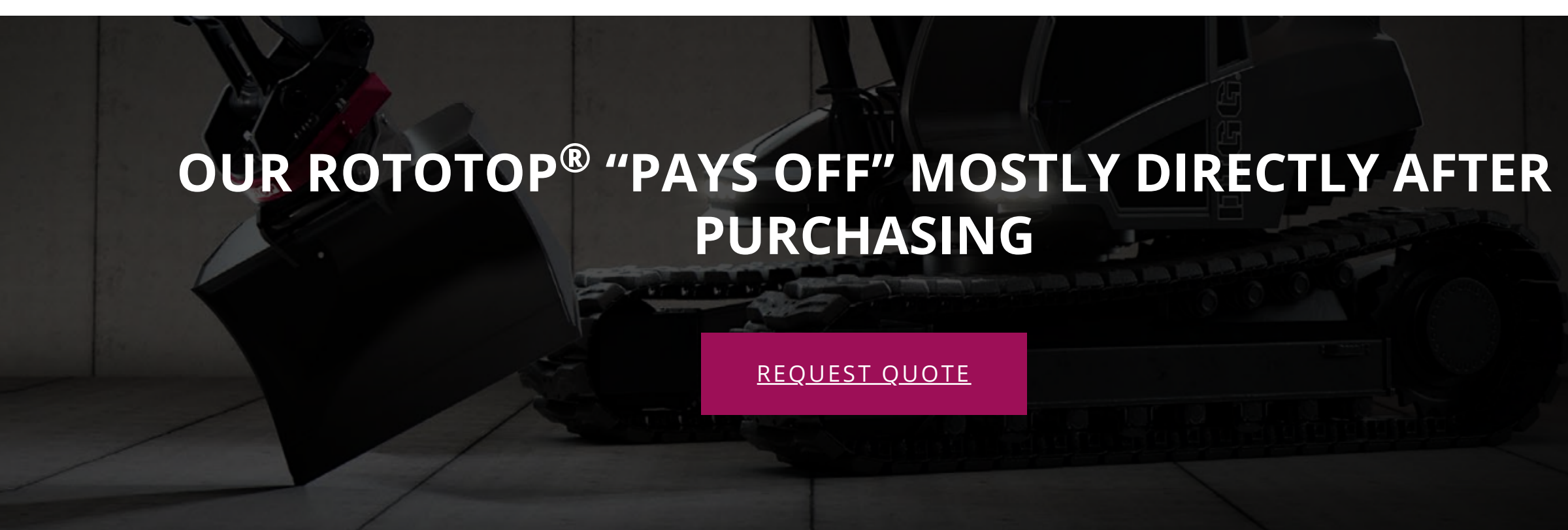
ROTOTOP® IN COMPARISON



ROTOTOP® IN LANDSCAPING - SWIMMING POND

DOWNLOADS

Quick and easy download of the most important documents and information on our RotoTop®:



**OUR ROTOTOP® “PAYS OFF” MOSTLY DIRECTLY AFTER
PURCHASING**

[REQUEST QUOTE](#)

Adress

Holp GmbH
Im Beundle 1
D-71540 Murrhardt-Fornsbach

Contact

Telephone & Fax:
Tel.: +49(0)7192/9336-0
Fax: +49(0)7192/9336-250
info@holp.eu

Company

Contact

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