



The complete program

Lehnhoff® at a glance.

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Committed to responsibility. Every day anew.

Tradition

Ernst Günter Lehnhoff established the company in 1960 under the name "Metallbearbeitung Steinbach" (Steinbach Metalworking).



In a small metalworking hall near Baden-Baden in south-west Germany, in 1960 Ernst Günter Lehnhoff began repairing and restoring construction tools. He formed his own engineering firm in 1962 to meet the requirements for innovative high carbon steel equipment for earth-moving machines. In 1966 followed the first customer-specific manufactured specialised backhoe buckets, in 1967 the invention of armoured steel and in 1969, the invention of the first tilting bucket. "Tailor-made solutions for the special demands in practice", was the goal of company founder Ernst Günter Lehnhoff right from the start – and for Lehnhoff, this goal has never changed.

1960



Tradition



Lehnhoff products have been at home on the building sites of Europe for 50 years. In accordance with our tried and tested motto: "Gained in practice, for use in practice", we meet the specific demands of our customers. We solve problems there, where they arise: on the building site. Based on our experience, and with our innovative ideas and the extremely high quality of our products and services, we have developed from being a niche supplier into becoming a trendsetter. With close proximity to our clients and a range of products that is constantly being developed further and is completely oriented to the tasks and processes that arise on the building site.

Today



Changing requirements require a technology that thinks.

Lehnhoff



Some ideas revolutionise everything that has gone before, when you just think things through thoroughly. For example, the innovative energy-circuit coupling Lehnhoff Variolock. Tools of all kinds can be selected according to the type of task at hand, fastened securely in a matter of seconds, and are then immediately ready to be used without any other personal effort. All excavators become multi-purpose machines. The new Variolock systems go one step further: automatic recognition of the attached equipment, pressure and volumetric flow settings, operational data collection and power supply are the foundations for the development of more intelligent work tools.

Lehnhoff Variolock for the quick and easy change of hydraulic attachments, comfortably from the driver's cabin.



The hardest steel, manufactured without compromises.



Wear protection wear for even the toughest demands Heavy duty attachments in special steel, the Leborit 5000.



A wide range of manufacturing expertise.

Production



To develop the highest levels of quality is one thing, to keep it that way for the long term is another. So we leave nothing in the manufacturing process to chance and have created ideal foundations for our work with a modern range of machinery and our extremely precise working processes. In addition to that come our committed and highly-qualified employees and state-of-the-art technology: Laser cutting stations, controllable robots, CNC controlled processing centres and robotic welding stations. And because we know how capable we are, we place high value on having a high manufacturing penetration. And of course, strict final checks. The reason: only the products that prove themselves here will also prove themselves outside on the construction site.

Lehmatic quickcoupler system.

Perfection you can rely upon – down to the smallest detail.



Everything can be made. Apart from compromises.



One idea, an infinite number of possibilities. Hence the Lehnhoff range of products is also called Full-Liner. Because it is possible to make any excavator, a mini-excavator as well as a 130 tonne giant into a multi-purpose construction machine. Because the Lehnhoff quickcoupler systems and the large range of backhoe and tilting buckets, specialised devices and demolition equipment are available for all brands and for all sizes of construction machines. Finely tuned to meet all demands. Available either as fully configured systems or manufactured according to the individual specifications of the customer.

Lehnhoff supplies a complete range of products: from the small 23 litre capacity mini-excavator buckets up to the 7.5 cubic meter heavy duty buckets for the 130-tonne class.



A survey of the Lehmatic® quickcoupler system.

One system idea – two components:

from miniexcavator to large excavator



Quickcoupler







Adapter







All Lehnhoff quickcoupler systems have, since 2010, Eurotest Certification from BG Bau, the German organisation for the construction industry.

The Lehmatic system is a partnership: the quick-coupler with excavator-specific suspension and the adapter for the attachment. Lehnhoff offers matching Lehmatic adapters for all standard tools and attachments.









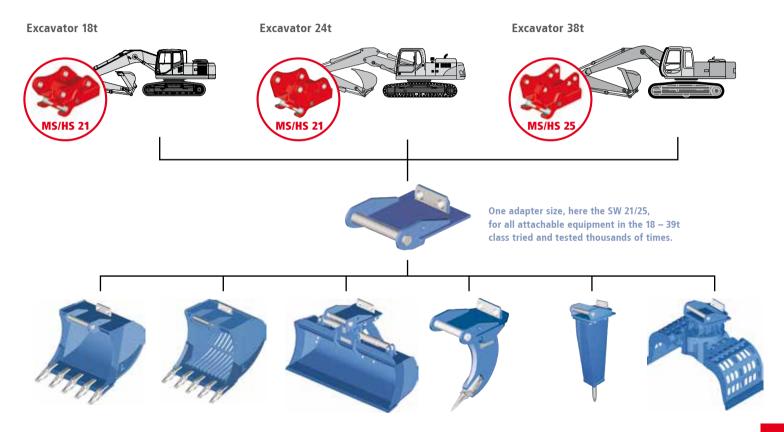
Lehmatic® quickcoupler system: an idea has caught on.

Higher productivity, better versatility in practical use.

The Lehmatic quickcoupler system turns any hydraulic excavator, from a miniexcavator to a large hydraulic excavator, into a multifunctional tool carrier for all buckets, grabs and demolition tools in its category.

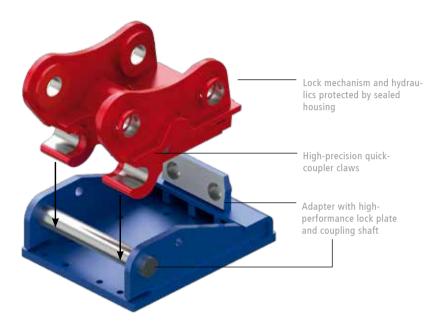
Excavator category	– 2t	– 5t	– 12t	– 19t	– 28t	- 40t	– 55t	– 70t	– 90t	– 130t
										100
									80	
								40		
							40			
Quick-						25				
coupler					21					
				10						
			80							
		03								
	01									
Adapter	SW 01	SW 03	SW 08	SW 10	SW 2	21/25	SW	40	SW	100
•										

An example for improved profitability: MS/HS 21/25 quickcoupler with a range of excavator suspensions.



Lehmatic® quickcoupler system: The principle.

Two partners for secure connections.



The technical benefits:

- Reliable and long life cycle: automatic adjustment to ensure tolerancefree connection between quickcoupler and adapter
- ► Long service life, little maintenance due to sealed locking mechanism
- Minimum loss of digging and breakout forces due to optimized kinematics

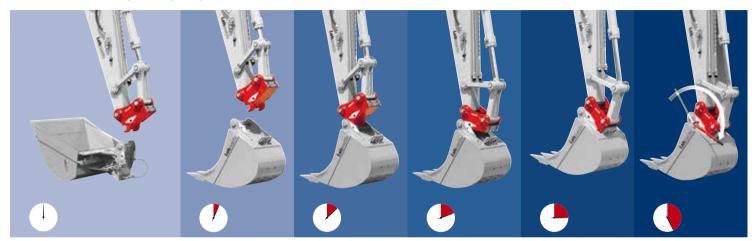


Automatic lock pin adjustment for a secure quickcoupler position in the adapter, increased resistance to wear and tear, and an extended service life



Choice materials and precise machining for extended service life and maximum functional safety

Changing attachments on a hydraulic excavator in less than a minute? Go for the Lehmatic® quickcoupler system.



Locking sequence mechanically operated quickcoupler

Change attachments in record time with the Lehmatic® quickcoupler's coupling claws,by picking up, raising, tilting and locking the attachment. What's more: the driver can do this by himself—in no time at all and with no extra help—and can even remained seated thanks to the hydraulic lock function.

Locking of 5-40t excavator



Locking of 1-5t excavator

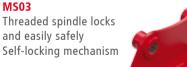
Lehmatic® for miniexcavators (1-6 tonnes).

Lehmatic® MS01/03 und HS01/03 - the compact ones

- Rugged steel housing with machined contact surfaces for extended service life
- Patented lock system ensures safe and tolerance-free connection between quickcoupler and adapter
- Compact, low-design quickcoupler system reduces breakout force losses to a minimum
- Sealed lock mechanism for long life cycle and low maintenance requirements
- Optional: load hook (2-3t)



- Socket wrench locks fast, easily and safely
- Self-locking mechanism sealed inhousing







HS - hydraulically operated

- Attachments easily changed without leaving the cab
- Safely locked with spring pressure
- Hydraulically unlocked with singleaction cylinder

HS03





Lockable toggle switch to provide protection against inadvertent unlocking.
Locking control performed by a position indicator (check pin) on the quickcoupler.

HS03 Hydro-Block (H)

Locking and unlocking as with the HS03 with additional hydraulic blocking of the locking bolts. For stronger mini-excavators from 4.8 tonnes and highly-stressed tools e.g. hydraulic hammers

Adapter program.



Symlock adapter for backhoe and shovel bucket applications



Adapter frame for backhoe buckets and bucket modification



Weld-on adapter for welding on attachments without bore template



Screw-on adapter for demolition tools (hammers etc.)



Screw-on adapter for special bore templates



Grab adapter for mounting all types of grabs



Special adapter, e.g. for load hooks



Quickcoupler Types	MS/HS 01	MS/HS 03	HS 03H
Excavator category [t]	0,7 - 2	1,5 - 5	4,8 - 6,5
Lenght [mm]	235	295	295
Width [mm]	180	200	200
Weight appr. [kg]	15	30	30
Adapters	SW 01	SW 03	SW 03
Coupling shaft ø [mm]	40	50	50

Lehmatic®-Symlock® Shovel and Backhoe Bucket Applications for Mini and Compact Excavators.

Symlock®-Adapter: Easily Changing a Backhoe Bucket to a Shovel Bucket.

Get even more out of your Lehmatic quickcoupler system with a Symlock®adapter. For all applications requiring more depth and reach, all you have to do is turn around your backhoe or tilt bucket by 180° with the Symlock adapter, and change from backhoe to shovel applications in no time at all,

for instance

- for picking up or filling up material next to walls
- for excavation work
- ► in case of limited reach
- ▶ in case of obstacles



A backhoe bucket with Symlock adapter for normal backhoe applications, is simply rotated by 180° for shovel bucket applications







Symlock adapter SW01/03

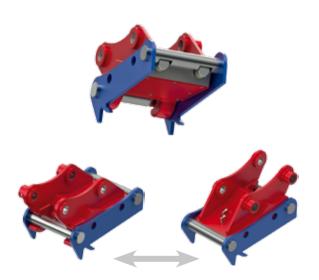
Symlock®-Adapter.

- For all mini and compact excavators with Lehmatic® quickcoupler systems SW01 / SW03 / SW08
- Lehmatic® quickcouplers made before January 2006 can be adapted to Symlock® applications by means of a minor modification

QC-type	MS/HS 01	MS/HS03	MS/HS 08
Excavator category [t	:] 0 - 2t	2 - 6t	6 - 12t

Perfect Fit in Symlock® Adapter.

The Symlock adapter fully supports the Lehmatic quick-coupler system and the benefits it offers. The typical lock plate and coupling shaft on the adapter have been replaced by 2 symmetrically positioned coupling shafts with plane surfaces for the lock surface and pin of the quickcoupler, making for both the conventional position of the attachment in the adapter and a position turned round by 180°.



Quickcoupler turned in adapter by 180°

Make your mini and compact excavator do even more!



e. g. digging deep with the shovel bucket ...



... and loading it full in spite of an obstacle

Lehmatic® for hydraulic excavators.

MS - Mechanical quickcoupler:

attachments safely locked in no time at all.

The quickcoupler is manually locked with the socket wrench, fast and effortlessly - either by the driver or by the staff on the construction site - with no need to readjust the connection.

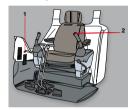
The lock mechanism's dead center position ensures the safe position of both lock pins.

HS – Hydraulic quickcoupler:

lock your attachments without leaving the cab.

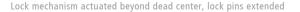
The driver activates the control valve of the quickcoupler with a lockable toggle switch and locks or unlocks the quickcoupler by pressing the button. An optical check pin on the quickcoupler indicates the position of the locking bolts. A safety non-

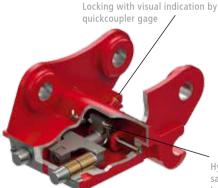
return valve and permanent pressurisation ensure that the quickcoupler is kept securely locked and without room for movement.



Operation in cabin by a lockable toggle switch.







Hydraulic cylinder with integrate safety valve, quickcoupler safely locked



Adapter plate for backhoe buckets, tilt buckets, or bucket modification



Weld-on adapter for welding on attachments without bore template



Screw-on adapter for demolition tools (hammers etc.)



Screw-on adapter for special bore templates



Grab adapter with connecting sidebar for mounting all types of grabs



Special adapter, e.g. on-load rotation of load hooks

Quickcoupler types	MS/HS 08	MS/HS 10	MS/HS 21	MS/HS 25	HS 40	HS 100
Excavator category [t]	5 - 12	10 - 19	18 - 28	26 - 40	40 - 70	70 - 130
Length [mm]	400	520	545	545	760	1100
Width [mm]	290	395	495	495/600	750	1000
Weight approx. [kg]	75	170	270	310	600 - 800	1300 - 1500
Adapters	SW 08	SW 10	SW 21/25	SW 21/25	SW 40	SW 100
Coupling shaft ø [mm]	60	70	80	80	100	140

Lehnhoff[®] Variolock[®]. Quickcoupler with hydraulic coupling function for excavators from 2-130 tonnes.

Variolock® – each attachment is ready for safe use in a matter of seconds.

Changing any attachment with the Variolock full automatic energy circuit coupling system, is effortless, safe and fast. The operator can change any tool including the hydraulic connection at the touch of a button from the comfort of his cab. The hydraulic unit and the tried and tested original Lehnhoff quickcoupler form a compact unit.













Lehnhoff® Variolock® System.

It's worth it: fully automatic changing of attachments with Variolock®.

- Increased efficiency by saving time and manpower
- More efficient working tool changes are viable even for short working cycles
- Cutting costs by treating machinery, attachments and hydraulic hoses with care
- More safety and comfort for the operator
- Less contamination of the hydraulic system, environmentally friendly
- Prevention of hydraulic hose failure
- Fast efficient profitable

Existing backhoes with Lehnhoff adapter can still be used!

All types of buckets and attachments with original Lehnhoff adapters without hydraulic function can still be used. In this case, only a slight modification is required to ensure the protection of the valve block on the quick coupler.

> Valve block protection for backhoe buckets and tools without hydraulics

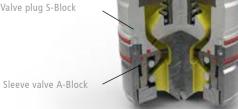


Lehnhoff short stroke valves KV!

These have been specifically designed for excavators and attachment tools with maximum oil flow. Maximum flow rate means:

- No dynamic pressure
- Less heat development
- Lower fuel consumption
- Environmentally friendly
- More power More profit!

Valve plug S-Block



Flow-optimised Lehnhoff short-stroke valves

System Variolock®.

- ► Compatible with all Lehmatic attachments such as backhoes, rippers etc.
- ► Safely integrated into the proven Lehnhoff guick coupler system
- Accurate hydraulic connection through patented valve clamping technology
- ► Minimal pressure loss and less heat development with high oil flow rates
- ► Robust, easy to clean and maintain
- All Lehnhoff guick coupler systems are Euro Test certified



Technical specification

Excavator class	Mini excavators	Compact excavators	Hydraulic excavators		Large excavators				
Weight	1,5-6t	5-12t	10-19t	18-28t	28-40t	35-55t	50-70t	70-90t	90-130t
Variolock quickcoupler	VL30	VL80	VL100	VL210	VL250	VL400	VL700	VL800	VL1000
Lehnhoff short stroke valves Type Size Flow rate (I/min)									
KV1 > DN12	5	3	3	2	2	6	6	6	6
KV2 > DN16		2							
KV3 > DN20			2	1	1	1+*	1+*	1+*	1+*
KV4 > DN25 ≙ 1" 550				2	2				
AV6 > DN38 ≙ 1½" 750						2	2	2+*	2+*
Automatic tool recognition*	_	•	•	•	•	•	•	•	•
Electric power supply*	•	•	•	•	•	•	•	•	•
Tool Data Management (TDM)*	_	•	•	•	•	•	•	•	•

^{*} Option for increased median flowrates

Lehnhoff® Variolock® for Mini and Compact excavator. VL30 / VL80

Variolock turns your hydraulic excavator into an all-round specialist

The hydraulic excavator has developed into a multi-purpose equipment carrier that makes it necessary to perform frequent changes of tools. With the Variolock quickcoupler system, all types of hydraulic and non-hydraulic attachments can be changed safely in a matter of seconds. This will lead to more efficient working practices and reduce wear on the attachments due to it being able to be used more efficiently.

5 short stroke valves for all toolsall functions including oil leakage pipe

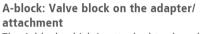
When locking the quick coupler to the adapter, the valves are automatically opened and kept pressurised by an active clamping support. The extreme short stroke of 0 - 3.5mm now allows full oil flow. The quick coupler is always locked securely and without play by using continuous pressure.

Variolock type	VL30	VL80
Excavator cat. [t]	1,5 - 6	5 - 12
Length [mm]	295	400
Width [mm]	200	290
Weight approx. [kg]	50	90
Adapter size	SW 03	SW 08
Valves	5x KV1	3x KV1, 2x KV2





S-block: Valve block in the quickcoupler The S-block is flexibly and centrally mounted on the underside of the quickcoupler and consists of 5 short stroke valves which connect all the hydraulic circuits of the attachments securely and leak-free with the working hydraulics of the excavator.



The A-block which is attached to the adapter of the working tool can be optimally adapted to the respective tool functions with up to five valves. The Lehnhoff short stroke valve forms a plane surface with the surface of the block and is easy to maintain.



Symlock® tilt bucketThanks to symmetric valve geometry, you can alsouse hydraulic tilt buckets as shovel buckets with the help of a Symlock adapter.

Examples of hydraulic attachments that are ready for use with your mini-excavator in a matter of seconds:



Lehnhoff® Variolock® for Hydraulic excavators from 10-40 tonnes. VL100 / VL210 / VL250

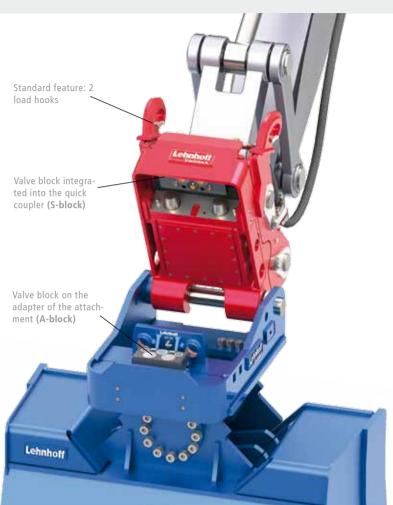
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5 short stroke valves for all tools all functions including oil leakage pipe

When locking the quick coupler to the adapter, the valves are automatically opened. Immediately after locking, the upper valve block (S-block) and lower valve block (A-block) are automatically coupled together by integrated clamping cylinders. The extreme short stroke of the valves of 0-4.8mm now allows full flow of oil.

Variolock type	VL100	VL210	VL250
Excavator cat. [t]	10 - 19	18 - 28	28 - 40
Length [mm]	295	400	400
Width [mm]	395	495	600
Weight approx. [kg	[] 220	350	450
Adapter size	SW 10	SW 21/25	SW 21/25
Valves	3x KV1, 2x KV3	2xKV1, 1xKV3,	2x KV1, 1x KV3,
		2xKV4	2x KV4



S-block: Valve block on the quickcoupler The S-block is flexibly mounted on the quickcoupler and contains a total of 5 short stroke valves which ensure a safe and leak-free connection between the hydraulic circuits of the attachments and the working hydraulics of the excavator. Two integrated clamping cylinders securely clamp both

A-block: Valve block on the adapter/ attachment

valve blocks together.

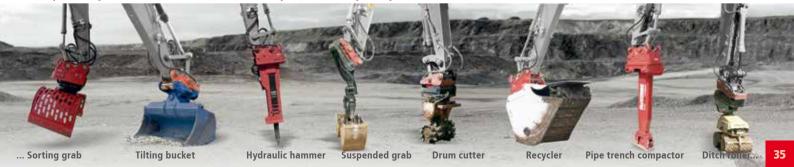
The A-block which is attached to the adapter of the working tool can be optimally adapted to the respective tool functions with up to five valves. The Lehnhoff short stroke valve forms a plane surface with the surface of the block and is easy to maintain.



Locking operation

When locking the quickcoupler to the adapter, the valves are automatically opened and kept pressurised by an active clamping support. The extreme short stroke of 0 - 4.8mm now allows full oil flow. The quickcoupler is always locked securely and without play by using continuous pressure.

Examples of hydraulic attachments that are ready for use with your hydraulic excavator in a matter of seconds:



Lehnhoff® Variolock® for large excavators 35 to 130 tonnes. VL400 / VL700 / VL800 / VL1000

Variolock quickcoupler for heavy duty use

The "large" Lehnhoff Variolock quickcouplers enable the costeffective and efficient use of large-scale hydraulic attachments under even the harshest conditions in the mining industry, in heavy demolition work, recycling and road construction. The heaviest of equipment such as hydraulic hammers, shears, crushers and concrete crushers with weights of up to 24,000 Kilos can be exchanged quickly, safely and in an environmentally friendly manner by the machine operator alone in his cabin.

Maximum Performance - actively driven valves (AV)

Two valve blocks – protected and integrated symmetrically in housing – contain the required number of actively driven, patented flat valves (AV6). With their extremely high oil flow of 720 litres/minute with a minimal loss of pressure (Δ p \triangleleft 8 bar), they provide efficient and powerful operation for all tools.

Variolock type	VL400	VL700	VL800	VL1000
Excavator cat. [t]	35 - 55	50 - 70	70 - 90	90 - 130
Length [mm]	760	760	1100	1100
Width [mm]	750	750/800	1000	1000
Weight approx. [kg	700	870	1400	1750
Adapter size	SW 40	SW 40	SW 100	SW 100
Valves	6x KV1, 1x KV3	6x KV1, 1xKV3,	6x KV1, 1x KV3,	6x KV1, 1x KV3,
	2x AV6	2x AV6	min. 2x AV6	min. 2x AV6





Lehnhoff® - Powertilt®.

Tilt function for more flexibility and efficiency.

Lehnhoff-Powertilt: The perfect combination of all the benefits of a quickcoupler with those of a tilt motor. The ideal solution for the proper and effective cleaning of ditches, for sloping and filling work.

The Lehnhoff-Powertilt operates with a wide variety of excavating attachments, especially also with narrow buckets.

- ► Enormous operating range: up to 2 x 90° tilting angle, both sides (180°)
- ► Tilt motor sealed and protected against damaging
- High retaining forces and rugged design for heavy-duty applications
- ► Ideally suited for narrow buckets and compact attachments
- A plus for water-supply and sewage construction
- Combinable with all Lehnhoff quickcouplers (MS / HS / VL)



Powertilt®tilt motor with Lehmatic® quickcoupler

Excavator [t]					9 – 13	13 – 20	20 – 27	27 – 35
Lehmatic	MS/HS 01	MS/HS 03	MS/HS 03/08	MS/HS 08	MS/HS 10	MS/HS 10/21	MS/HS 21	MS/HS 25
e.g. Variolock	-	VL 30	VL 30/80	VL 80	VL 100	VL 100/210	VL 210	VL 250
Powertilt	PTS 4.5	PTS 6	PTS 7	PTS 8	PTS 9	PTS 10	PTS 11	PTS 12
Tilting angle	2x90°	2x90°	2x90°	2x90°	2x70°	2x70°	2x70°	2x70°
Weight approx. [l	(g] 60	75/85	105/145	195	260	295/385	545	680



Lehnhoff® - Rotator.

360° infinite rotation combined with the Lehnhoff quickcoupler system.

Increase the range of action of your attachments up to 360° with infinite left/ right rotation. The Lehnhoff rotator enables more flexible work due to an increase in the number of working positions. By simply rotating through 180°, a backhoe bucket can quickly become a front shovel for example.

- ► Left/right infinite rotation
- Rotary drive is installed at the lowest height which leads to more breakout force
- ► Optional oil rotary feedthrough
- Can be combined with all Lehnhoff quickcoupler systems (MS / HS / VL)
- ► Selectable with direct or quickcoupler suspension on the excavator side.



Rotator with full-hydraulic guickcoupler Variolock



Rotator with quickcoupler suspension on the excavator side (Sandwich)

Excavator [t]	2 - 2,5	2,4 - 3,5		5 - 8,5			17 - 25	24 - 33
Lehmatic	MS/HS03	MS/HS03	MS/HS03	MS/HS08	MS/HS08	MS/HS10	MS/HS10/21	MS/HS21/25
e.g. Variolock	VL 30	VL 30	VL 30	VL 80	VL 80	VL 100	VL 210	VL 250
Rotator	RB 20	RB 35	RB 60	RB 85	RB 110	RB 180	RB 250	RB 330
Weight approx [kg]	from 90	from 90	from 125	from 230	from 230	from 410	from 540	from 750
Work pressure				175 bar				

Lehmatic[®] with Rototilt[®] – a maximum of versatility for a wide range of applications.

Together with the Lehmatic quickcoupler system, the hydraulic Rototilt® notably extends the scope of application of a hydraulic excavator with the Tiltrotator acting like a wrist between the excavator and the attachment. An integrated control system allows for continuous rotation and swivelling up to 40° in either direction. Attachments are safely and easily changed, even without leaving the cab in the case of the hydraulic quickcoupler.

- ▶ 360° continuously rotatable, tiltable 40°, both sides
- Simultaneous control of rotating, tilting and add-on functions
- ► Either with direct suspension or with quickcoupler suspension
- Combinable with all Lehnhoff Quickcouplers (MS / HS / VL)



Rototilt with multi-purpose acceptance unit on the excavator side and Variolock quickcoupler

Excavator [t]		6 – 11	10 – 15	15 – 24	23 – 30
Lehmatic	MS/HS03	MS/HS08	MS/HS10	MS/HS10/21	MS/HS 21/25
e.g. Variolock	VL 30	VL 80	VL 100	VL 210	VL 210/250
Rototilt	RT 20	RT 30	RT 40B	RT 60B	RT 80
Weight approx. [kg]	170	290	380	470/560	740/800
Work pressure			250 bar		



Lehnhoff® - TiltRotator.

Lehmatic® with TiltRotator – Compact tiltrotator with rotary motor for a larger radius of action and more manoueverability for your attachments.

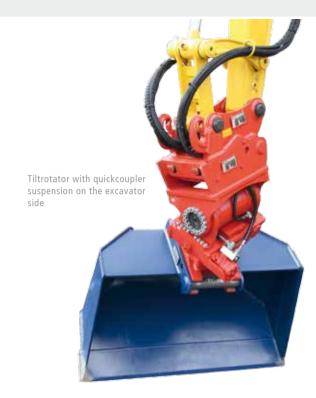
Thanks to the Lehnhoff TiltRotator, it is possible to swivel attachments simultaneously in both directions $\pm 55^{\circ}$ and to rotate them infinitely. Combining both functions enables quick and precise spatial positioning. This leads to increased efficiency and productivity.

- ▶ 360° infinitely rotating, 55° swivellable on both sides
- ► Highly flexible and precise work due to proportional control system
- ► Ideal for the excavation of particularly narrow shafts
- ► With direct suspension or with quickcoupler suspension
- ► Combinable with all Lehnhoff Quickcouplers (MS / HS / VL)



Tiltrotator with direct suspension on the excavator side

Excavator [t]	2 – 2,5	2,4 – 3,5	3 – 6	5 – 8,5	8 – 11	10 – 18	17 – 25	24 – 33
Lehmatic	MS/HS03	MS/HS03	MS/HS03	MS/HS08	MS/HS08	MS/HS10	MS/HS10/21	MS/HS 21/25
e.g. Variolock	VL 30	VL 30	VL 30	VL 80	VL 80	VL 100	VL 210	VL 210/250
TiltRotator	TR 20	TR 35	TR 60	TR 85	TR 110	TR 180	TR 250	TR 330
Weight approx. [kg]	120	130	180	310	330	590	690/790	940/990
Work pressure					210 bar			



Complete program on a broad basis.

Lehnhoff's high-carbon steel equipment for hydraulic excavators, wheel and crawler loaders provides the best prerequisites for efficient earthworks. The extensive product range services the general construction industry with efficient attachments and offers proven Lehnhoff quality to special branches such as demolition and recycling, landscaping, quarries and gravel works.

Lehnhoff's complete program of backhoe and tilting buckets, buckets and demolition tools is available for all machine categories: from mini/compact excavators via hydraulic excavators to large excavators.

Lehnhoff's high-carbon steel equipment impresses with maximum quality of material and workmanship. Matching steels, drop forgings, cast components, rugged weldments, and Lehborit® 5000 cutting edge and wear-resistant plates are the basis for an extremely long service life and thus maximum profitability.

In brief: Quality from Lehnhoff pays off!











Lehnhoff® buckets for mini/compact excavators.

Bucket know-how for mini/compact excavators.

Just like their big brothers, the backhoe buckets for 0.7 to 12 t mini/ compact excavators satisfy maximum quality demands. The shaping featuring a stretched cutting edge and a curved side cutting edge makes for optimal penetration into the material and full buckets.

- Robust 400 HB steel bucket base
- ► Lehborit® 5000 (500 HB) cutting edge
- ► Side cutting edge with 400 HB wear-resistant sheets
- Drop-forged, hardened Lehnhoff teeth (up to CTL 5)
- Easy filling and little wear due to biconical bucket design. Ideally suited for excavating narrow ditches.

Miniexcavators

	Excavator		Cutting w	Cutting width [mm]/SAE-capacity [Ltr.]					
MTL 1	0,8 - 1,5t	260/30	300/35	400/40	500/60	600/70			
MTL 2	1,5 – 2,6t	300/40	400/60	500/80	600/97	700/117			
MTL 3	2,6 - 3,5t	300/56	400/75	500/100	600/127	700/153	800/180		
MTL 4	3,5 - 5,0t	300/66	400/96	500/130	600/162	700/195	800/230		
MTL 6	4,8 - 6,0t	300/80	400/120	500/140	600/180	800/250	1000/320		

Compact excavator

ı		Excavator		Cutting width [mm]/SAE-capacity [Ltr.]					
	CTL 5	6,0 - 8,0t	300/90	400/130	500/170	600/210	800/300	900/340	
	CTL 10	8,0 - 10,0t	300/105	400/155	500/200	600/255	800/360	900/410	1000/460
	CTL 12	10,0 - 12,0t	300/130	400/170	500/225	600/280	800/395	900/450	1000/510
			1100/570	1200/620					





Lehnhoff's tilting buckets for 0.7 to 12 t mini/compact excavators are perfectly suited for making ditches or excavating alongside walls or houses

Ditch cleaning buckets

Mini excavator

	Excavator	Cutting wi	dth [mm]/SA	.E-cap. [Ltr.]
MG 5	1,5 – 2,6t	850/77	1000/92	1200/117
MG 20	2,6 - 5,0t	1000/150	1200/180	1400/208
MG 60	5,0 - 6,0t	1200/190	1400/240	1500/260

Compact excavator

	Excavator	Cutting width [mm]/SAE-cap. [Ltr.]				
CG 5	6,0 - 8,0t	1500/280 1800/335				
CG 10	8.0 - 12.0t	1500/350 1800/420				

- Large tilting range of 2 x 50°
- Compact bucket shape for narrow ditches
- Sturdy and wear-resistant: Lehborit 5000 (500HB) cutting edge and side cutting edge
- Including hydraulic cylinder, pressurizing valve and hoses up to the tilting head
- ► All buckets are available as rigid version

Sorting buckets

Mini excavator

	Excavator	Cutting width [r spacing width [r	nm] / SAE-cap. [Ltr.] nm]
MSL 3	2,6 - 3,5t	600/127/50	700/150/50
MSL 4	3,5 - 5,0t	600/162/50	800/230/50
MSL 6	4,8 - 6,0t	800/250/60	1000/320/60

Sorting buckets for mini and compact excavators.

To separate all kinds of fine materials from larger materials. The MSL version for mini-excavators with a plasma-torched base. The CSL version for compact excavators with a bucket base made of massive rectangular bars.

Sorting buckets

Compact excavator

-			
	Excavator	Cutting width [mn spacing width [mr	
CSL 5	6 – 8t	800/300/60	1000/380/60
CSL 10	8 – 10t	800/360/60	1000/460/60
CSL 12	10 – 12t	1200/620/60	





Mini sorting bucket with a plasma-torched base



Compact-sorting bucket with a base made of massive rectangular bars

Lehnhoff® backhoe buckets for hydraulic excavators.







Examples:

On demand: all suspensions available

Direct-suspension

OQ-suspension

SWA-suspension

CW-suspension





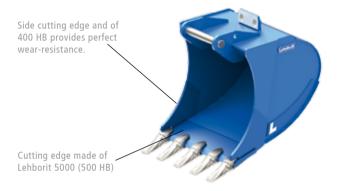




Lehnhoff® Universal backhoe bucket GP.

Universal backhoe bucket for all-purpose use .

The GP backhoe bucket for all 10 to 50t excavators is suitable for a variety of excavation projects and equally efficient, lightweight, and long-lasting. An additional sandwich constructed base made of 400 HB steel protects the bucket base from wear and impacts, while at the same time offering good grading features for earthmoving.





	Excavator	Cutting width /SAE	utting width /SAE-capacity [m³]/weight*									
HTL 15GP	10 – 15t	400/0,18/315	500/0,25/325	600/0,33/350	700/0,40/390	800/0,48/440	900/0,56/475	1000/0,64/505				
		1100/0,72/560	1200/0,80/620									
HTL 20GP	15 – 19t	400/0,22/340	500/0,30/350	600/0,38/380	700/0,47/435	800/0,56/465	900/0,66/495	1000/0,75/525				
HTL 35VS		1100/0,85/585	1200/0,94/615	1300/1,04/645	1400/1,13/675							
HTL 25GP	18 – 23t	600/0,43/470	700/0,53/605	800/0,63/640	900/0,73/690	1000/0,84/740	1100/0,94/820	1200/1,05/850				
		1300/1,16/880	1400/1,26/930	1500/1,37/990								
HTL 30GP	22 – 28t	600/0,48/620	800/0,70/680	1000/0,93/730	1200/1,17/830	1400/1,41/880	1500/1,53/990	1600/1,65/1070				
HTL 35GP	26 – 40t	800/0,85/790	1000/1,13/900	1200/1,42/990	1500/1,87/1170	1600/2,02/1230	1800/2,32/1430					
HTL 40GP	40 - 50t	1000/1,34/1200	1200/1,69/1300	1400/2,04/1550	1500/2,22/1620	1600/2,40/1700	1800/2,76/1900					

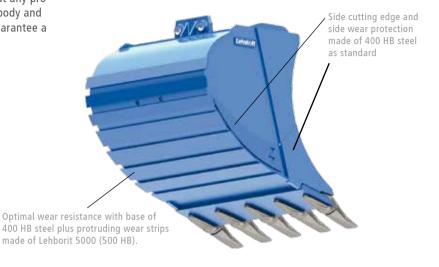
^{*}Weights vary depending on bucket suspension, tooth and cutting edge versions.

Lehnhoff® Heavy Duty Backhoe Bucket HD.

Heavy duty (HD) backhoe bucket for demolition and rocks.

The heavy duty backhoe HTL HD for 18 to 50t excavators holds up to the toughest applications with high break-out forces without any problems at all. The robust welded construction of the bucket body and the extra wear resistance from the 400 and 500 HB steel guarantee a long service life.





Excavator Cutting width /SAE-capacity [m3]/weight*

18 – 23t	600/0,43/520	700/0,53/640	800/0,63/750	900/0,73/800	1000/0,84/880	1100/0,94/990	1200/1,05/1050
	1300/1,16/1120	1400/1,26/1210	1500/1,37/1300				
22 – 28t	600/0,48/690	800/0,70/780	1000/0,93/970	1200/1,17/1150	1400/1,41/1300	1500/1,53/1400	1600/1,65/1500
26 – 40t	800/0,85/870	1000/1,13/1050	1200/1,42/1300	1400/1,75/1530	1500/1,87/1610	1600/2,02/1700	1800/2,32/1920
40 – 50t	1000/1,34/1250	1200/1,69/1500	1400/2,04/1700	1500/2,22/1850	1600/2,40/1950	1800/2,76/2200	
	22 – 28t 26 – 40t	1300/1,16/1120 22 – 28t 600/0,48/690 26 – 40t 800/0,85/870	1300/1,16/1120 1400/1,26/1210 22 - 28t 600/0,48/690 800/0,70/780 26 - 40t 800/0,85/870 1000/1,13/1050	1300/1,16/1120 1400/1,26/1210 1500/1,37/1300 22 - 28t 600/0,48/690 800/0,70/780 1000/0,93/970 26 - 40t 800/0,85/870 1000/1,13/1050 1200/1,42/1300	1300/1,16/1120 1400/1,26/1210 1500/1,37/1300 22 - 28t 600/0,48/690 800/0,70/780 1000/0,93/970 1200/1,17/1150 26 - 40t 800/0,85/870 1000/1,13/1050 1200/1,42/1300 1400/1,75/1530	1300/1,16/1120 1400/1,26/1210 1500/1,37/1300 22 - 28t 600/0,48/690 800/0,70/780 1000/0,93/970 1200/1,17/1150 1400/1,41/1300 26 - 40t 800/0,85/870 1000/1,13/1050 1200/1,42/1300 1400/1,75/1530 1500/1,87/1610	1300/1,16/1120 1400/1,26/1210 1500/1,37/1300 22 - 28t 600/0,48/690 800/0,70/780 1000/0,93/970 1200/1,17/1150 1400/1,41/1300 1500/1,53/1400 26 - 40t 800/0,85/870 1000/1,13/1050 1200/1,42/1300 1400/1,75/1530 1500/1,87/1610 1600/2,02/1700

^{*}Weights vary depending on bucket suspension, tooth and cutting edge versions.

Special attachments for hydraulic excavators.

Sorting bucket for separating coarse and fine material

- ► Robust bucket design, base made of solid rectangular web members
- ► 400 HB steel side wear protection lining, Lehborit 5000 (500 HB) cutting edge
- ► Tooth system and version as required



	Excavator	Cutting width [mm]/SAE-capacity [Ltr.]	Members [mm]
HSL 15	10 – 13t	1200/800	40 x 25
HSL 20	15 – 19t	1200/940	40 x 25
HSL 25	18 – 23t	1300/1160	50 x 30
HSL 30	22 – 28t	1400/1410	60 x 40
HSL 35	26 – 40t	1500/1870	70 x 50
HSL 40	40 – 50t	1800/2800	80 x 60

Contour bucket

- Optimised trapezoid design for use on rotators and tiltrotators
- ► Bi-conical side walls
- Elongated cutting edge, ideal for grading works



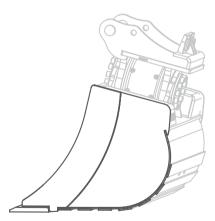
Contour bucket



Lehnhoff® Hydro Universal Buckets for hydraulic excavators.

The all-rounder for working on slopes and excavation work.

The new Lehnhoff Hydro universal bucket exists in two different shapes and in two different kinds of tilt drives. The HB-R with its backhoe-shaped curved side cutting edge is ideal for excavation work. The HB-G with a straight side cutting edge is particularly suitable for precise work on slopes and embankments.



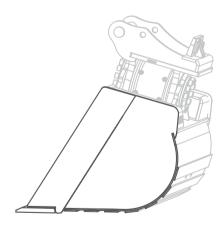
HB-R Hydro universal bucket with backhoe type bucket and curved side cutting edge

Rotary actuators with hydraulic rotary motor.

Extremely robust and low-maintenance drive with 2x 45° pivoting angles that reduces the installation height considerably with its embedded rotary motor. As a result, the optimal tearing and breakout force can be achieved.

Tilt unit with hydraulic cylinders.

Robust long-life tilt head with 2 large hydraulic cylinders and piston rod protections, tilt angle 2 x 45°



HB-G Hydro universal bucket with straight side cutting edge



Tilt head with embedded rotary motor (M)



Tilt head with large hydraulic cylinders (H)



Lehnhoff® Hydro-Universal Buckets for hydraulic excavators.

HB-R Hydro universal bucket with backhoe type bucket and curved side cutting edge.

Tilt bucket with 2 x 45° tilt angle and backhoe type bucket shape – ideal for medium and heavy excavations and material handling.

- Sturdy, robust bucket design for long service life:
 - Lehborit 5000 (500 HB) blade, 400 HB-steel side cutting edges
 - Projecting base protects outer welding seam
 - Good grading features with smooth, robust 400 HB-steel base
- Optional: Transverse wear plates on base (500 HB), standard from size HG30

HB-G Hydro universal bucket with straight side cutting edge.

Tilt bucket with 2 x 45° tilt angle and straight side cutting edge – ideal for excavation and creating slopes and embankments.

- Sturdy, robust bucket design with integrated rear blade and 2 robust inner ribs:
 - Lehborit 5000 (500 HB) blade, 400 HB-steel side cutting edges
 - Projecting base protects outer welding seam
 - Good grading features with smooth, robust 400 HB-steel base
- With water drain holes on either side
- Optional: transverse wear plates (500 HB) on base, standard from size HG30





HB-RH Hydro-Universal bucket and curved side cutting edge and hydraulic cylinders





HB-GMHydro-Universal bucket with straight side cutting edge and rotary motor

Hydro-Universal Buckets deliverable for all suspensions.

- Excavator direct suspension
- ► Lehmatic-quickcoupler MS/HS
- Variolock quickcoupler VL
- Liebherr quickcoupler SWA/Likufix
- Verachtert quickcoupler CW
- Oilquick quickcoupler OQ

	Туре	Excavator	Cutting width	Capacity	Weight	Blade
	Турс	class	[mm]	[m³]	ca. [kg]	[mm]
otor	HB15-RM/GM	10 – 15t	1400 1500	0,58 0,64	662 684	200 x 20
Ε	HB20-RM/GM	15 – 19t	1400 1500	0,72 0,78	870 905	200 x 25
tary	HB25-RM/GM	18 – 23t	1500 1600	0,90 1,00	1125 1180	200 x 25
2	HB30-RM/GM	22 – 28t	1500 1600	1,10 1,20	1385 1447	250 x 30
with	HB35-RM/GM	26 – 40t	1600 1800	1,85 2,11	1785 1910	300 x 40
lers	HB15-RH/GH	10 – 15t	1400 1500	0,68 0,73	695 705	200 x 20
cylinders	HB20-RH/GH	15 – 19t	1400 1500	0,80 0,87	740 760	200 x 25
	HB25-RH/GH	18 – 23t	1600 1800	1,20 1,37	1260 1345	200 x 25
hydraulic	HB30-RH/GH	22 – 28t	1600 1800	1,37 1,55	1355 1440	250 x 30
	HB35-RH/GH	26 – 40t	1800	1,85	1750	300 x 40
with	HB40-RH/GH	40 – 50t	1800	2,47	2270	300 x 40

Lehnhoff® Ditch Cleaning Buckets for hydraulic excavators.

Engineering and Design Based on Hands-On Applications.

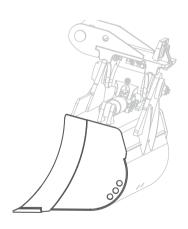
Grading, excavating, cleaning ditches, creating embankments and slopes, you name it, Lehnhoff has the right tilt bucket whatever the task. Choose from 3 different bucket shapes and 2 tilt drives (hydraulic cylinders or rotation motor) for the tilt bucket adapted to your requirements.

Tilt unit with hydraulic cylinders.

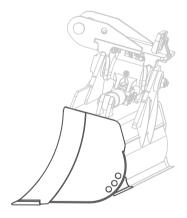
Robust long-life tilt head with 2 large hydraulic cylinders and piston rod protections, tilt angle 2 x 45°

Tilt unit with hydraulic rotation motor.

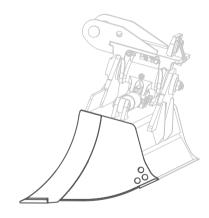
Extremely robust and compact tilt drive, fully sealed and protected, tilt angle 2 x 45°



HG-S compact, round shape



HG-S RS additionally with rear blade



HG-L long curved base



Tilt unit with hydraulic cylinders (H)



Tilt unit with hydraulic rotary motor (M)



Lehnhoff® Ditch Cleaning Buckets for hydraulic excavators.

HG-S Ditch cleaning bucket – with compact, round bucket shape.

Round-shaped ditch cleaning bucket with 2 x 45° tilt angle - ideal for excavating, handling material and cleaning ditches.

- Sturdy, robust bucket design for long service life:
 - Lehborit 5000 (500 HB) blade, 400 HB-steel side cutting edaes
 - Projecting base protects outer welding seam
 - ► Good grading features with smooth, robust 400 HB-steel base
- With water drain holes on either side

compact, round bucket shape

- Optional: rear blade (150 x 16 mm) for skimming or grading
- Optional: transverse wear plates (500 HB) on base, standard from size HG30



HG-L Ditch cleaning bucket – with long curved base.

Tilt bucket with 2 x 45° tilt angle and long curved base - ideal for grading and creating embankments and slopes.

- Sturdy, robust bucket design with integrated rear blade and 2 robust inner ribs:
 - Lehborit 5000 (500 HB) blade, 400 HB-steel side cutting edges
 - Projecting base protects outer welding seam
 - Good grading features with smooth, robust 400 HB-steel base
- With water drain holes on either side
- Optional: transverse wear plates (500 HB) on base, standard from size HG30



Ditch Cleaning Buckets deliverable for all suspensions.

- Excavator direct suspension
- ► Lehmatic-quickcoupler MS/HS
- Variolock quickcoupler VL
- Liebherr quickcoupler SWA/Likufix
- Verachtert quickcoupler CW
- Oilquick quickcoupler OQ



Ту	/pe	Excavator cat.	Cutting width [mm]	Capacity [m³]	Weight ca. [kg]	Blade [mm]
HG	15-S	10 – 15t	1800 2000	0,50 0,56	645 680	200 x 20
HG	20-5	15 – 19t	1800 2000	0,60 0,66	700 735	200 x 25
HG	25-S	18 – 23t	2000 2200 2400	0,86 0,95 1,04	915 955 995	200 x 25
HG	30-S	22 – 28t	2000 2200 2400	1,25 1,37 1,50	1350 1420 1500	250 x 30
HG	35-S	26 – 40t	2000 2200 2400	1,40 1,54 1,70	1500 1770 1890	300 x 40
HG	40-S	40 – 50t	2000 2200 2400	1,63 1,81 2,00	2090 2240 2420	300 x 40
HG	15-L	10 – 15t	1800 2000	0,50 0,56	700 735	200 x 20
HG	HG20-L 15 – 19t		1800 2000	0,60 0,66	740 785	200 x 25
HG	25-L	18 – 23t	2000 2200 2400	0,86 0,95 1,04	970 1015 1050	200 x 25
HG	30-L	22 – 28t	2000 2200 2400	1,13 1,26 1,38	1330 1385 1465	250 x 30
HG	35-L	26 – 40t	2000 2200 2400	1,37 1,52 1,68	1630 1750 1870	300 x 40
HG	40-L	40 – 50t	2000 2200 2400	1,62 1,80 1,98	2050 2200 2380	300 x 40

Lehnhoff® large excavator buckets.

Heavy-duty buckets for tough excavation work and quarrying.

Heavy duty bucket built for maximum breakout forces when digging out, loosening or loading natural soil on large construction sites or blasted rock in quarries. Available in HD (Heavy Duty) version and SH (Severe Heavy Duty) version.

Excavator SW-type Cutting width [mm]/Capacity direct [m³]/Capacity QC [m³]							
HTL 50	55 – 70t	HS40	1600/3,0/2,9	1800/3,5/3,3	2000/3,9/3,7	2200/4,4/4,2	
HTL 60	70 – 90t	HS80	1800/4,0/3,6	2000/4,4/4,1	2200/4,9/4,6	2400/5,5/5,0	
HTL 70	90 – 110t	HS80	1900/4,8/4,3	2000/5,3/4,8	2200/5,7/5,2	2400/6,3/5,8	2500/6,5/6,0
HTL 80	110 – 130t	HS100	1900/5,5/5,0	2000/5,8/5,3	2200/6,4/5,1	2400/7,0/6,5	2500/7,5/7,0

All values are general values and are dependent upon the bucket stick, the boom and the cutting edge.



HD: heavy duty design with 400 and 500 HB wear-resistant plates on the base



 $\ensuremath{\mathsf{SH}}\xspace$ severe heavy duty design additionally with shrouds for cutting and side edges

- Long service life and high torsion resistance due to robust weldments and function-specific selection of steels
- Wear protection parts of 400 and 500 HB high-carbon steels
- Wear resistance for SH version additionally with shrouds on cutting edges and side cutting edges as well as corner wear resistance shoes that protect the exterior of the base from abrasive rock
- Cutting edge in straight design, also available as trapezoidal or pointed cutting edge
- ► Tooth system and version as required
- With direct suspension or with Lehmatic quickcoupler system



Lehnhoff® bionic ripper teeth.

Lehnhoff's bionic ripper teeth – inspired by nature.

The bionically optimised ripper teeth from Lehnhoff stand for efficiency and stability when ripping and breaking rocks, stones and soils. The ripper teeth are particularly suited for all areas in which it is necessary to concentrate the application of force onto one tooth. The ripping teeth range offers the right size of teeth for all excavators with an operating weight of between 1 and 130 tonnes, whether for a mini-excavator for garden and landscape construction, or for large excavators in the mining industry.

Example areas of application.

- Loosening up of hard or frozen soil
- Demolition work
- Breaking of rocks and stones
- Breaking up street surfaces and concrete slabs
- Clearing work







	RZ 10	RZ 30	RZ 60	RZ 80	RZ 180	RZ 280	RZ 380	RZ 500	RZ 700	RZ 900	RZ 1300
Excavator cat.	- 1,8 t	- 3,5 t	- 6,0 t	- 12 t	- 19 t	- 28 t	- 40 t	- 50 t	- 70 t	- 90 t	- 130 t
QC-size	SW 01	SW 03	SW 03	SW 08	SW 10	SW 21	SW 25	SW 40	SW 40	SW 80	SW 100
Tooth radius [mm]	500	550	650	750	950	1150	1250	1350	1450	1550	1900
Weight [kg]	32	60	63	120	274	420	450	995	1050	2490	2690

Bionics - or what does an anteater have in common with a Lehnhoff ripper tooth?

Bionics is a combination of "Biology" and "Technical" and tries to express the idea of principles that have been derived from patterns found in nature being used in technical designs.

In the case of the ripper tooth design, particular attention was paid to the middle claw of the giant anteater which is used to, among others things, tear open termite mounds

The results for the Lehnhoff ripper tooth:

- Optimal penetration due to an improved design
- Increased resistance due to the optimal structure of the ripper teeth and distribution of material
- ► less wear and tear
- more cost-effective





Middle claw of the giant anteater



Lehnhoff[®] tooth systems, cutting edge steels and wear-protection.

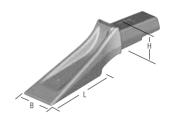
Forged, special-steel teeth.

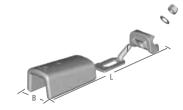
Lehnhoff teeth for backhoe buckets and buckets are included in our program as wear parts for all brands and applications. Dropforged and hardened, they withstand even the toughest loads.

Sleeved tooth for excavators and loaders, type F.

- ► One-piece, self-sharpening tooth
- Is inserted into the weld-on sleeve on the cutting edge and fixated with a cap and lock
- Smooth backhoe bucket or bucket base due to flush termination with the cutting edge bottom side







Sleeved tooth, type F

LH-No.	Weight [kg]	L [mm]	B [mm]	B1 [mm]	H [mm]
404	0,8	60	50	30	32
400	1,6	90	50	34	34
411	2,2	115	65	34	34

Sleeve

LH-Nr.	Сар	Weight [kg]		B [mm]	Tooth	Tooth lock
04		0,45	90	50	404	1005
11		1,1	125	60	400	1012
11		1.1	125	60	411	1012

Exclusively from Lehnhoff: Lehborit® 5000.

Wherever high wear resistance is demanded, the right answer is the special steel, Lehborit 5000, developed by Lehnhoff. High mechanical strength makes these rolled and 500 HR hardened wear-resistant steels from Lehnhoff your first choice when it comes to the manufacturing and repair of backhoe buckets and loader buckets.



Backhoe bucket with add-on cutter



Ditch bucket

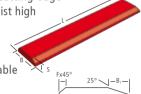


Backhoe bucket

Cutting edge steel Lehborit® 5000M.

For top-quality cutting edges: the universal cutting edge steel Lehborit 5000M: a perfect choice due to ist high strength and excellent wear characteristics.

- ▶ Rolled and hardened to 500 HB, with welding bevel
- Extremely wear-resistant and easily weldable
- Available from 16 50 mm thickness
- Also available as add-on cutter



-	25° \ -B1-

Lehhorit® 5000VS wear-resistant steel

To armor backhoe buckets and buckets: Lehborit 5000VS wear plates. The additional armoring with 500 HB significantly extends the service life of excavating attachments.

- 500 HB hard, extremely wear-resistant and easily weldable
- ► For bucket manufacturing and repair
- Available from 10 20 mm thickness

Backhoe buckets and loader buckets

Weight [kg/m]	B [mm]	S [mm]	S1 [mm]	B1 [mm]	Welding bevel F
17,8	150	16	4	25	5 x 45°
30,1	200	20	6	30	5 x 45°
37,3	200	25	8	37	5 x 45°
47,3	250	25	8	37	5 x 45°
56,1	250	30	10	44	8 x 45°
79,0	300	35	12	50	9 x 45°
89,8	300	40	14	55	9 x 45°
110,1	300	50	17	70	11 x 45°

Wear plates

Weight [kg/m]	B [mm]	S [mm]
7,9	100	10
11,4	120	12
9,5	80	15
17,8	150	15
23,7	150	20
31,5	200	20
17,8 23,7	150 150	20

Lehnhoff® service and repair.

Lehnhoff® repair work: You order, we weld.

Flame-cutting, bending, welding, armoring, laser- and drill center machining... From a worn-out cutting edge to a knocked-out pin: Lehnhoff professionally and reliably repairs all types of worn or damaged excavating attach-ments, according to the customer's requests and within the agreed time frame.

Backhoe bucket and loader bucket repair.

Repair and renewal of teeth, cutting edges, bases, side walls, wear-protection parts, and suspensions, including drill center machining.



Worn HD bucket of a 60 tonne mining excavator



With new base, blade, teeth and wear protection after repair work



Lehnhoff® service and repair.

Repair and complete overhaul of Lehmatic®- quickcouplers.

Time is money: Lehnhoff's well-trained specialists ensure that damaged Lehmatic® quickcouplers are back on the job in no time at all.



Quickcoupler refurbished inside



Lehmatic® claws are machined to the initial rated dimensions on a drill center after fresh layers ofmaterial have been welded onto them

Lehnhoff service: bucket modification for the Lehmatic®-quickcoupler system.

Lehnhoff supports customers, who have opted for the Lehmatic® quick-coupler system, in retrofitting their attachments. Our experienced service team mounts the adapter plates reliably, in short time.









Other bucket make equipped with Lehmatic® system

Repair of clamshell buckets and grapples.

Repair and renewal of teeth, cutting edges, and side walls, clamshells, suspended frames and clamshell suspensions, and bearings.



Conversion of usual clamshell grab



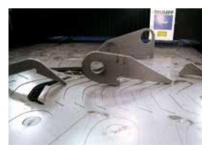
To heavy duty version for cleaning river beds

Flame-cut parts and laser blanks.

Manufacturing of flame-cut parts and laser blanks, rolled base elements and wear-protection sets for backhoe bucketsand buckets. Additionally, sheet-metal of high-carbon steel as per dimensional specifications, sketches or CAD drawings.



100 % laser cutting quality



Laser and flame cutting to your specifications and drawings

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Dealers/partners

