

FOREST TECHNOLOGY

LASCO





LASCO



LASCO

Photos, videos and configurations! Now online under:
www.kegelspalter.com/en

Buy cone splitters online!

For a decade, we develop and build cone splitters for splitting oversized woods. Meanwhile, our cone splitters are distributed all over the world, where they achieve great things!

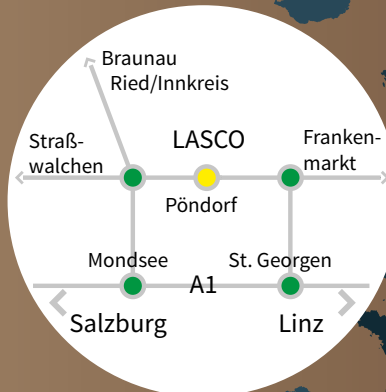
→ Go to products

Configure Your cone splitter online

Configure Your cone splitter model

Your way to us:

LASCO Heutechnik GmbH
Lascostraße 1
A-4891 Pöndorf (near Salzburg)
Telefon: +43 (0)7684 / 21666-0
Fax: +43 (0)7684 / 21666-4
E-Mail: office@lasco.at
Web: www.lasco.at
www.kegelspalter.com



This is LASCO	03
Original LASCO Cone wood splitters	04
Technical Data	08
Cone wood splitter attachments	10
Cone wood splitters Pictures	12
Timber grabbers	14
Rotators	16
Popular accessory	18
LASCO Wood drying	19



This is LASCO

Since 1987, we construct and we sell quality machines that are now exported in the whole world as a family business in the heart of the Austrian hay region.

Our own research and development have resulted in recent years innovations, which has made us a leader in our product categories.

Together with our partner companies, research centers and partners we manage to bring customer requirements directly into the product line. As a result we can offer technically advanced devices, convincing with a good price performance ratio, reliability and functionality.

We are convinced that genuine innovations and ideas are created where they are needed - in practice. For this reason, we work very closely with our customers. Thus arose a remarkable range of products consisting of:

- Forest Technology
- Drying Technology
- Hay Technology
- Heating Technology

Our products are manufactured in over 18,000 m² of production and warehouse space. All spare parts from the last 30 years are kept in stock, thus eliminating irritating delays.

If we have piqued your interest with our products, please visit us in Internet at www.lasco.at or contact our staff by phone

Sincerely

A handwritten signature in black ink that reads 'Johannes Landrichinger'.

Johannes Landrichinger



The simplest and most economical solution for splitting large timber and root stumps!



Splitting and manipulating in one operation!

LASCO CONE WOOD SPLITTER Patent and trademark protected

The patented LASCO wood cone splitter is available in 30 types from single motored to twelve-motored versions.

It fits on almost any carrier vehicle with a hydraulic system (E.g. excavator, chipper, mini excavator, Hoftrac, tractor, timber crane, hay excavator, etc).

Through its particularly robust and compact design it has become a very helpful, reliable, and indispensable helper.

The Lasco wood splitter is ideal for forest cooperatives through its quick change systems and the bolted contact plate.

The large cone diameter makes knotty and twisted wood easy to split!



Facts:

- 30 different models
- 1 to 12 motored versions
- Connection to many machines
- Use with cone tip up or down
- High splitting performance
- Tested to 30 t excavator
- Oversized execution of all stress parts - very low maintenance costs



The threaded cone screws into the tree trunk and splits it open.



The advantages

Remarkable advantages can be found in all of our cone splitters. Benefits that accelerate your work significantly and make it substantially safer. The highest quality workmanship ensures low wear and operating costs.

own moulds

A significant advantage over conventional cone splitters is the way the drill cone is produced. We use our own moulds and can thus use special alloys. The total weight of the cone splitter is massively reduced by simultaneous higher quality and thus the operating lifetime significantly improved.

4-fold calorific value - great product range!

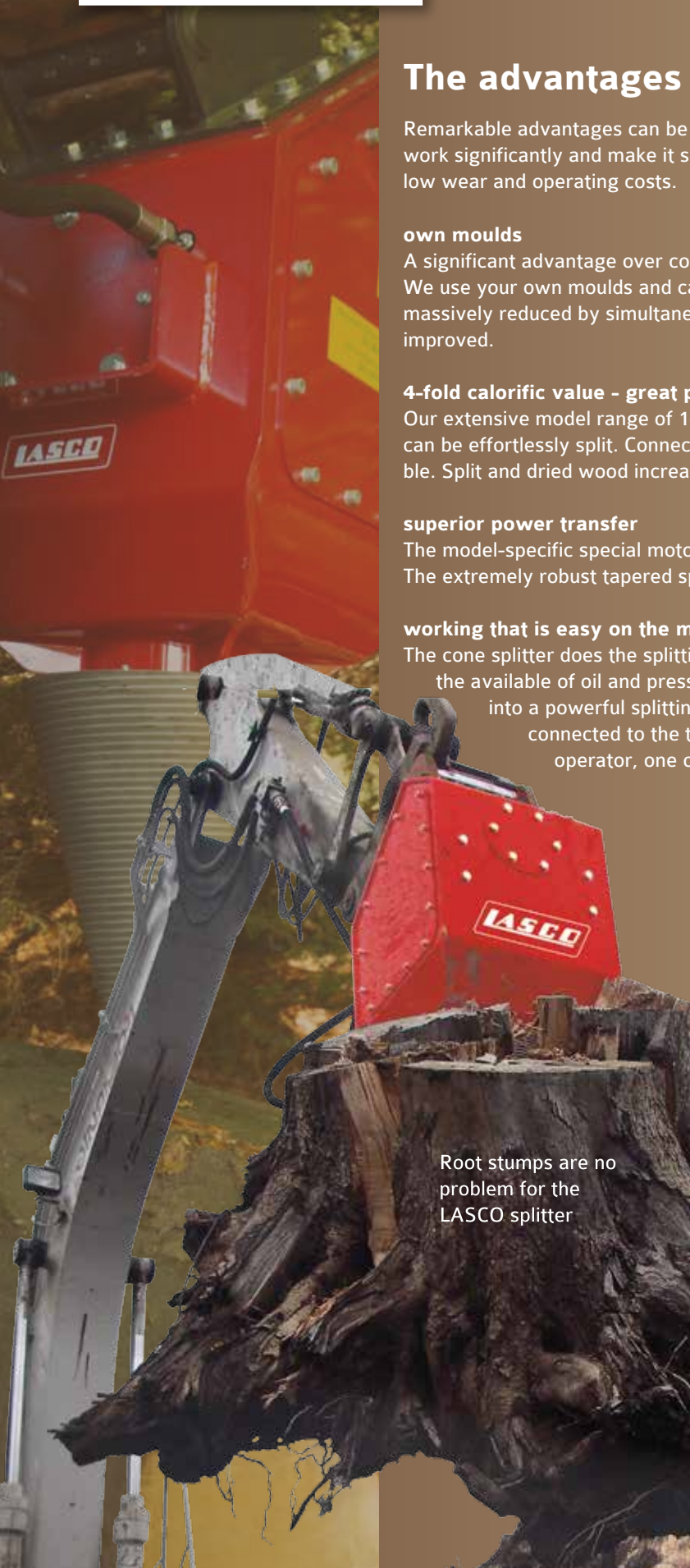
Our extensive model range of 1-12 motors guarantees that even the thickest and longest logs can be effortlessly split. Connection to any carrier vehicle with independent hydraulics is possible. Split and dried wood increases the calorific value 4-fold.

superior power transfer

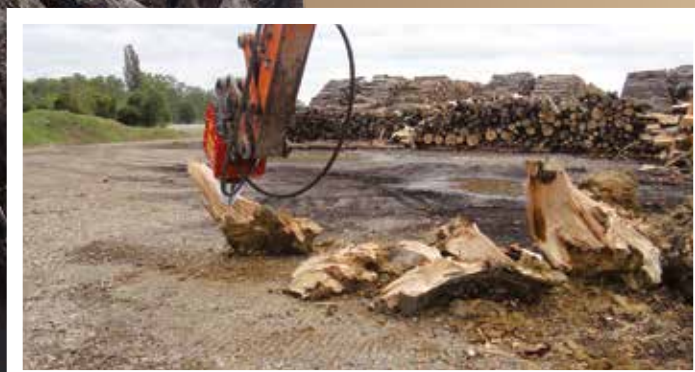
The model-specific special motors and the splitter gearbox guarantee high power transmission. The extremely robust tapered spherical roller bearings ensure maximum longevity.

working that is easy on the machine

The cone splitter does the splitting of the wood - not the carrier machine. Suitably matched to the available oil and pressure performance, each carrier machine is transformed into a powerful splitting tool. Since the cone splitter is not, as used to be the case, connected to the tractor PTO, but carries out its work at a safe distance from the operator, one can reduce the risk of accidents to an absolute minimum.



Root stumps are no problem for the LASCO splitter



LASCO CONE SPLITTER



Material from the mining industry

Our cone splitters are wear resistant and low maintenance. We use the highest quality materials that are otherwise only used in underground mining (mining and tunnel construction).



This material quality makes contracting/rental possible. Thanks to the universal contact plate the cone splitter optimal for forest cooperatives.

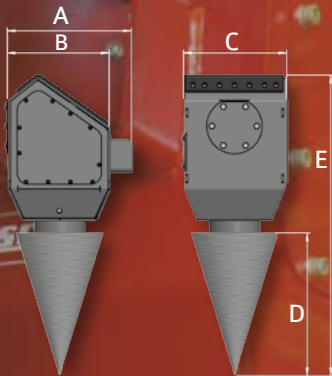


Due to the wide product range, the LASCO cone splitter can be successfully used on almost every carrier vehicle with hydraulics.

LASCO CONE WOOD SPLITTER

Patent and trademark protected

Dimensions



Both small forest managers and enterprise contractors rely on this proven and stable splitting technique. Over 8000 LASCO splitters throughout Europe, Canada and the United States have already established themselves in the market bringing maximum benefit and comfort to the forestry sector.

Roli 2.8, Roli 4.0, Roli 4.7	
A:	358 mm
B:	326 mm
C:	312 mm
D:	340 mm
E:	847 mm

Roli10.0	
A:	371 mm
B:	325 mm
C:	311 mm
D:	343 mm
E:	972 mm

Roli 10.0 K	
A:	371 mm
B:	325 mm
C:	311 mm
D:	465 mm
E:	1084 mm

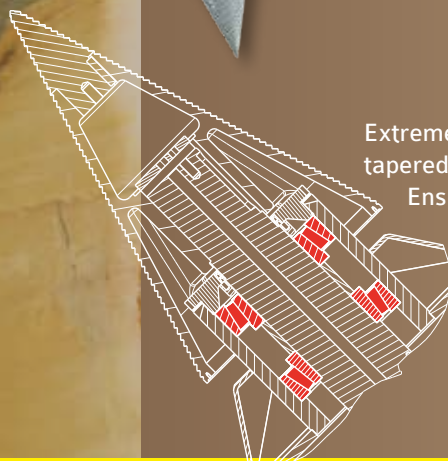


M1-2.8K, M1-4.0K, M2-2.8K, M2-4.0K, M2-4.7K	
A:	445 mm
B:	345 mm
C:	361 mm
D:	489 mm
E:	1075 mm

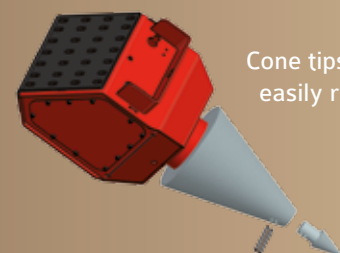
M2-2.8KS, M2-4.0KS, M2-4.7KS	
A:	445 mm
B:	345 mm
C:	365 mm
D:	644 mm
E:	1147 mm

M2-2.8S, M2-4.0S, M3-2.8S, M3-4.0S, M3-4.7S	
A:	560 mm
B:	460 mm
C:	465 mm
D:	644 mm
E:	1356 mm

M2-2.8M, M2-4.0M, M3-2.8M, M3-4.0M, M3-4.7M	
A:	575 mm
B:	475 mm
C:	475 mm
D:	489 mm
E:	1282 mm

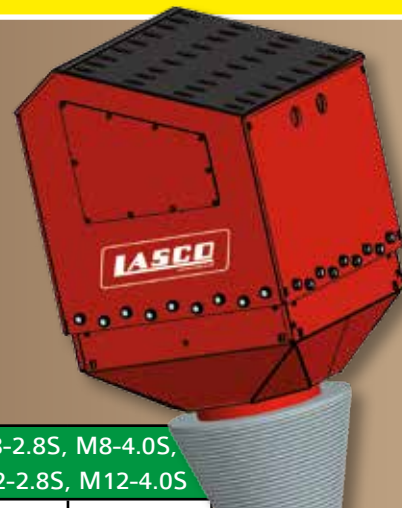


Extremely robust tapered barrel roller bearings Ensure maximum durability.



Cone tips can be easily replaced.

TECHNICAL DATA



M5-2.8S, M5-4.0S, M5-4.7S	
A:	675 mm
B:	575 mm
C:	563 mm
D:	644 mm
E:	1499 mm

M5-2.8S XL, M5-4.0S XL, M5-4.7S XL	
A:	700 mm
B:	640 mm
C:	640 mm
D:	1062 mm
E:	1917 mm

M8-2.8S, M8-4.0S, M12-2.8S, M12-4.0S	
A:	980 mm
B:	898 mm
C:	915 mm
D:	1038 mm
E:	2369 mm

Model	Oil capacity	Typical applica- tion weight	Wood		Weight
			Length	Ø	
Roli					
2.8	4.0	4.7	10.0		
✓	✓	✓			15 - 80 l/min. 1,3 - 5,0 to. 200 mm 70 cm ca. 80 kg.
			✓		30 - 120 l/min. 2,0 - 8,0 to. 300 mm 90 cm ca. 120 kg.
			✓	K	30 - 120 l/min. 2,0 -8,0 to. 300 mm 100 cm ca. 130 kg.
1-motorig (M1)					
✓	✓	✓		K	30 - 70 l/min. 2,5 - 7,0 to. 300 cm 90 cm ca. 135 kg.
2-motorig (M2)					
✓	✓	✓		K	15 - 50 l/min. 3,0 - 8,0 to. 400 cm 90 cm ca. 173 kg.
✓	✓	✓		M	60 - 120 l/min. 4,0 - 8,0 to. 400 cm 90 cm ca. 230 kg.
✓	✓	✓		S	60 - 120 l/min. 5,0 - 15,0 to. 400 cm 110 cm ca. 320 kg.
✓	✓	✓		KS	15 - 50 l/min. 4,0 - 10,0 to. 400 cm 100 cm ca. 224 kg.
3-motorig (M3)					
✓	✓	✓		M	90 - 160 l/min. 7,0 - 19,0 to. 500 cm 150 cm ca. 300 kg.
✓	✓	✓		S	80 - 150 l/min. 7,0 - 20,0 to. 500 cm 150 cm ca. 400 kg.
5-motorig (M5)					
✓	✓	✓		S	120 - 250 l/min. 10,0 - 25,0 to. 700 cm 200 cm ca. 600 kg.
✓	✓	✓		XL	120 - 250 l/min. 10,0 - 25,0 to. 700 cm 200 cm ca. 750 kg.
8-motorig (M8)					
✓	✓			S	220 - 280 l/min. 20,0 - 35,0 to. 900 cm 250 cm ca. 1950 kg.
12-motorig (M12)					
✓	✓			S	350 - 600 l/min. 26 - 40 to. 1000 cm 270 cm ca. 2500 kg.

Motorisation	
Motor	max. working pressure
2.8	230 - 270 bar
4.0	200 - 230 bar
4.7	170 - 190 bar
10.0	170 - 190 bar

Legend	
K	small housing
M	medium-sized housing
S	strengthened model, larger cone
KS	small housing, larger cone
XL	extra large cone

One Cone Splitter - many options!

With the LASCO Cone Splitters you will not only split wood! Diverse attachments transforms the Cone Splitter quickly into a machine with true multiple benefits - thanks to the quick-change system!



The attachments are designed to get even more out of the cone splitter. For this reason, we have designed a quick-change system for the ROLI series.

To ensure that all LASCO cone splitter models can take advantage of the attachments, an adapter is available for all other versions.



The LASCO stump grinder is designed to break down roots, so forest soil can be prepared again for replanting.

A total of nine hardened blades find place on the accessory. In case of an extreme situation where the blades lose their edge, the blades can simply be reversed.



The LASCO weed brush is a reliable device for removing weeds and wild growth e.g. on cobblestones, footpath edges, or parking areas.

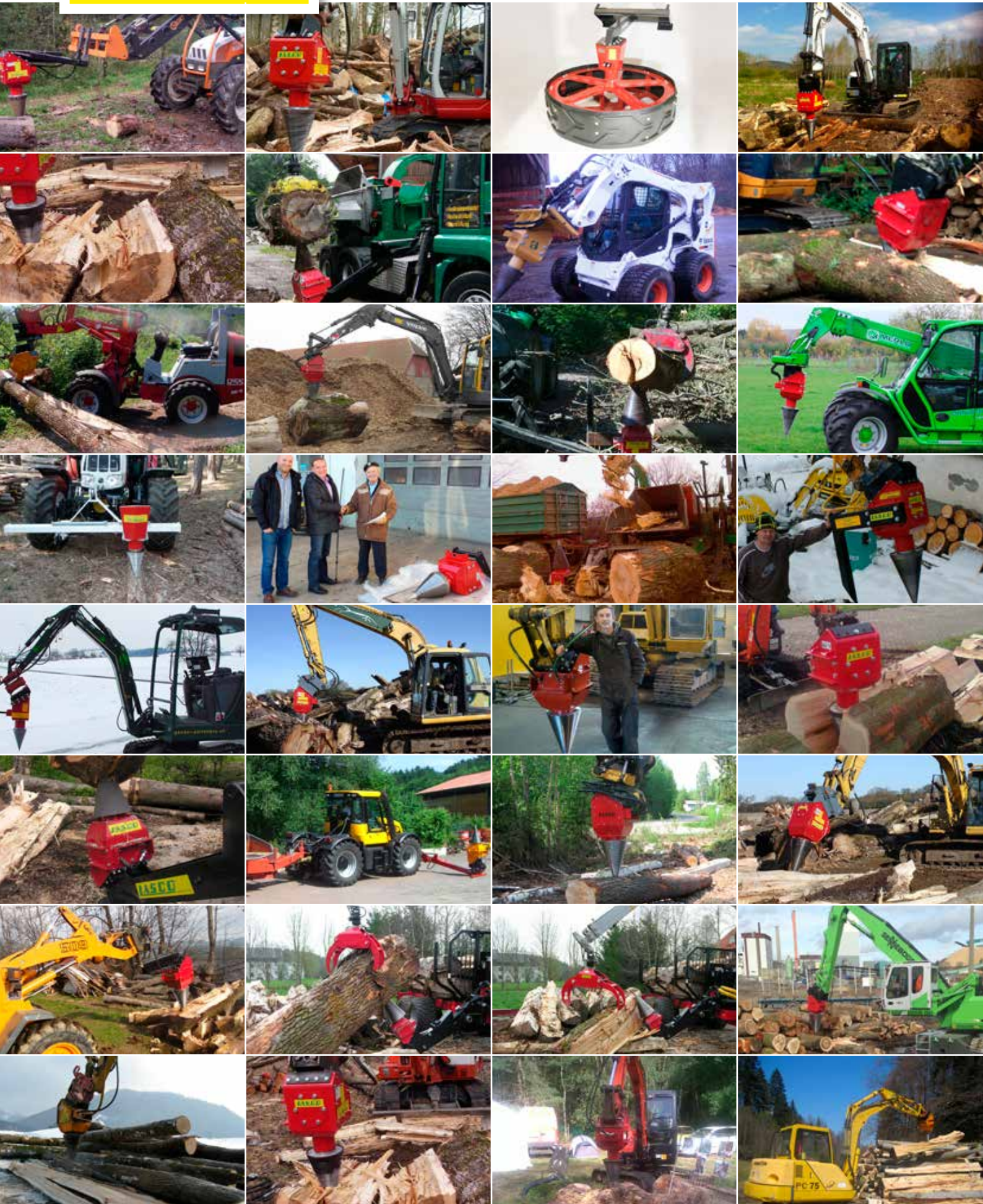
By adjusting the height, the pressure on the ground to be cleaned can be adjusted infinitely. All brushes are replaceable and extremely robust.



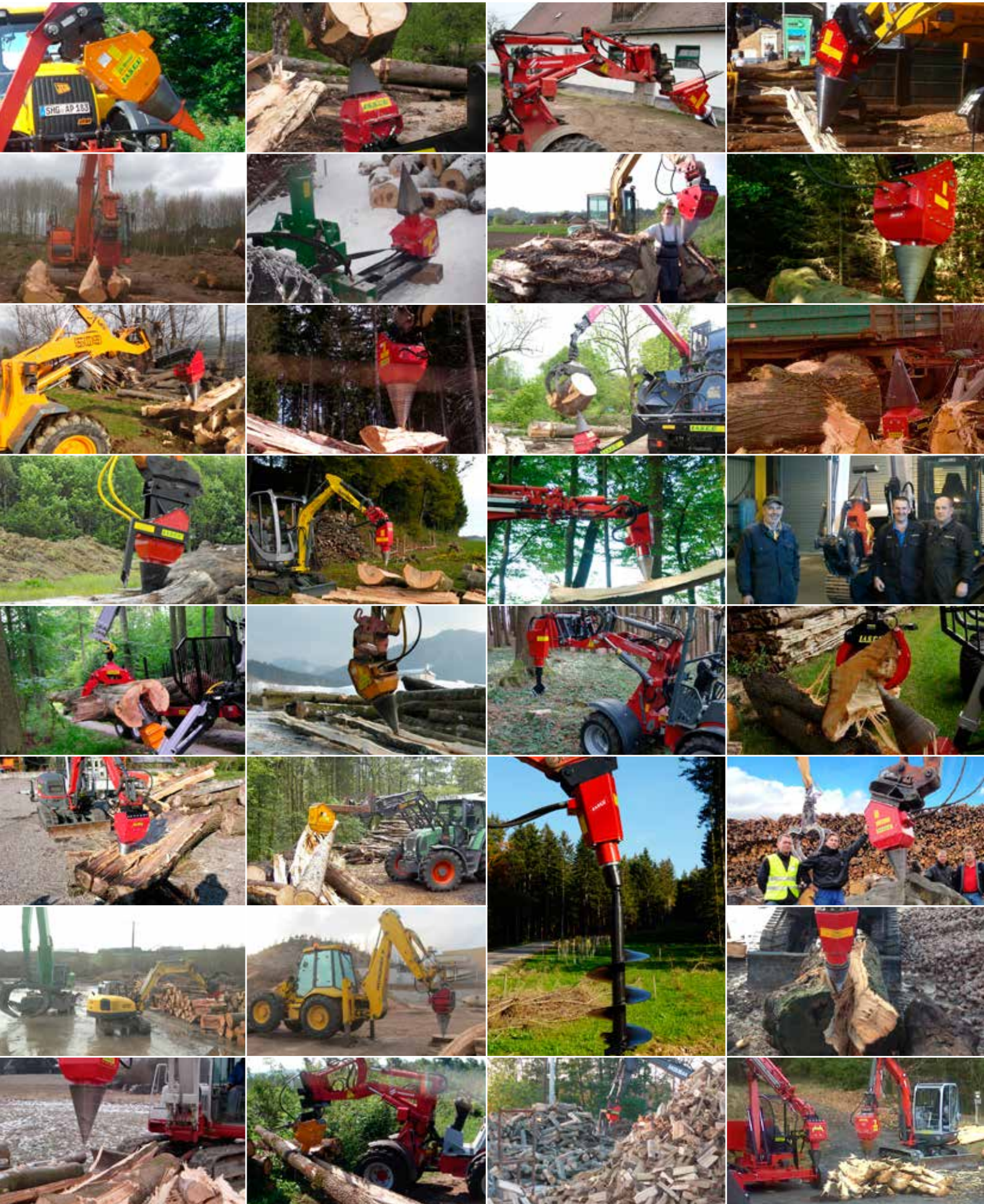
Cone wood splitter attachments



- 1** LASCO Centrifugal Broom - for cleaning paving and sidewalks. Wear-resistant and with replaceable brushes, 1200 mm Ø
- 2** LASCO Weed Brush - reliable removal of sharp weeds and wild growth, 40 brush heads, wear-resistant and replaceable brushes, 600 mm Ø
- 3** LASCO Rotary Cultivator - for decompaction work of soil or removing root plexuses, Tines of high-strength steel, 500 mm Ø
- 4** LASCO Quick-Change System - no additional adapters are required
- 5** LASCO Stump Milling Cutter: 235 mm Ø, 9 hardened blades, which are applicable for both sides and regrindable
- 6** LASCO Auger with hard metal teeth from 60 mm up to 450 mm Ø



CONE WOOD SPLITTER PICTURES





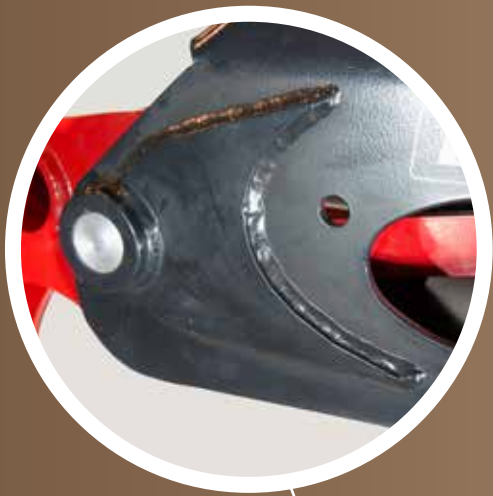
Grip	Weight	Cylinder clamping power
LA100-HZ	69 kg	80 kN
LA120-HZ	82 kg	105 kN
LA140-HZ	139 kg	105 kN
LA140-EZ	169 kg	105 kN
LA170-DZ	260 kg	155 kN
LA180-HZ	179 kg	105 kN
LA200-DZ	365 kg	155 kN



LASCO LOG GRIPS

Our log grips are made in modular design and over-dimensioning of all highly stressed parts (e.g. cylinder double, guide rods, bearings) and are extremely robust due to the use of HARDOX.

Grease nipple protection and powder coating isn't missing either! All log grips have a universal hole pattern for rotator connection. An adapter is available for bolted rotators!



extra strong version

universal hole pattern

double parallel rods

box construction

Galvanized and full-length shaft

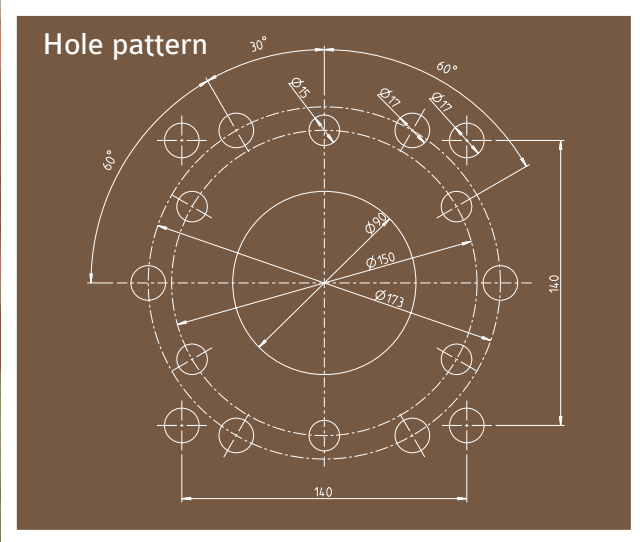


Lubrication nipple protection

isosceles opening

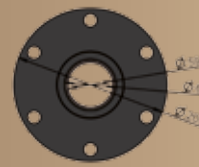
Hardox gripper jaws

LASCO LOG GRIP ACCESSORIES



Pendulum adapter

Bolt adapter



Type	FHR 3.000 SF	GR 46	GR 463	GR 105 DB
Rotation range:	endless	endless	endless	endless
max axial load:	3,0 t. / 30 kN	4,5 t. / 45 kN	4,5 t. / 45 kN	10 t. / 100 kN
Optimal litre output:	20 l/min	20 l/min	20 l/min	30 l/min
Weight:	25 kg	23 kg	27 kg	62 kg
Attachment:	140 x 140 mm Bore 4 x Ø 17 mm	Bolzen Ø 59 mm	Bolt circle Ø 173 mm Bore 4 x Ø 17 mm	Bolt circle Ø 173 mm Bore 6 x Ø 17 mm
max. operating pressure:	250 bar	250 bar	250 bar	250 bar
Torque at 250 bar:	900 Nm	1200 Nm	1200 Nm	2700 Nm

LASCO ROTATORS

We see not only the machine itself but also the rotator used, as the core element of the equipment. This must be able to withstand our highest-standard requirements in both its reliability and quality of workmanship. As a defect in the rotator means much of the work will be delayed or even stopped, we rely on well-known, leading and reputable manufacturers from northern Europe.

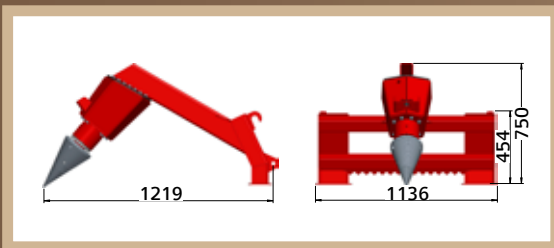
The following rotators have passed our screening process and are ideal in combination with our carrier machines.



Type	GR 16S	CPR 5	CPR 9
Rotation range:	endless	endless	endless
max axial load:	16 t. / 160 kN	5 t. / 50 kN	9 t. / 90 kN
Optimal litre output:	40 l/min	30 l/min	30 l/min
Weight:	71 kg	45 kg	86 kg
Attachment:	Bolt circle \varnothing 173 mm Bore 6 x \varnothing 17 mm	Bolt circle \varnothing 198 mm Bore 4 x \varnothing 17 mm	Bolt circle \varnothing 270 mm Bore 8 x \varnothing 17 mm
max. operating pressure:	250 bar	250 bar	250 bar
Torque at 250 bar:	3400 Nm	1350 Nm	3000 Nm

LASCO cone splitter on mounting frame

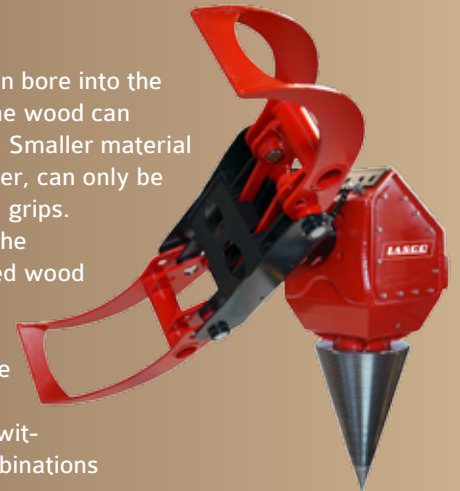
This mounting frame can be equipped with all small cone splitter types and is also suitable for fitting log grips and rotators. The mounting frame can also be equipped with one cone splitter.



Cone splitter with attached wood grips

Since the cone splitter can bore into the wood like a corkscrew, the wood can be so easily manipulated. Smaller material such as branches, however, can only be manipulated with a wood grips. For this reason, there is the cone splitter with attached wood grips.

For this purpose, the cone splitter is additionally fitted with an electrical switching valve. Various combinations are available.



Mobile plate for the cone splitter

For years we have attached the cone splitter on the A support of log trailers. The advantage of this is that over dimensioned wood can be split directly in the forest. For those who use the cone splitter in a forest cooperative or need to change the log trailer often, there is now the mobile plate for cone splitters.

The mobile plate is intended for splitting while free-standing or weighted down with a log trailer support leg. Unlike the fixed installation, the plate with mounted cone splitter can also be lent out and is an ideal complement to a forest cooperative. Even if the log trailer needs to be changed, the mobile plate with cone splitter can continue to be used.



The hydraulic hoses are protected.

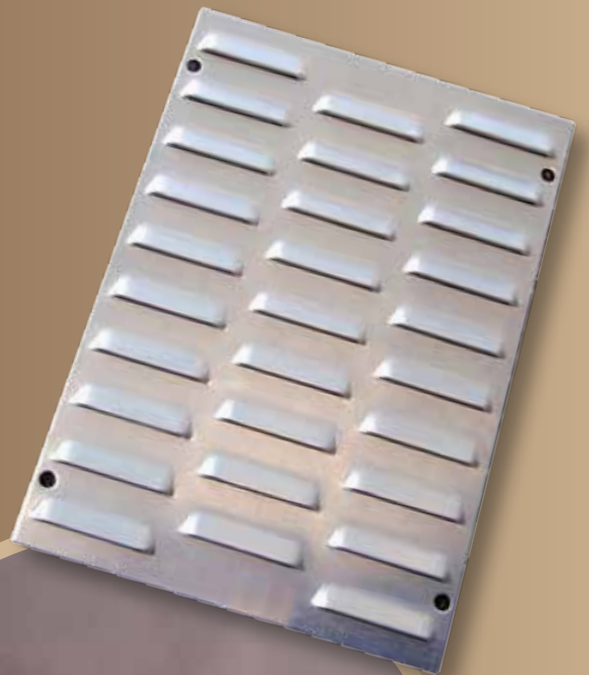
Balanced load hook.

LASCO WOOD DRYING

Wood is the energy source of the future. The drier wood is fired, the higher the energy value. Thus fresh forest wood per kilo offers just a calorific value of 2 kW/h. If, however, the wood is dried to a residual moisture content of <20%, the calorific value is approx. 4 kW/h.

The low investment costs make wood drying additionally attractive. As a result, traditional systems such as drying by spontaneous heat are becoming obsolete (-2% calorific value loss per month through microorganisms).

We have developed several methods for perfectly drying even your wood.



LASCO gill plate is made of 3mm galvanised sheet, is transportable and available in many variations.

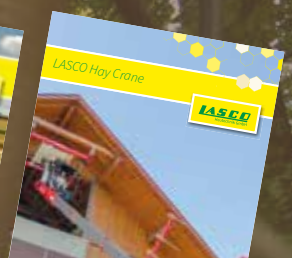


Container drying - also equipped with gill plate and heated with a Landritherm LA 250 woodchip furnace.



LASCO

Additional brochures are available at: www.lasco.at/



Your local contact:



LASCO Heutechnik GmbH
Lascostraße 1 (near Salzburg)
A-4891 Pöndorf
Telefon: +43 (0)7684 / 21666-0
Fax: +43 (0)7684 / 21666-4
E-Mail: office@lasco.at
Web: www.lasco.at
www.kegelspalter.com

Brochure 2016 / Edition 1

All alterations, mistakes, printing and typesetting errors reserved. Pictures and drawings are schematic in nature. Technical alterations are reserved in the sense of further developments.