PLOUGHS
MOUNTED REVERSIBLE PLOUGHS
PLOUGHS
PACKERS

PLOUGHS FOR ALL THE REQUIREMENTS AND CONDITIONS OF USE

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INHALTSVERZEICHNIS

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THE PROVEN REVERSIBLE MOUNTED PLOUGH WHICH IS SIMPLE AND EASY TO USE

The RABE Albatros with the models 110 MS and 120 M provides a robust and proven plough for the smaller and medium-sized farm.

STANDARD EQUIPMENT

- four-stage working width adjustment
- hydraulic alignment during turnover (standard on 5-furrows)
- Plasmabid hard coating shares

The proven reversible mounted plough which is simple and easy to use the Rabe Albatros with the models 110 MS and 120 M provides a robust and proven plough for the smaller and medium-sized farm.

<table>
<thead>
<tr>
<th>Model</th>
<th>Width</th>
<th>Furrow Width</th>
<th>Working Width</th>
<th>Configuration</th>
<th>Power Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>110</td>
<td>100mm</td>
<td>100x100mm</td>
<td>3-5</td>
<td>S</td>
<td>80-111 kW</td>
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<tr>
<td>110 M</td>
<td>100mm</td>
<td>110x110mm</td>
<td>3-5</td>
<td>HA</td>
<td>80-111 kW</td>
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<tr>
<td>120</td>
<td>100mm</td>
<td>120x120mm</td>
<td>3-6</td>
<td>S</td>
<td>96-147 kW</td>
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<tr>
<td>120 M</td>
<td>100mm</td>
<td>120x120mm</td>
<td>3-5</td>
<td>HA</td>
<td>96-125 kW</td>
</tr>
</tbody>
</table>

Simple expandability of the plough by an extra rear furrow.

Easy configuration of line adjustment strut (1) and front furrow width by lateral displacement (2).

Furrow with four-step working width adjustment (35, 40, 45 and 50 cm).

Stone protection via shear bolts.

Proven Rabe system: hydro-avant hydraulic stone protection.
Albatros Variant

The proven mounted plough Albatros with hydraulically adjustable working width

The Rabe Albatros with the VARIANT working width adjustment is the comfortable solution for professional ploughing to medium-sized farms.

Standard Equipment

- Hydraulic working width, from ca. 32 to 52 cm
- Plasmabid hard coating of plough shares

Table working width

<table>
<thead>
<tr>
<th></th>
<th>120mm</th>
<th>120x120mm</th>
<th>3-5</th>
<th>97cm</th>
<th>80cm</th>
<th>S</th>
<th>96-125 Kw</th>
<th>130-170 HP</th>
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<tr>
<td>V120</td>
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<td></td>
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<td>VHA120</td>
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<td></td>
<td></td>
<td>HA</td>
<td>111-125 Kw</td>
<td>150-170 HP</td>
</tr>
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</table>

Mounted ploughs with variable working width

for tractors to ca. 125 Kw (170 HP)
THE STRONG MOUNTED PLOUGH WITH A PROVEN DESIGN

With the Super-Albatros 140 and 160 Rabe presents robust and proven models for the medium and larger farms.

STANDARD EQUIPMENT

- four-stage working width adjustment
- hydraulic alignment during turnover (standard on 5-furrows)
- Plasmabid hard coating shares

<table>
<thead>
<tr>
<th>Model</th>
<th>Plow Width</th>
<th>Furrow Width</th>
<th>Working Width</th>
<th>Stone Protection</th>
</tr>
</thead>
<tbody>
<tr>
<td>140</td>
<td>120 mm</td>
<td>140 x 140 mm</td>
<td>4 - 6</td>
<td>S</td>
</tr>
<tr>
<td>HA 140</td>
<td>120 mm</td>
<td>140 x 140 mm</td>
<td>4 - 6</td>
<td>HA</td>
</tr>
<tr>
<td>160</td>
<td>120 mm</td>
<td>160 x 160 mm</td>
<td>4 - 6</td>
<td>S</td>
</tr>
<tr>
<td>HA 160</td>
<td>120 mm</td>
<td>160 x 160 mm</td>
<td>4 - 5</td>
<td>HA</td>
</tr>
</tbody>
</table>

140 120mm 140x140mm 4 - 6 100cm 80cm S 147 - 177kW 200 - 240HP
HA 140 120mm 140x140mm 4 - 6 100cm 80cm HA 147 - 177kW 200 - 240HP
160 120mm 160x160mm 4 - 6 100cm 80cm S 162 - 198kW 220 - 270HP
HA 160 120mm 160x160mm 4 - 5 100cm 80cm HA 162 - 177kW 220 - 240HP

Mounted ploughs for tractors to ca. 200 KW (270 HP)
THE PROVEN MOUNTED PLOUGH SUPER-ALBATROS WITH HYDRAULIC WORKING WIDTH ADJUSTMENT

The Rabe Albatros with the VARIANT working width adjustment is the professional solution for ploughing to medium-sized farms.

STANDARD EQUIPMENT

- hydraulic working width, from 32 to 52 cm
- automatic closing down device
- Plasmabid hard coating of plowshares

| V 140 | 120mm | 140x140mm | 4 - 6 | 100cm | 80cm | S | 147 - 177kW 200 - 240HP |
| VHA 140 | 120mm | 140x140mm | 4 - 5 | 100cm | 80cm | HA | 147 - 162kW 200 - 220HP |
| V 160 | 120mm | 160x160mm | 4 - 6 | 100cm | 80cm | S | 162 - 198kW 220 - 270HP |

Hydraulic adjustment of working width of 32 to 52 cm.

All pivot points are equipped with solid bushings and a long working life.

Change of working width does not require any adjustment of first furrow and true line.

No moving of the bodies during turnover, because of the alignment cylinder. This reduces the turning points in motion for less wear. Standard from up 5 - furrows.

Heavy mounted ploughs with variable working widths for tractors to ca. 200 kW (270 HP)
THE MOUNTED PLOUGH IS A SOLID AND PROVEN DESIGN FOR WORKING IN - THE - FURROW

The RABE Kormoran SF 180 represents a robust and simple semi-mounted plough, designed for use on larger farms. This value was deliberately set to a simple and proven design.

STANDARD EQUIPMENT

- working width adjustment in five steps
- hydraulic turnover via rack and pinion
- front furrow width adjustment via rail
- mechanical adjustment of the front furrow width
- wide wheel (500/45 x 22.5) possible within the working width
- chassis suspension
- Plasmabid hard coating of plough shares

| SF 180 | 180x180mm | S - 9 | 100cm | 80cm | S | F | 162 - 220kW 220 - 300HP |
| SF HA 180 | 180x180mm | S - 8 | 100cm | 80cm | HA | F | 162 - 220kW 220 - 300HP |

Bracket with five-stage working width (30, 35, 40, 45 and 50 cm).

Simple stone protection on shear bolts or hydraulic auto reset.

Controlled turnover without top dead center by the rack and pinion.

Simple expandability of the plough with an additional rear furrow. (necessary if the wheel track is to be ploughed).

Easy expandability of the plough with an additional middle furrow. Allows the possibility of future expansion up to 9 furrows (8-furrow with hydraulic auto reset).
THE SEMI MOUNTED PLough FOR THE DISCERNING

With its two model ranges PF = in the furrow and PL = on - land AND in - the - furrow the Kormoran premium represents a semi-mounted plough which has been designed using high levels of technical innovation for demanding applications on larger farms or for contractors.

STANDARD EQUIPMENT

- available with manual or hydraulic working width adjustment (Variant)
- to work in the furrow (Kormoran PF) or both on-land and in the furrow (Cormorant PL)
- hydraulic turnover by rack and pinion
- hydraulic adjustment of the first furrow width
- big wheel (diameter 122 cm!)
- within the possible working width
- chassis suspension
- Plasmabid hard coating of plough shares

<table>
<thead>
<tr>
<th>Model</th>
<th>Working Width</th>
<th>Furrow Width</th>
<th>Spacing</th>
<th>Fertilizer</th>
<th>Engine Power</th>
</tr>
</thead>
<tbody>
<tr>
<td>PF</td>
<td>180 x 180mm</td>
<td>5-9</td>
<td>100cm</td>
<td>80cm</td>
<td>S F</td>
</tr>
<tr>
<td>PFHA</td>
<td>180 x 180mm</td>
<td>5-8</td>
<td>100cm</td>
<td>80cm</td>
<td>HA F</td>
</tr>
<tr>
<td>PV</td>
<td>180 x 180mm</td>
<td>5-8</td>
<td>100cm</td>
<td>80cm</td>
<td>S F</td>
</tr>
<tr>
<td>PVHA</td>
<td>180 x 180mm</td>
<td>5-8</td>
<td>100cm</td>
<td>80cm</td>
<td>HA F</td>
</tr>
<tr>
<td>PL</td>
<td>180 x 180mm</td>
<td>5-8</td>
<td>100cm</td>
<td>80cm</td>
<td>S F/L</td>
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<tr>
<td>PLHA</td>
<td>180 x 180mm</td>
<td>5-8</td>
<td>100cm</td>
<td>80cm</td>
<td>HA F/L</td>
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<tr>
<td>PLV</td>
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<td>5-8</td>
<td>100cm</td>
<td>80cm</td>
<td>S F/L</td>
</tr>
<tr>
<td>PLVHA</td>
<td>180 x 180mm</td>
<td>5-8</td>
<td>100cm</td>
<td>80cm</td>
<td>HA F/L</td>
</tr>
</tbody>
</table>

Option for front and rear expansion by one extra furrow.

Robust double joint for setting the first furrow width or the on-land version. While ploughing "in the furrow" it is possible to 'slip' the first furrow (very useful in difficult conditions).

Front depth guide wheels for working on land.

Big dimensioned wheel provides high directional stability, directs with the turning.

The Kormoran in on-land version can either plough on-land or in-the-furrow.
THE SEMI MOUNTED TWIN WHEEL PLOUGHS FOR HIGH OUTPUT AND GREAT PERFORMANCE

With its solid frame construction and a proven design the Marabu guarantees a high performance for both: quantity and quality of work.

STANDARD EQUIPMENT

› manual working width adjustment in five steps (30 bis 50 cm)
› to work in-furrow (Marabu F) or both on-land and in the furrow (Marabu L)
› hydraulic turnover by rack and pinion
› hydraulic adjustment of the first furrow width
› chassis suspension
› Plasmabid hard coating of plowshares

Twin wheel ploughs
for tractors to ca. 360 KW (500 HP)
**THE PLOUGHS SOUL IS IT’S BODY**

To fulfill all the tasks with the best results, a plough needs to have perfectly suited bodies to the soil. To produce such bodies there is a need for expertise in the fields of metallurgy, engineering, and fluid mechanics. And besides know-how RABE has much experience: Since 1892 RABE manufactures its own bodies - a guarantee for consistent quality of materials and workmanship.

Traditional solid steel body RABE-Quality
All ploughs that are supplied by RABE are marked in black - the front provided with strippable paint so they clear after a few rounds.

Slatted mouldboards offer significant savings potential: Up to 20% less pulling force are reflected clearly and the diesel consumption of the tractor is reduced.

With the wide variety of optional equipment RABE ploughs can be made to suit any soil conditions and leave a fantastic finished result every time.

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**RABE PROVIDES THE RIGHT EQUIPMENT FOR YOUR NEEDS**

Many different body variants with full sheet metal mouldboard.

Slatted mouldboards for all soils.

Slatted mouldboards offer significant savings potential: up to 20% less pulling force are reflected clearly and the diesel consumption of the tractor is reduced.

A broad furrow diameter (18 cm) for the last body with wide tyres of the tractor, not suitable for HydroAvant. (B) coulters for smoother furrow wall as an alternative to disc coulters. (C) subsoiler for the disruption of underlying densities (not suitable for RA).

Press Arm for furrow press, foldable for transport with hydraulic notch (A), for all Packer types suitable spring element (B) Interceptor for safe and guiding the Packers.

Lateral wheel for uniform depth control with damper and strake can be mounted front or rear. (For Albatros / Super Albatros)

Damping during and after rotation (A) , working depth (B) (optional).

Interceptor for safe and guiding the Packers.

Skim (A) and Cornfeeder (B) with anti-twist round stems.

Combination wheel for uniform depth control and gentle road transport with a combined damping and Swing cylinders and hydraulic working depth adjustment. (For Albatros / Albatros Super)

Damper (A) for gentle rotation and strake (B) to stop the wheel going forward.

(Damper (A) for gentle rotation and strake (B) to stop the wheel going forward.)

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**RABE mouldboards**

**Equipment for RABE ploughs**

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**Pflugkörper von Rabe**

**RABE ploughs**

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**Conit**

Carburized mouldboards from Conit, with round hard outer layers and tough core.

**Rabedur**

Strips sheets Rabedur with continuous maximum hardness and toughness.

**Plasmabid**

Shares with Plasmabid hard coating or with screw-on tip.

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RA

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**RA

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PLOUGHS**

RABE mouldboards

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STONE PROTECTION - WHEN IT COMES TO THE CRUNCH.

The reliability of RABE ploughs is only possible through the strength on shear pins or hydraulic stone protection Hydro Avant.

- Simple backup using shear bolts with Abrissnut for precise and clean shearing.
- The body may well move upwards and to the side.
- Safe return of the body to its original position.

Secure furrow depth by high tripping force, decreasing with increasing restoring forces lift height for protection of all components by means of an accumulator.

Even with Hydro Avant secures an additional shear for the plough in extreme situations.

ON LAND OR IN THE FURROW? TRACTION STEP!

Traction Step offers the best of both worlds. This option Rabeploughs* offers the advantages of both methods:

1. Best grip, as the tractor tyres sit in a freshly ploughed "step".
2. Avoid compaction because the wheel is not at the bottom of the furrow and wide tyres (up to 900 mm!) can be used.
3. The front wheel of the tractor will continue at the same level.
4. The slope of the tractor is reduced.
5. Variability: The plough can be operated either with or without Traction Step or by conversion of the Special Shares on a "normal" pair of coulters to one extra furrow extension.

The rear, sixth special furrow only ploughs half the depth (depth adjustable) the so-called step. The tractor wheel then sits on it during the next round.

With an adjustable plough body geometry, the first furrow can be altered behind the left wheel track.

* Super Albatros and Albatros 4 - or 5 - furrow (shear bolt back system only)

Trash boards for very large amounts of straw.
Disc coulter (Ø 50 cm), optionally with suspension for stony grounds.
Clod breaker for additional soil crumbling right on the moldboard.
**RABE FURROW PRESS IN VARIOUS DESIGNS**

With a full range of packers RABE provides the farmer with the right solution for its operation.

- Extendable working width telescopic frame.
- Single row press UPA, here with additional cam roller.
- Three-point linkage for road transport.
- Optional carrying frame with hydraulic lifting gear.
- DUPA packer with two rows of rings.

**FURROW PRESS**

For a good reconsolidation

**RABE FRONT Packer IN VARIOUS DESIGNS**

With a full range of front packers RABE provides the farmer with the right solution for every requirement.

- Front press with cast rings for a good consolidation and fragmentation, ring diameter 70 cm and 90 cm, also with leading tines or blades available.
- Spiral rollers for easier and level work on light and stone-free soils.
- The Plani series: A complete range of front packers suitable for different applications. Here with disc packer roller and precursors for medium and heavy soils with stones.
- Wheeled packer for a consolidation between the tractor wheels.
- Combination of casting ring packer and packer for an even consolidation across the width of the machine.
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Subject to technical changes.