



# BISO VX CROP RANGER

## UNIVERSAL VARIOHEADERS



always one step ahead!

BISO PRODUCES SINCE THE YEAR 2000 **UNIVERSAL HEADERS** OF THE SERIES **VX CROP RANGER** AND THEREFORE HAS MUCH EXPERIENCE IN THIS TECHNIQUE. MANY FARMERS RELY ON **THE GREAT ADVANTAGES** OF THESE HEADERS AND RISE THE OUTPUT OF THEIR CLAAS COMBINE.

## > ONE HEADER – ALL CEREALS

The 700 mm stepless movable cutterbar of VX CROP RANGER headers makes it possible to harvest all cereals with optimal positioning of the cutting knife.

The rule of thumb here is that the cutterbar has to be moved so far, that the grain is constantly transported „head-first“ to the intake auger. Thus, the combine is perfectly fed and works more efficient.



CUTTING KNIFE COMPLETELY RETRACTED  
Distance to intake auger 370 mm



CUTTING KNIFE COMPLETELY EXTENDED  
Distance to intake auger 1070 mm

## > CHANGE FROM CEREALS TO RAPE IN LESS THAN FIVE MINUTES

BISO VX CROP RANGER headers are the only ones on the market, where it is truly possible to change from cereals to rape in less than five minutes – an absolute „Highlight“.

- > Firstly the crop dividers have to be removed and put onto the bracket of the header trailer.
- > The integrated side knives are folded up very easy – thus, the lifting and mounting of the side knives is now a thing of the past. Something our competitors can not match.
- > Finally you move the cutterbar forward and you are able to start harvesting rape.



CUTTING KNIFE COMPLETELY RETRACTED  
and side knives folded



CUTTING KNIFE COMPLETELY EXTENDED  
and side knives folded-up

## > CONSIDERABLY INCREASED COMBINE PERFORMANCE

VX CROP RANGER HEADERS increase considerably the performance of the combine at correct adjustment of cutterbar, header angle and reel:

**Beside the optimal position of the cutterbar also the correct header angle is very important.** Especially in hilly area, at different soil conditions or with flat crop the angle adjustment during harvesting is necessary to achieve a cutting just above the ground without sliding on of earth.

The hydraulic angle adjustment for the VX CROP RANGER is available as standard or optional depending on model and actually an indispensable

component. **The optimal speed and adjustment of the reel is also necessary for maximum threshing output.** Most combines are able to adapt the reel speed to harvesting speed. Of course this is also possible with VX CROP RANGER headers.

**The optimum angle of reel tines is also important.** Especially when harvesting flat crop a steep angle adjustment is required to pick up grain stalks. Rape requires a flat angle adjustment to avoid grain losses in front of the header. With the optional or as standard available electric reel tine adjustment, a setting while driving is possible.

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## VX CROP RANGER TRENDLINE LIGHT THE BEST COST/PERFORMANCE MODEL

- + cutting widths 3,0 m – 7,5 m
- + weight-optimised header
- + cutterbar 700 mm stepless movable
- + cost-efficient basic model  
(all optional Highlights available)



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## VX CROP RANGER TRENDLINE LIGHT FLEX THE HEADER FOR ALL CEREALS

- + cutting widths 4,5 m – 7,5 m
- + cutterbar 560 mm stepless movable
- + cutterbar 150 mm flexible (for peas and soybean)
- + universal header for all cereals  
(all optional Highlights available)



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## VX CROP RANGER TRENDLINE UND HIGHLINE THE ROBUST UNIVERSAL HEADER

- + cutting width 7,5 m – 9,0 m
- + robust, durable header
- + cutterbar 700 mm stepless movable
- + Trendline: Basic model (all optional Highlights available)
- + Highline: fully equipped Premium model



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## OPTIONAL HIGHLIGHTS of VX CROP RANGER HEADERS

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## USER-FRIENDLY DETAILS

# > BISO VX CROP RANGER TRENDLINE LIGHT

The basic model **TRENDLINE LIGHT** with the perfect cost/performance ratio and its heavily reduced weight is therefore suited **specially for middle class combines**. If required it can be equipped with different optional Highlights like hydraulic angle adjustment, electrical reel tine adjustment, splashguard and so on. Thus, each farmer can put together the header exactly according to his needs.

## THE ADVANTAGES AT A GLANCE:

- > **700 mm stepless movable cutterbar** for optimal knife position for each cereal
- > **integrated, easy foldable side knives** increase the comfort during change from cereals to rape enormously
- > **hydraulic angle adjustment** for flat crop and different soil conditions (Option)
- > **electric reel tine adjustment** for optimal reel operation with all conditions (Option)
- > **wrap protection for the reel** to avoid wrapping round of weeds (Option)
- > **robust stainless steel intake auger** improves the appearance and longevity (Option)
- > **splashguard** to prevent grain losses (Option)

## TECHNICAL DATA:

| TYPE                                            | TL 300   | TL 370   | TL 450   | TL 500   | TL 550   | TL 600   | TL 650   | TL 750   |
|-------------------------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Working width (mm)                              | 2920     | 3610     | 4520     | 5050     | 5510     | 6040     | 6500     | 7490     |
| Outside width with 2 hydraulic side knives (mm) | 3550     | 4240     | 5150     | 5680     | 6140     | 6670     | 7130     | 8120     |
| Outside width with 2 electric side knives (mm)  | 3630     | 4320     | 5230     | 5760     | 6220     | 6750     | 7210     | 8200     |
| Cutterbar depths retracted/extended (mm)        | 370/1070 | 370/1070 | 370/1070 | 370/1070 | 370/1070 | 370/1070 | 370/1070 | 370/1070 |
| Reel diameter (mm)                              | 1070     | 1070     | 1070     | 1070     | 1070     | 1070     | 1070     | 1070     |
| Auger diameter inside/outside (mm)              | 410/610  | 410/610  | 410/610  | 410/610  | 410/610  | 410/610  | 410/610  | 410/610  |
| Spare knife                                     | Yes      | Yes      | Yes      | Yes      | Yes      | Yes      | Yes      | Yes      |
| Water tank and hand cleaner                     | No       | No       | No       | No       | Yes      | Yes      | Yes      | Yes      |
| Weight wrap protection for the reel (kg)        | 14       | 15       | 16       | 17       | 18       | 19       | 20       | 22       |
| Weight splashguard (kg)                         | No       | No       | 34       | 37       | 40       | 43       | 45       | 50       |
| Number and weight crop lifters (kg)             | 10/12    | 12/15    | 14/17    | 16/19    | 17/20    | 19/23    | 20/24    | 24/29    |
| Weight 2 crop dividers (kg)                     | 30       | 30       | 30       | 30       | 30       | 30       | 30       | 30       |
| Weight 2 electric side knives (kg)              | 90       | 90       | 90       | 90       | 90       | 90       | 90       | 90       |
| Weight 2 hydraulic side knives (kg)             | 120      | 120      | 120      | 120      | 125      | 125      | 125      | 125      |
| Weight header – without options (kg)            | 1960     | 2040     | 2100     | 2190     | 2280     | 2390     | 2500     | 2710     |

INTEGRATED HYDRAULIC REEL  
DRIVE INSIDE THE REEL TUBE  
no wrapping

WEIGHT REDUCED  
HEADER FRAME

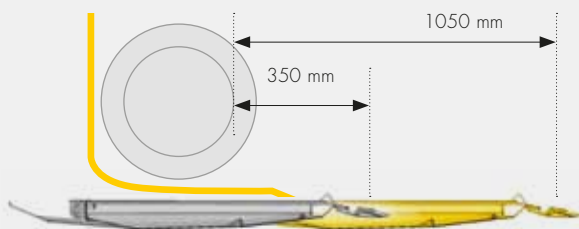
HYDRAULIC ANGLE ADJUSTMENT  
especially for flat crop and hilly area  
(Option)

FOLDABLE ELECTRIC or  
HYDRAULIC SIDE KNIVES



WRAP PROTECTION FOR THE REEL  
(Option)

ELECTRICAL REEL TINE  
ADJUSTMENT  
(Option)



SHORT, SMALL CROP DIVIDERS  
90° foldable downwards for  
transport

700 MM STEPLESS MOVABLE  
CUTTERBAR  
with stainless steel bed



> I have a BISO VX Crop Ranger Trendline light on my Claas Lexion 520. We harvest different crops in the same time, so we have to change the settings during the day - a massive advantage of this header because changing from grain to rape is done in a few minutes. The hydraulic header angle adjustment and the 700mm steples adjustable cutterbar are both very helpful in different conditions. I like also the perfect cutting quality even in high harvesting speeds. We are very happy with the VX Crop Ranger trendline light header because you are very flexible with it. <

JOHANN MANZENEDER, 4774 ST. MARIENKIRCHEN, AUSTRIA

# > BISO VX CROP RANGER TRENDLINE LIGHT FLEX

With the **TRENDLINE LIGHT FLEX** BISO once more fulfils its reputation for being a pioneer in the development of a **universal header for all cereals**. By removing a few screws this header can be changed from rigid to flexible cutterbar. The cutterbar fits up to 150 mm to the different soil conditions and makes possible a **perfect harvesting of soy and peas** just above the ground. The crop losses are reduced by up to 300 kg/ha.

## THE ADVANTAGES AT A GLANCE:

- > **560 mm stepless movable cutterbar** for optimal knife position for each cereal
- > **integrated, easy foldable side knives** increase the comfort during change from cereals to rape enormously
- > **150 mm flexible movable cutterbar** for perfect adaptation to the ground
- > **hydraulic angle adjustment** for flat crop and different soil conditions (Option)
- > **electric reel tine adjustment** for optimal reel operation with all conditions (Option)
- > **wrap protection for the reel** to avoid wrapping round of weeds (Option)
- > **robust stainless steel intake auger** improves the appearance and longevity (Option)
- > **splashguard** to prevent grain losses (Option)

## TECHNICAL DATA:

| TYPE                                            | TLF 450  | TLF 550  | TLF 650  | TLF 750  |
|-------------------------------------------------|----------|----------|----------|----------|
| Working width (mm)                              | 4520     | 5510     | 6500     | 7490     |
| Outside width with 2 hydraulic side knives (mm) | 5150     | 6140     | 7130     | 8120     |
| Outside width with 2 electric side knives (mm)  | 5230     | 6220     | 7210     | 8200     |
| Cutterbar depths retracted/extended (mm)        | 480/1040 | 480/1040 | 480/1040 | 480/1040 |
| Reel diameter (mm)                              | 1070     | 1070     | 1070     | 1070     |
| Auger diameter inside/outside (mm)              | 410/610  | 410/610  | 410/610  | 410/610  |
| Spare knife                                     | Yes      | Yes      | Yes      | Yes      |
| Water tank and hand cleaner                     | No       | Yes      | Yes      | Yes      |
| Weight wrap protection for the reel (kg)        | 16       | 18       | 20       | 22       |
| Weight splashguard (kg)                         | 34       | 40       | 45       | 50       |
| Number and weight crop lifters (kg)             | 14/17    | 17/20    | 20/24    | 24/29    |
| Weight 2 crop dividers (kg)                     | 30       | 30       | 30       | 30       |
| Weight 2 electric side knives (kg)              | 90       | 90       | 90       | 90       |
| Weight 2 hydraulic side knives (kg)             | 120      | 125      | 125      | 125      |
| Weight header – without options (kg)            | 2240     | 2430     | 2650     | 2860     |

INTEGRATED HYDRAULIC REEL  
DRIVE INSIDE THE REEL TUBE  
no wrapping

WRAP PROTECTION  
FOR THE REEL  
(Option)

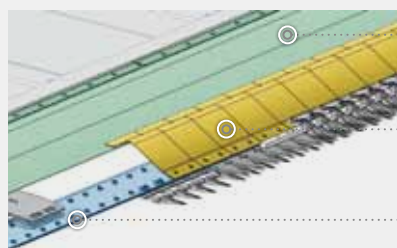
ELECTRICAL REEL TINE  
ADJUSTMENT  
(Option)

HYDRAULIC ANGLE ADJUSTMENT  
especially for flat crop and hilly area  
(Option)



CUTTERBAR WITH STAINLESS STEEL BED

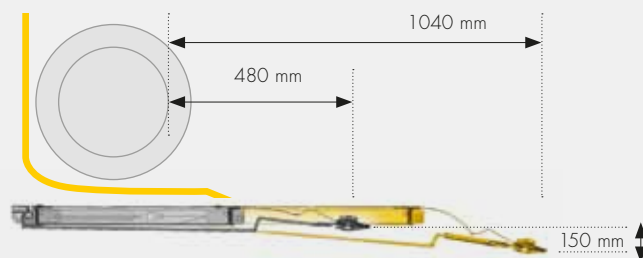
- 560 mm stepless movable
- 150 mm flexible by removing of a few screws



SPRING STEEL STRIP

SPRING STEEL ELEMENT

SPRING STEEL BAR



> The VX Crop Ranger Trendline light flex can be changed from cereals to rape by its foldable side knives within a few minutes. The cutting quality is also very good when driving with high speed. The changing from rigid to flexible cutterbar is made quick and easy. The flexible cutterbar makes possible an optimal adaptation to different soil conditions when harvesting soy and peas and also a cutting just above the ground is possible. The surplus is around 10%. <

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# > BISO VX CROP RANGER TRENDLINE AND HIGHLINE

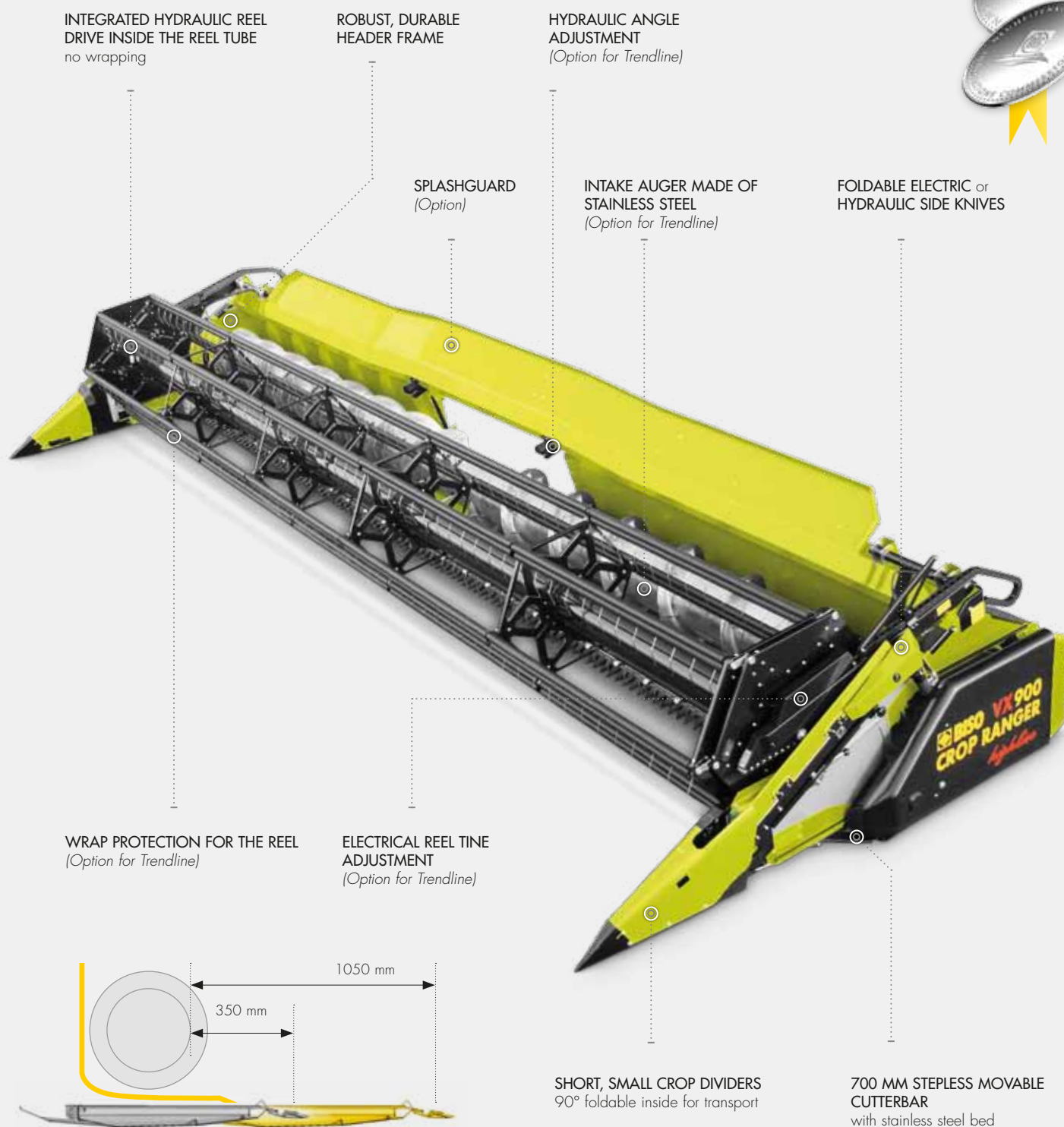
The since many years to the fullest satisfaction of our customers used **VX CROP RANGER** models **TRENDLINE** and **HIGHLINE** are characterized by the robust and durable header frame. This enables **cutting widths up to 9 m**. All optional Highlights can be ordered additionally for the model Trendline. For the Highline Premium model all optional Highlights are standard except the splashguard.

## THE ADVANTAGES AT A GLANCE:

- > **700 mm stepless movable cutterbar** for optimal knife position for each cereal
- > **integrated, easy foldable side knives** increase the comfort during change from cereals to rape enormously
- > **hydraulic angle adjustment**  
for flat crop and different soil conditions (Option for Trendline)
- > **electric reel tine adjustment** for optimal reel operation with all conditions (Option for Trendline)
- > **wrap protection for the reel** to avoid wrapping round of weeds (Option)
- > **robust stainless steel intake auger** improves the appearance and longevity (Option for Trendline)
- > **splashguard** to prevent grain losses (Option for both models)

## TECHNICAL DATA:

| TYPE                                            | 650      | 750      | 850      | 900      |
|-------------------------------------------------|----------|----------|----------|----------|
| Working width (mm)                              | 6500     | 7490     | 8480     | 9010     |
| Outside width with 2 hydraulic side knives (mm) | 7130     | 8120     | 9110     | 9640     |
| Outside width with 2 electric side knives (mm)  | 7210     | 8200     | 9190     | 9720     |
| Cutterbar depths retracted/extended (mm)        | 370/1070 | 370/1070 | 370/1070 | 370/1070 |
| Reel diameter (mm)                              | 1070     | 1070     | 1070     | 1070     |
| Auger diameter inside/outside (mm)              | 410/610  | 410/610  | 410/610  | 410/610  |
| Spare knife                                     | Yes      | Yes      | Yes      | Yes      |
| Water tank and hand cleaner                     | Yes      | Yes      | Yes      | Yes      |
| Weight wrap protection for the reel (kg)        | 20       | 22       | 24       | 25       |
| Weight splashguard (kg)                         | 45       | 50       | 55       | 60       |
| Number and weight crop lifters (kg)             | 20/24    | 24/29    | 28/35    | 30/38    |
| Weight 2 crop dividers (kg)                     | 50       | 50       | 50       | 50       |
| Weight 2 electric side knives (kg)              | 90       | 90       | 90       | 90       |
| Weight 2 hydraulic side knives (kg)             | 125      | 125      | 125      | 125      |
| Weight header – without options (kg)            | 2850     | 3090     | 3340     | 3460     |



> We decided once again to buy a Biso VX Crop Ranger 850 Highline for harvest 2013 and now we are using 3 of these headers. In the year 2008 we have bought the first VX Crop Ranger and we are still very pleased with the stability of the total header and the flexibility even under extreme conditions. We are particularly satisfied with the exact header guide, the fast changeover times and the hydraulic adjustable cutting angle for instance for flat crop.<

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## > OPTIONAL HIGHLIGHTS

VX CROP RANGER headers can be equipped as desired with many additional equipments. Each farmer can put together the header exactly according to his needs.



**HYDRAULIC ANGLE ADJUSTMENT**  
for flat crop and different soil conditions



**ELECTRIC REEL TINE ADJUSTMENT**  
flat angle for rape – steep angle for flat crop



**WRAP PROTECTION FOR THE REEL**  
prevents the wrapping of weeds (for instance camomile)  
around the reel tine tubes



**SPLASHGUARD**  
to prevent grain losses around the feeder house area



**CROP DIVIDERS**  
for flat crop and stony soil



**INTEGRATED ELECTRIC OR HYDRAULIC SIDE KNIVES**  
can also be used in combination with crop dividers (for instance rye)

**BISO VX CROP RANGER HEADERS ARE CHARACTERIZED BY MANY TECHNICAL ADVANTAGES AND PROVIDE MAXIMUM FEEDING OF YOUR CLAAS COMBINE WITH MINIMAL LOSS!**



## > USERFRIENDLY DETAILS

The grain harvest is a very stressful time. There are a lot of details on the VX CROP RANGER header to facilitate harvesting and to have all necessary parts to hand.



### WATER TANK AND HAND CLEANER

Very helpful after maintenance- and adjustment work to clean the hands before driving the combine



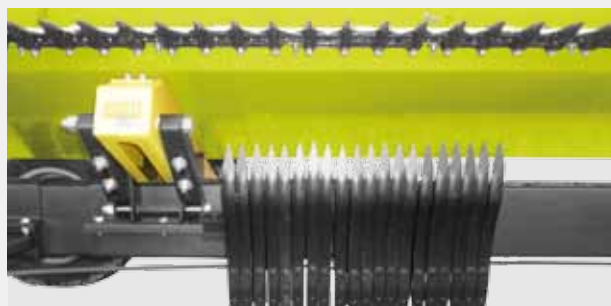
### BRACKET FOR SIDE KNIFE GUARDS

That the guards are always to hand and to prevent injuries



### BRACKET FOR CROP DIVIDERS

Required for quick change to rape



### BRACKET FOR CROP LIFTERS

The crop lifters are always to hand and to put on some for spare



### BRACKET FOR SPARE CUTTING KNIFE

Easy available and perfectly stored in the header trailer



### EASY LOCKING SYSTEM FOR TRAILER

Big tolerances when putting the header on the trailer are possible





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always one step ahead!