

*SERIES RT*

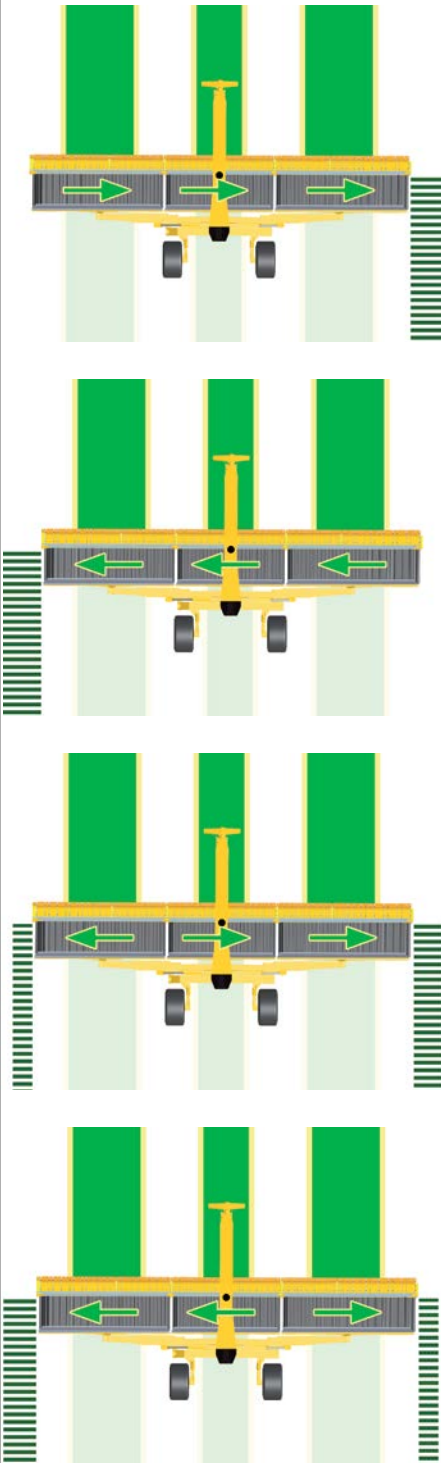
# ROC







# RT 1150



9



10



11



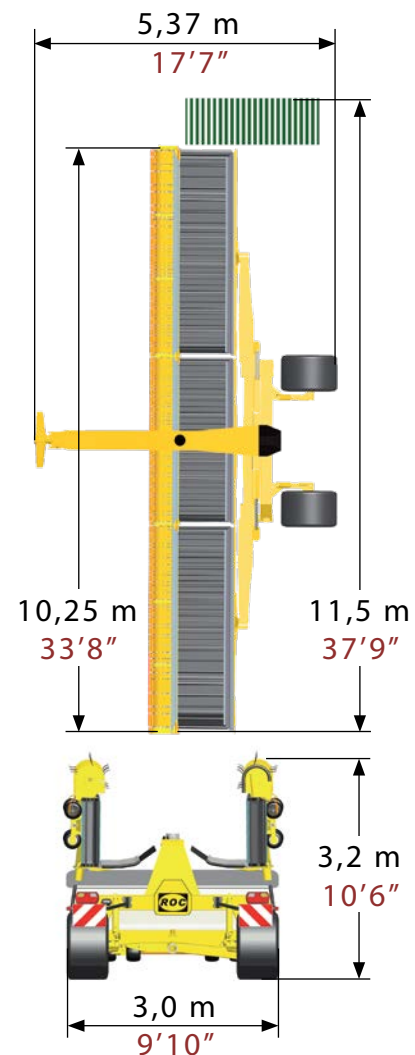
12



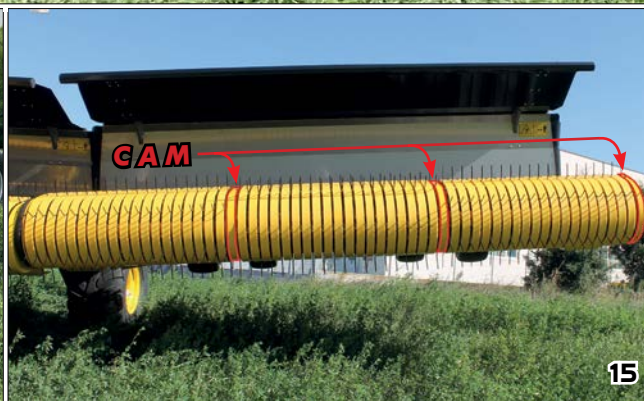


13

# RT 1150



14



15



16



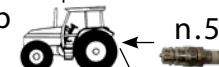
650/40 R22,5  
500/45 R22,5



6340 kg  
13977 lb

100 hp  
75 kw

min.power



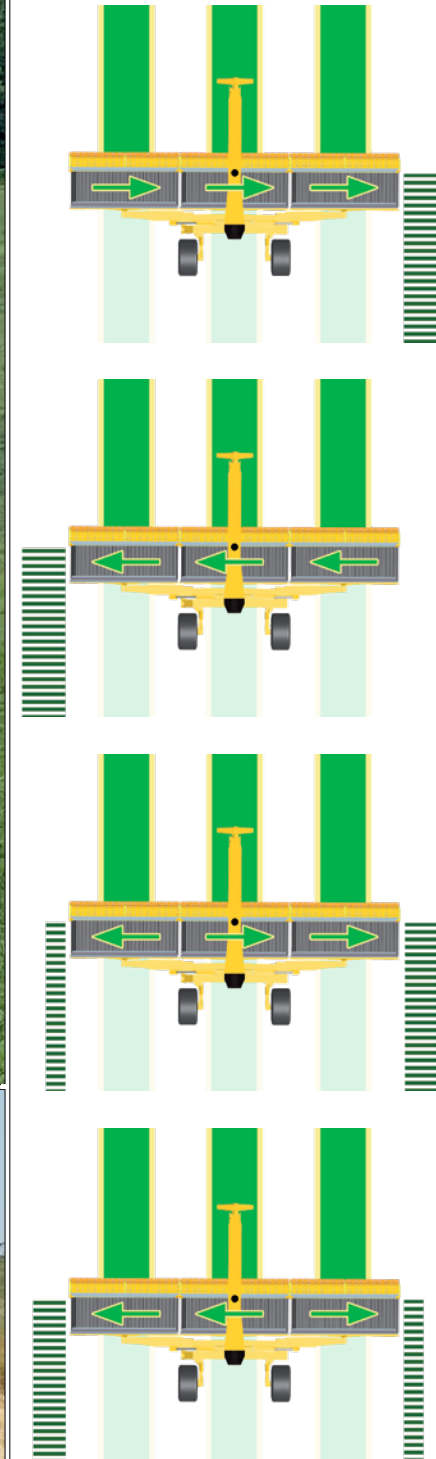
60 l/min 16 gpm

n.5





# RT 1000



17



18



19

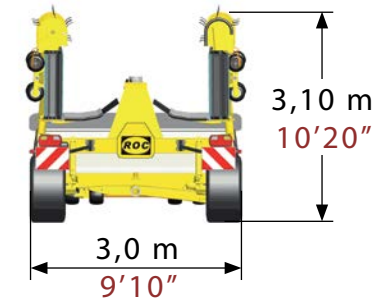
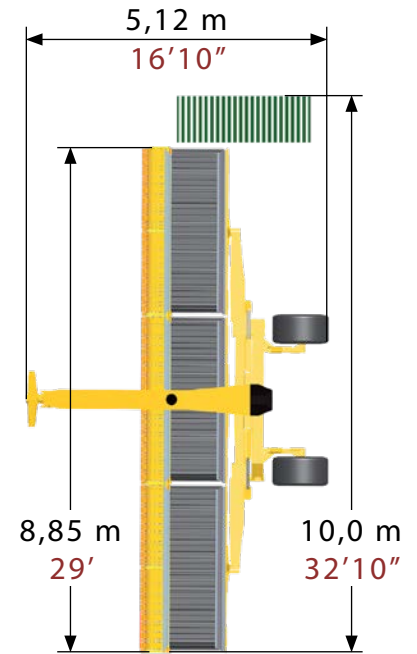


20





# RT 1000



22



23



24



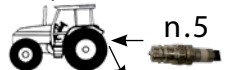
520/50 R17



4980 kg  
10980 lb

90 hp  
67 kw

min.power



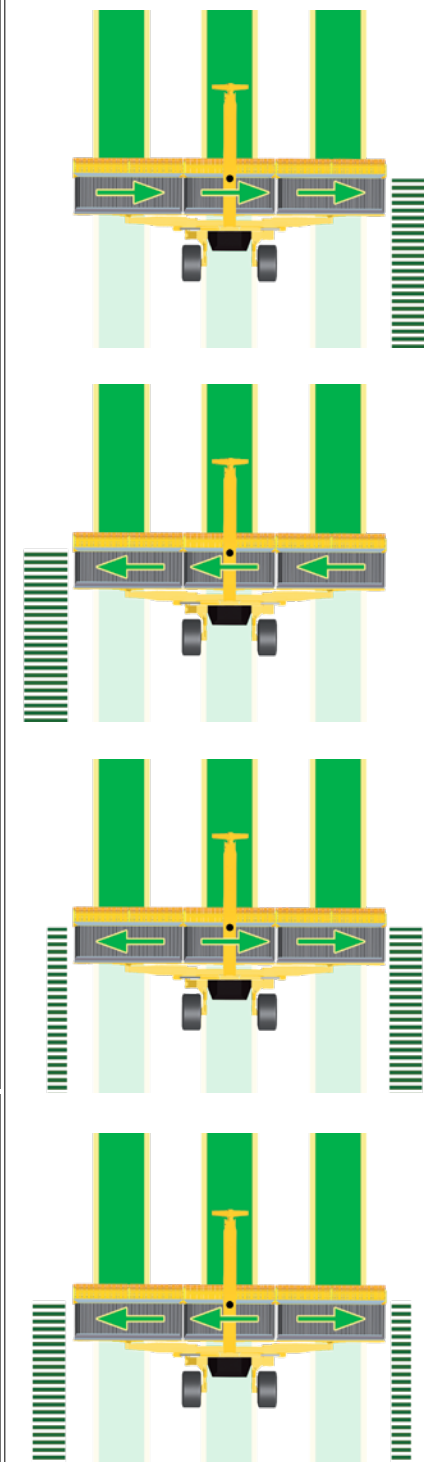
60 l/min 16 gpm

n.5





# RT 950

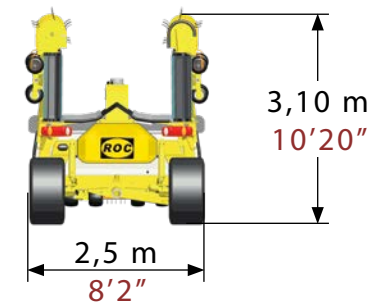
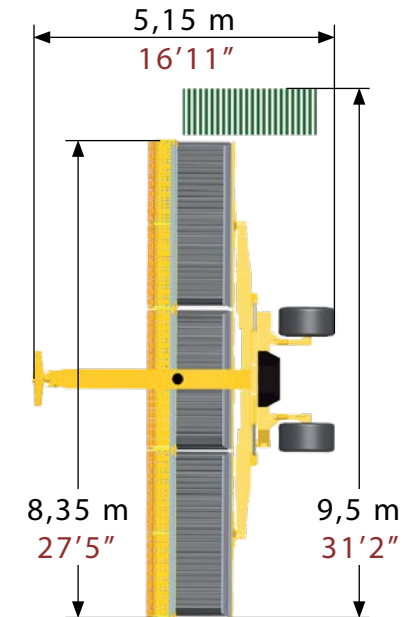






Central pick-up only

# RT 950



520/50 R17



4780 kg  
10538 lb

90 hp  
67 kw

min.power

60 l/min 16 gpm

n.5

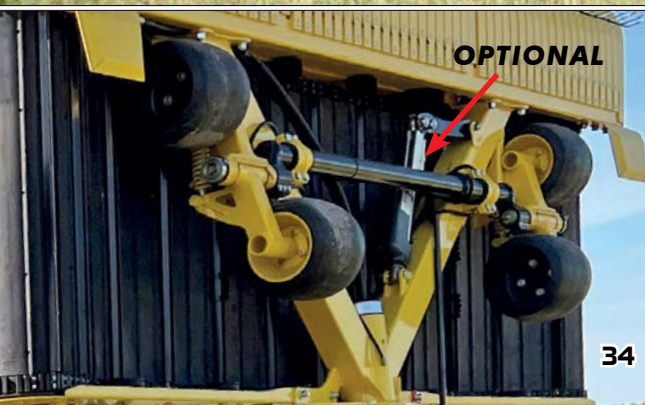
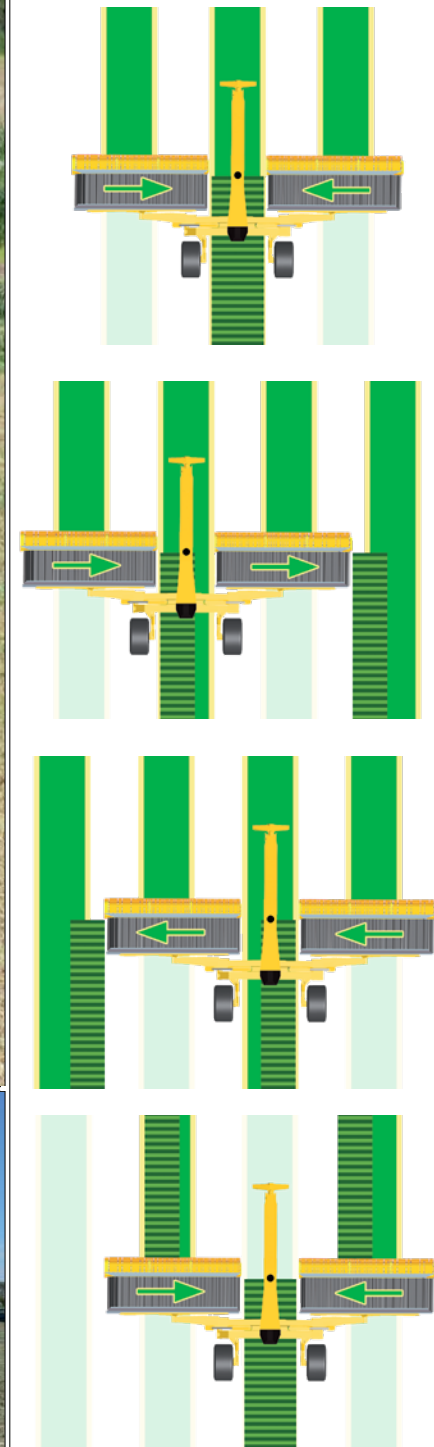




# RT 880



33



34



35

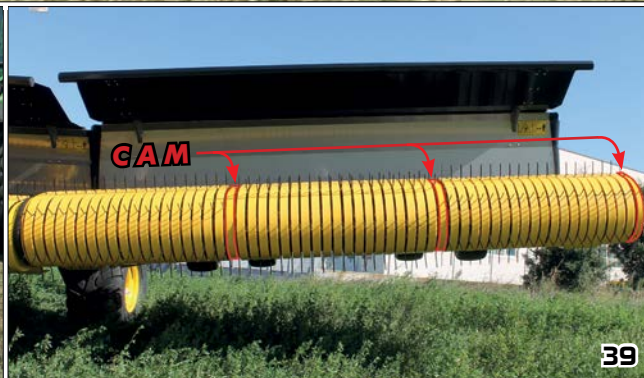
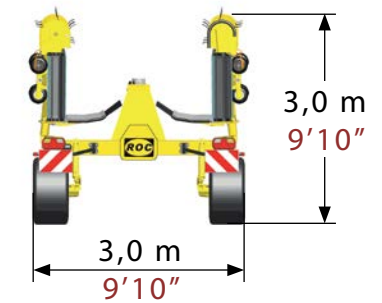
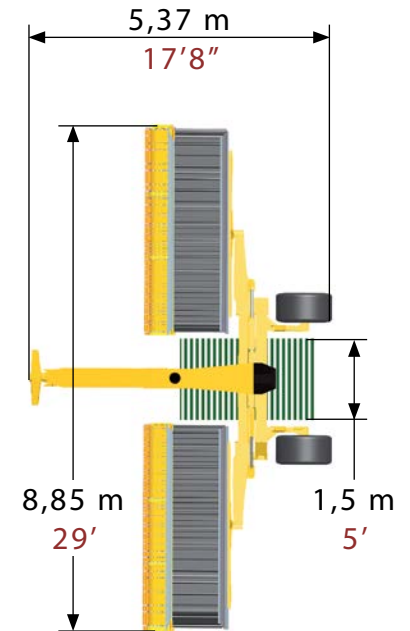


36





# RT 880



500/45 R22,5

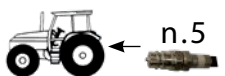


4950 kg

10912 lb

80 hp

60 kw

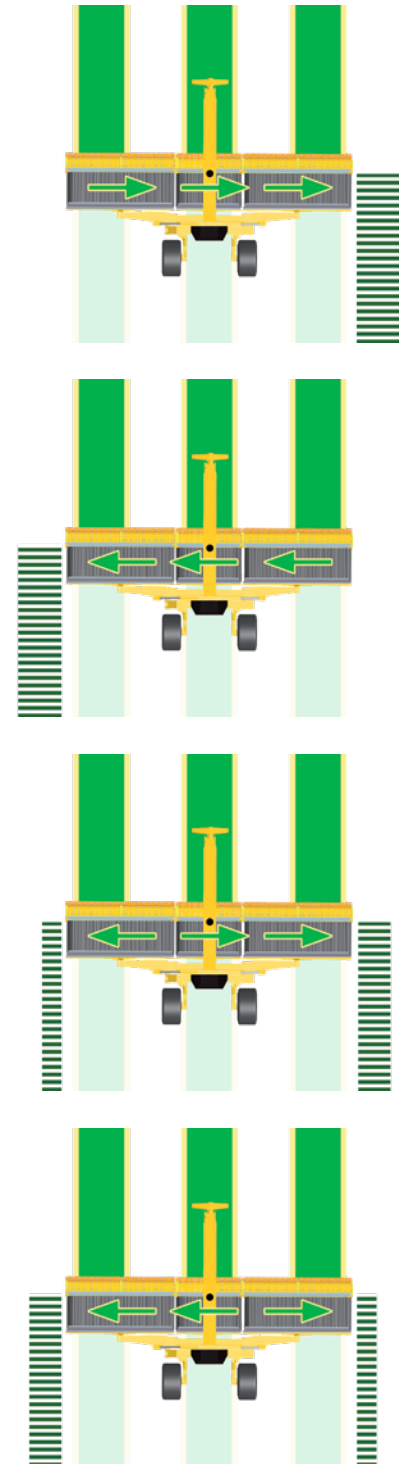


min.power  
60 l/min 16 gpm





# RT 870



41



42



43

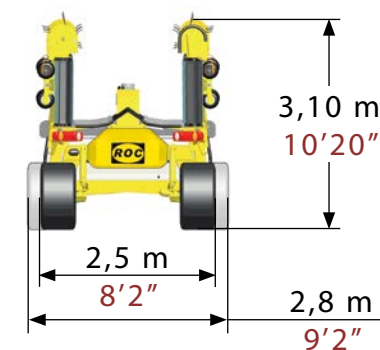
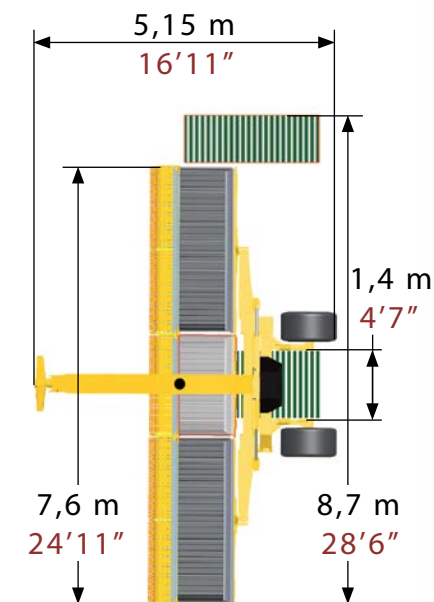


44





# RT 870



4440 kg  
9788 lb

80 hp  
60 kw

min.power  
60 l/min 16 gpm

n.3



46



47

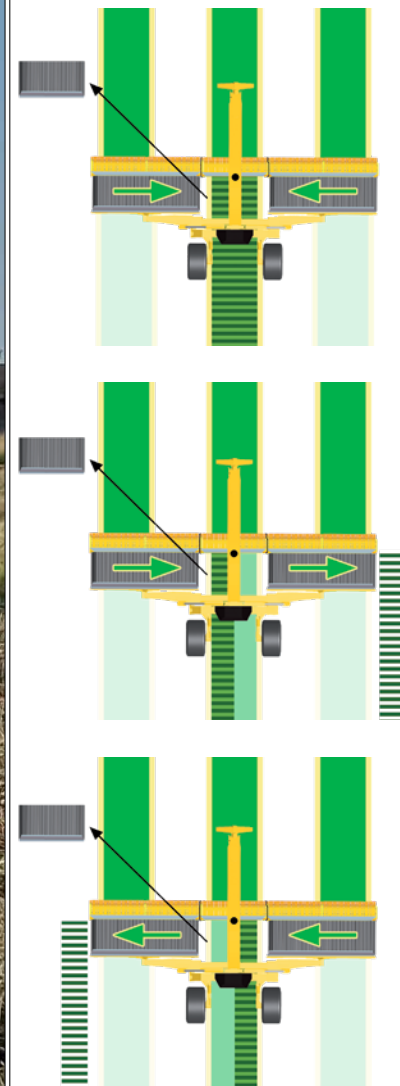


48





**RT 870**



50

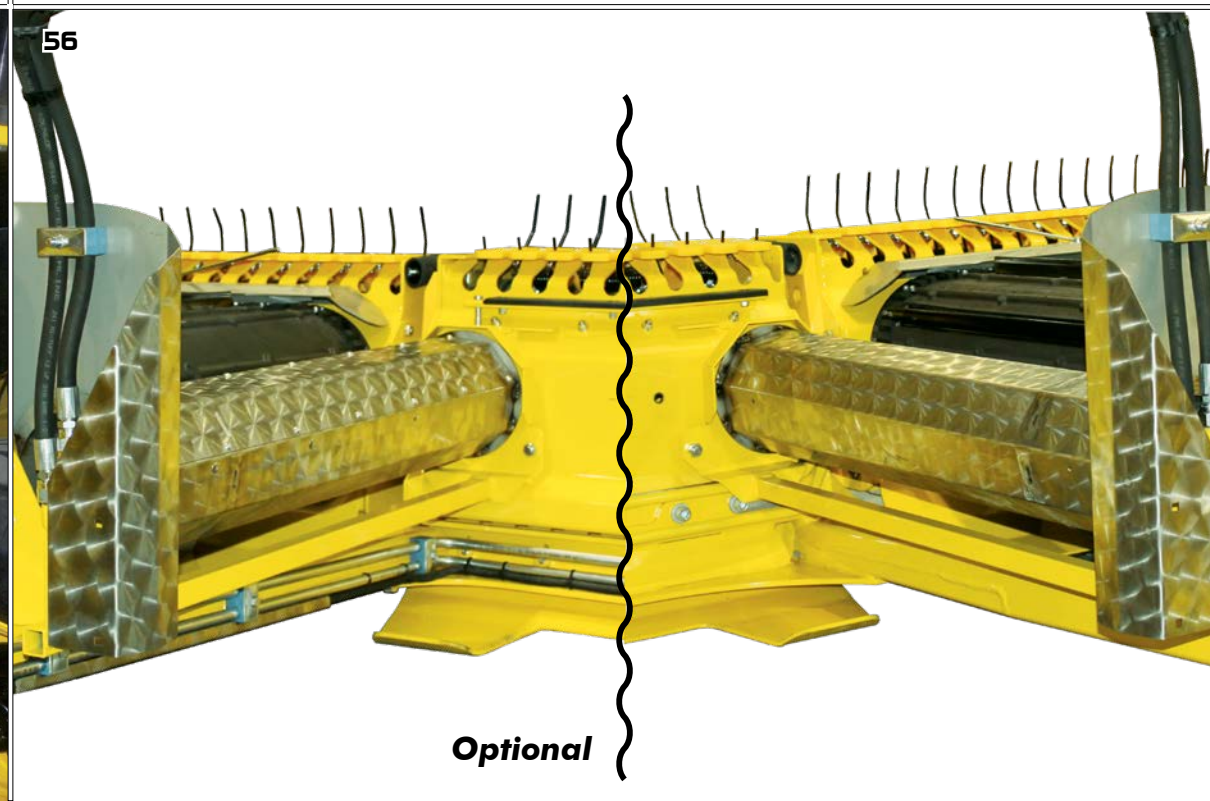


51



52

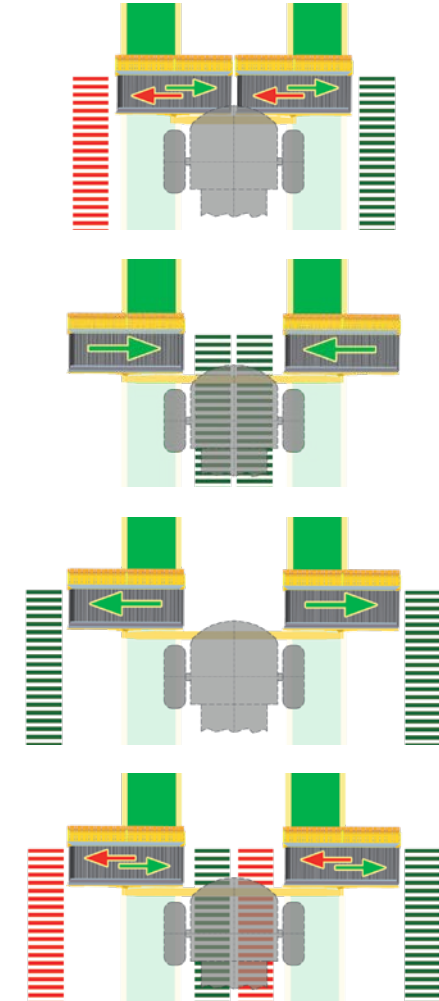








# RT 840 RT 840 M



57



58



59



60

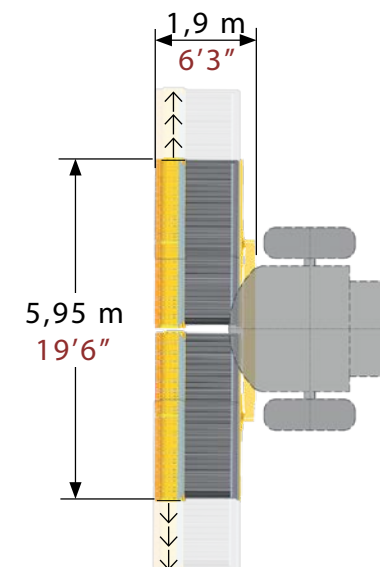
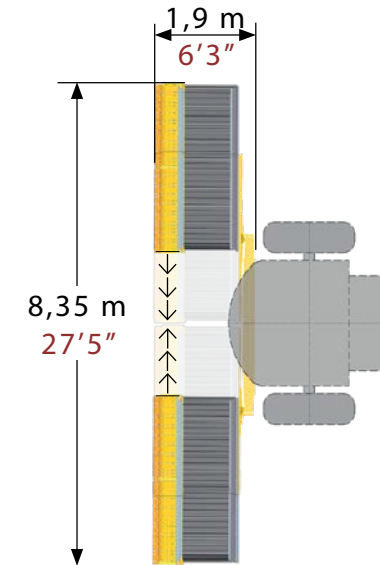




# RT 840 RT 840 M



61



2290 kg  
5048 lb



62



63



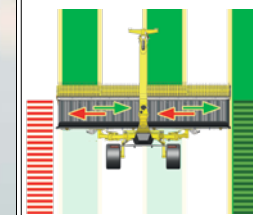
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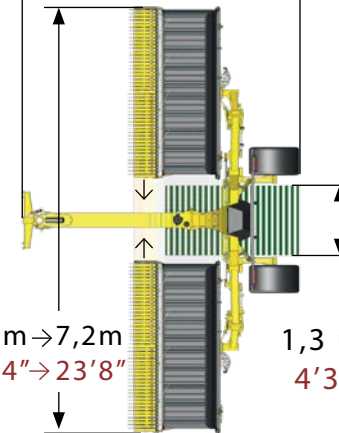
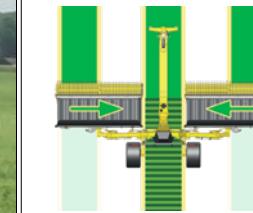


65

# RT 730

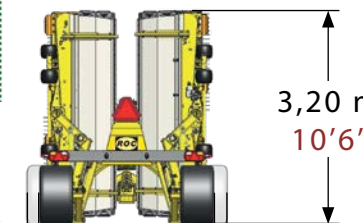
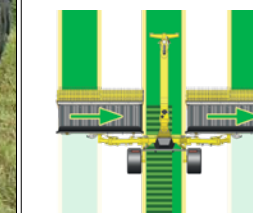
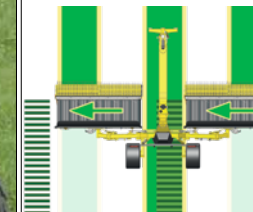


4,74 m  
15'7"

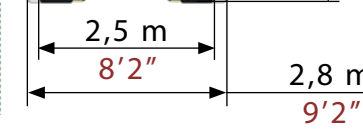


5,9m→7,2m  
19'4"→23'8"

1,3 m  
4'3"



3,20 m  
10'6"



2,5 m  
8'2"

2,8 m  
9'2"



66



67



68



69



480/45 R17



3180 kg  
7010 lb

70 hp  
52 kw

min.power



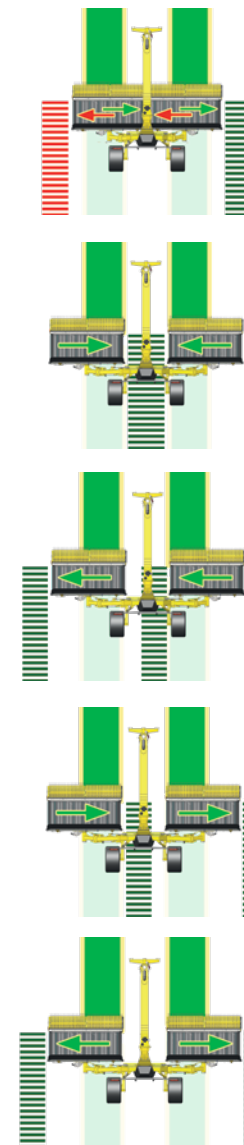
50 l/min 13 gpm

n.3





70



# RT 630

4,74 m  
15'7"

4,9 m → 6,2 m  
16' → 20'4"

1,3 m  
4'3"

3 m  
9'10"

2,5 m  
8'2"

2,8 m  
9'2"



71



72



73



480/45 R17



2950 kg  
6503 lb

70 hp  
52 kw

min.power



50 l/min 13 gpm

n.3



74

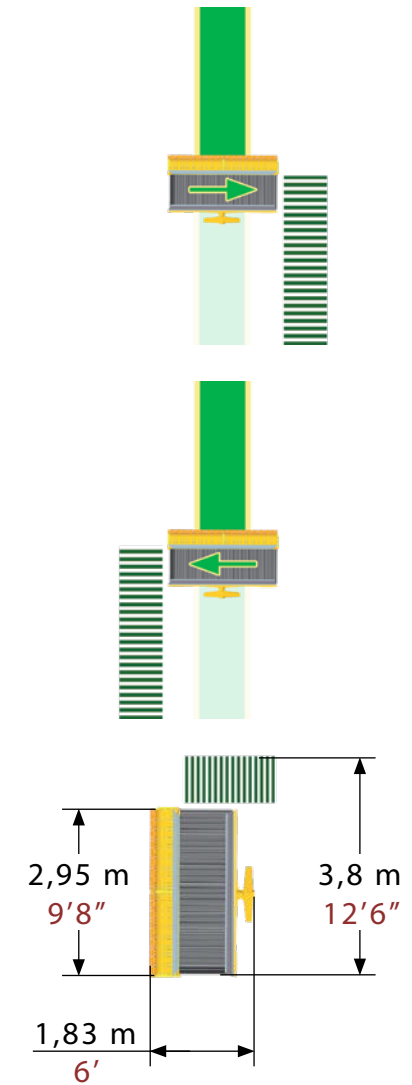




# RT 380



75



76



77



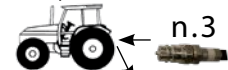
78



963 kg  
2123 lb

60 hp  
45 kw

min.power



34 l/min 9 gpm





*Corn or sorghum stock*

79



*Straw*

80



*Miscanthus*

81



*Wet crop*

82

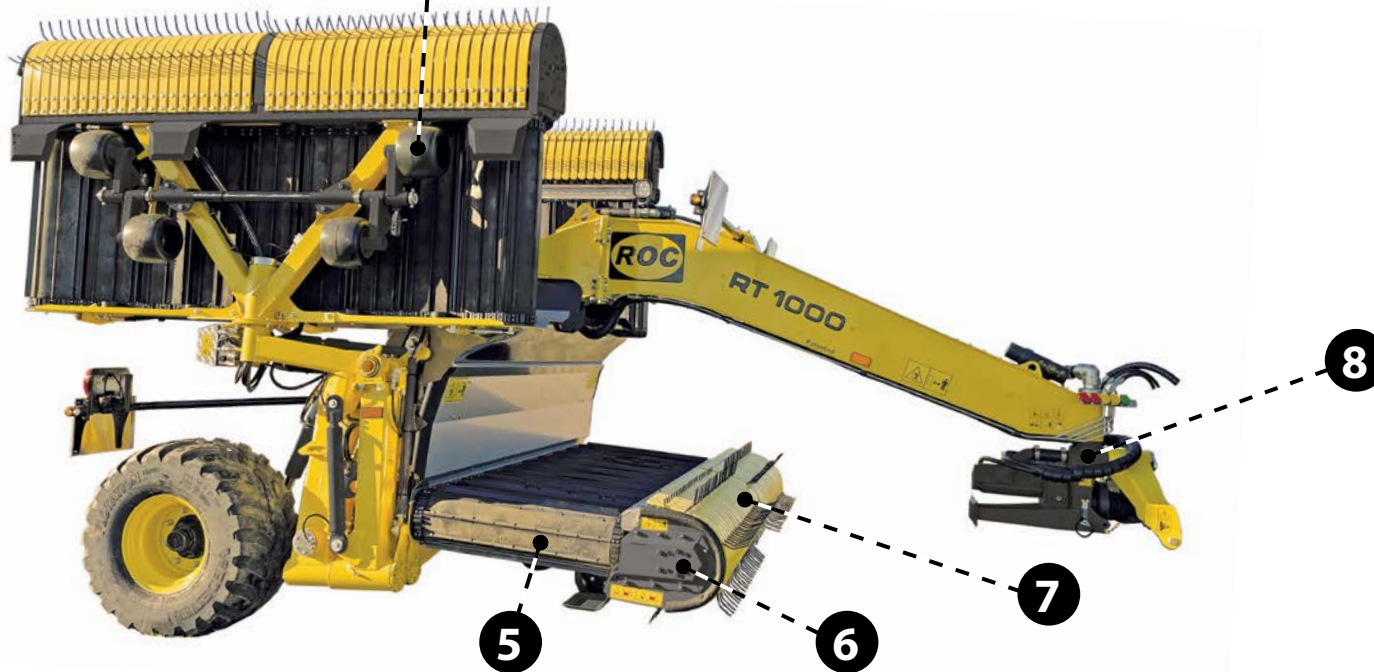
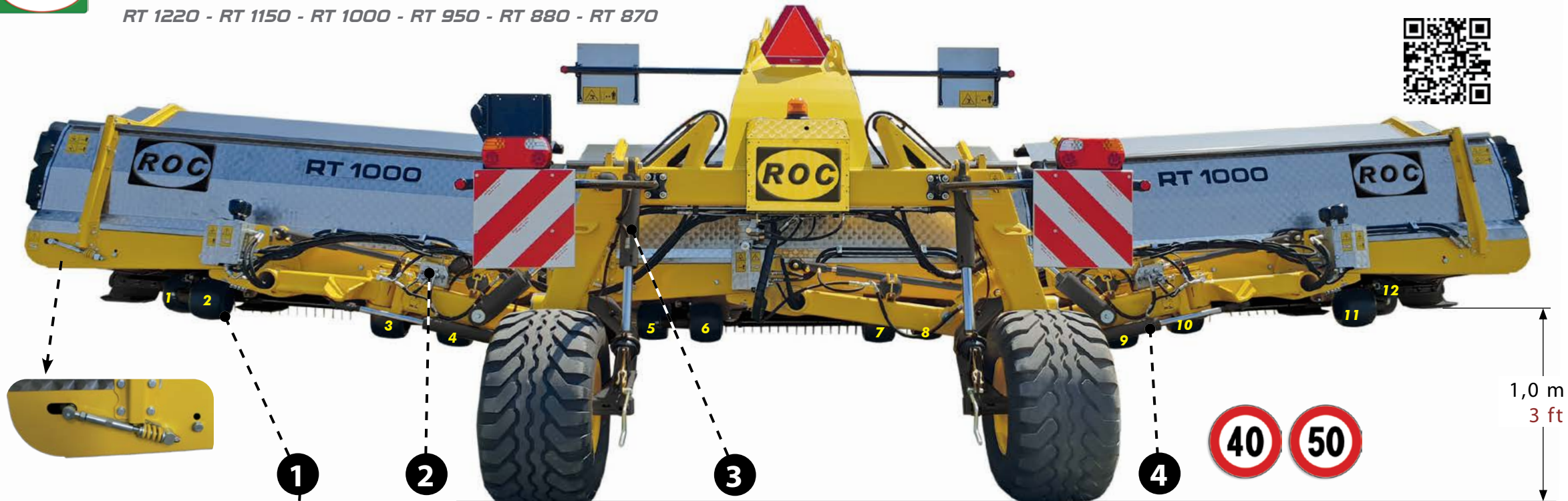




## ROC mergers – key features overview

RT 1220 - RT 1150 - RT 1000 - RT 950 - RT 880 - RT 870

Watch the Video



ROC mergers offer the best performance on the merger market in terms of :

- ✓ Crop quality
- ✓ Suitability for different types of crops and field conditions
- ✓ Adaptability to small fields and hilly conditions
- ✓ Productivity and efficiency
- ✓ Reliability and durability
- ✓ Ease of maintenance
- ✓ Operational cost optimization

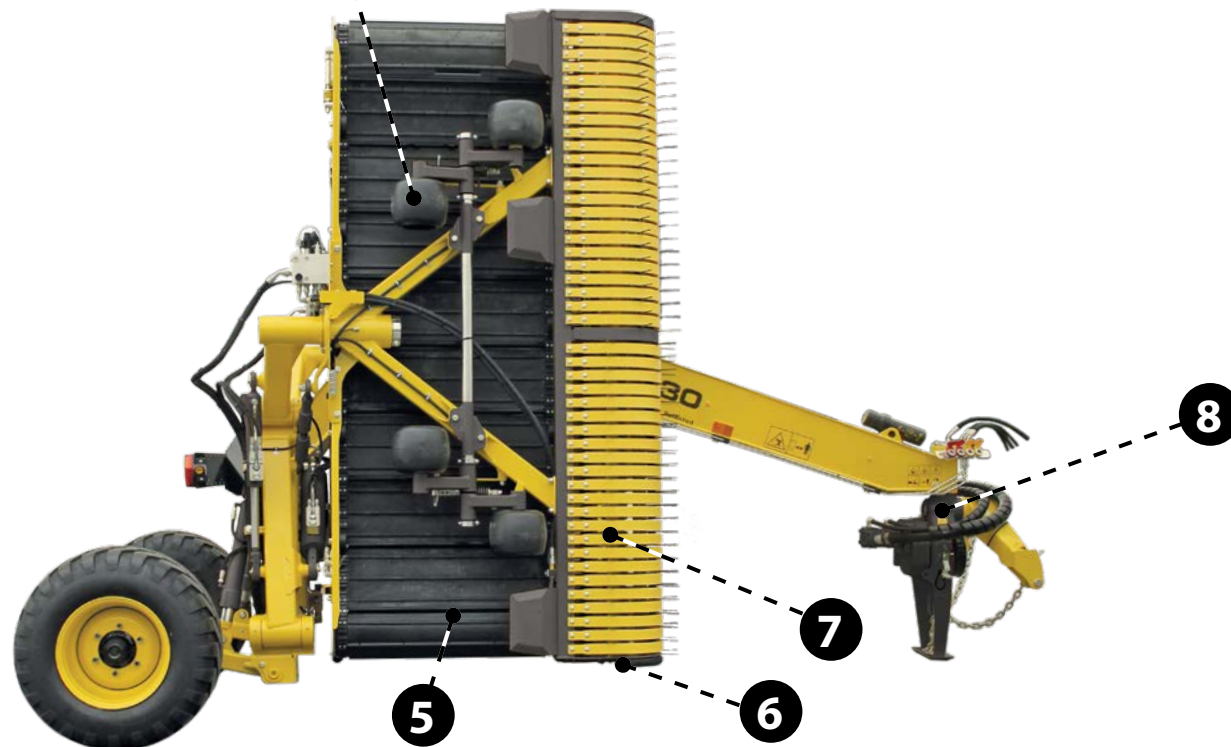
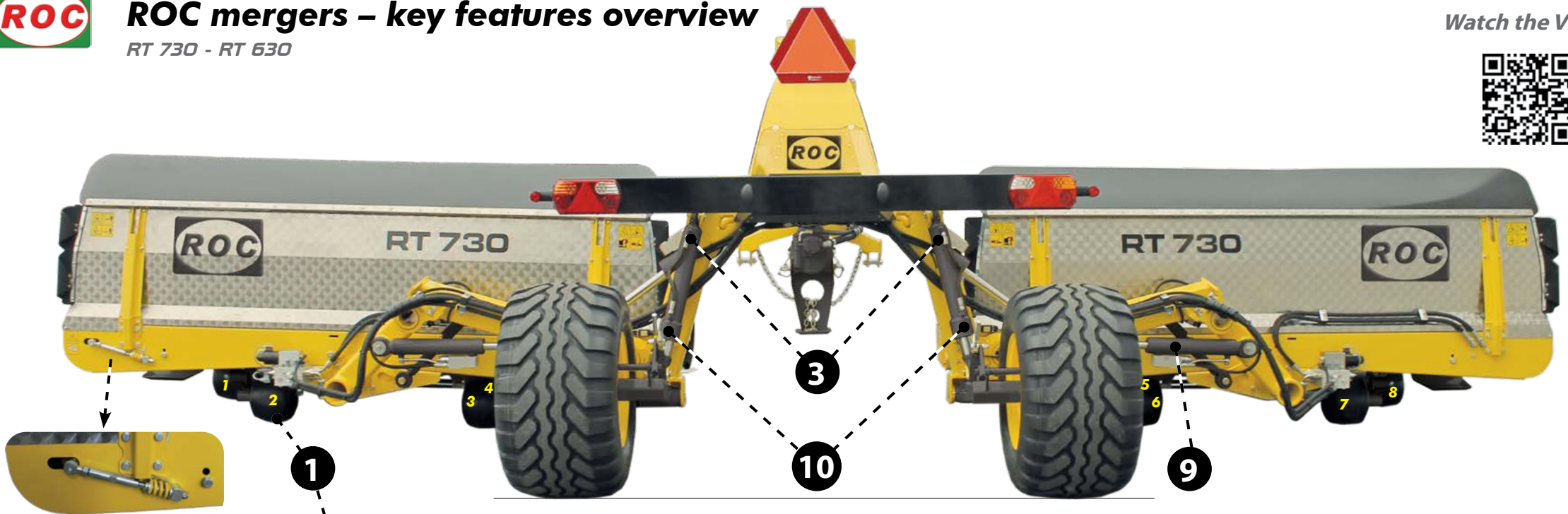




## ROC mergers – key features overview

RT 730 - RT 630

Watch the Video

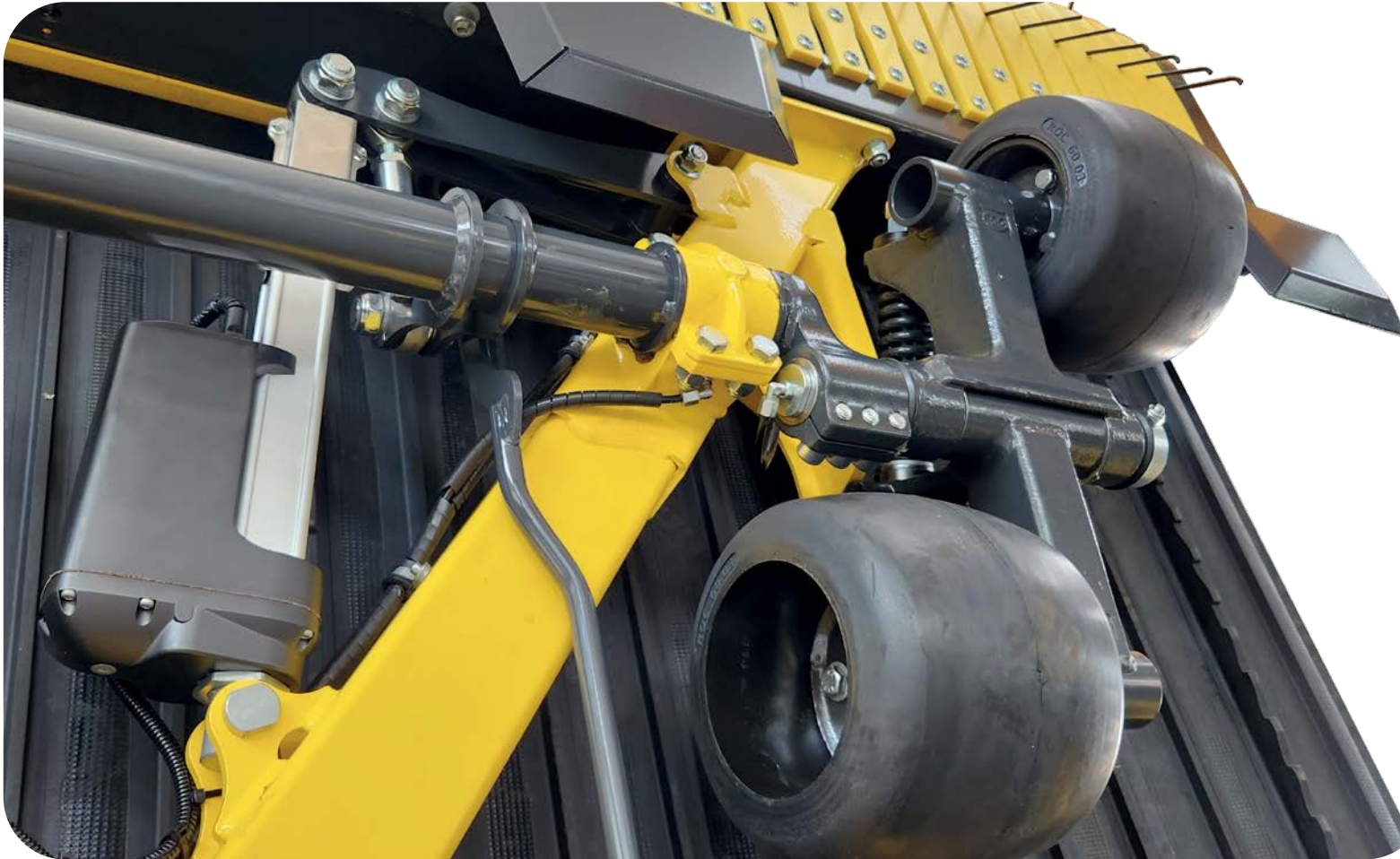


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- ✓ Suitability for different types of crops and field conditions
- ✓ Adaptability to small fields and hilly conditions
- ✓ Productivity and efficiency
- ✓ Reliability and durability
- ✓ Ease of maintenance
- ✓ Operational cost optimization



## 1 Mechanical suspension and rubber tandem wheels



### Key highlights

- **4 solid rubber offset wheels** with spring suspension placed in tandem under each pick-up (from 4 to 16 wheels per machine depending on model).

### Main benefits

- ✓ **Excellent harvest quality**: the combined work of spring suspension fixed on tandem and rubber wheels minimizes crop and field surface damage compared to steel rollers or skids.
- ✓ **Less friction**: the rubber wheels roll and do not slide, so they create less friction, require less power and thus a smaller tractor.
- ✓ **No fire risk**: the rolling movement, together with the rubber material of the wheels, prevents sparks and thus the risk of fire, especially with straw and biomass crops.
- ✓ **Shock and vibration absorption**: the combination of spring suspension and solid rubber wheels reduces the transfer of vibrations to the frames of the machine, extending its lifetime.

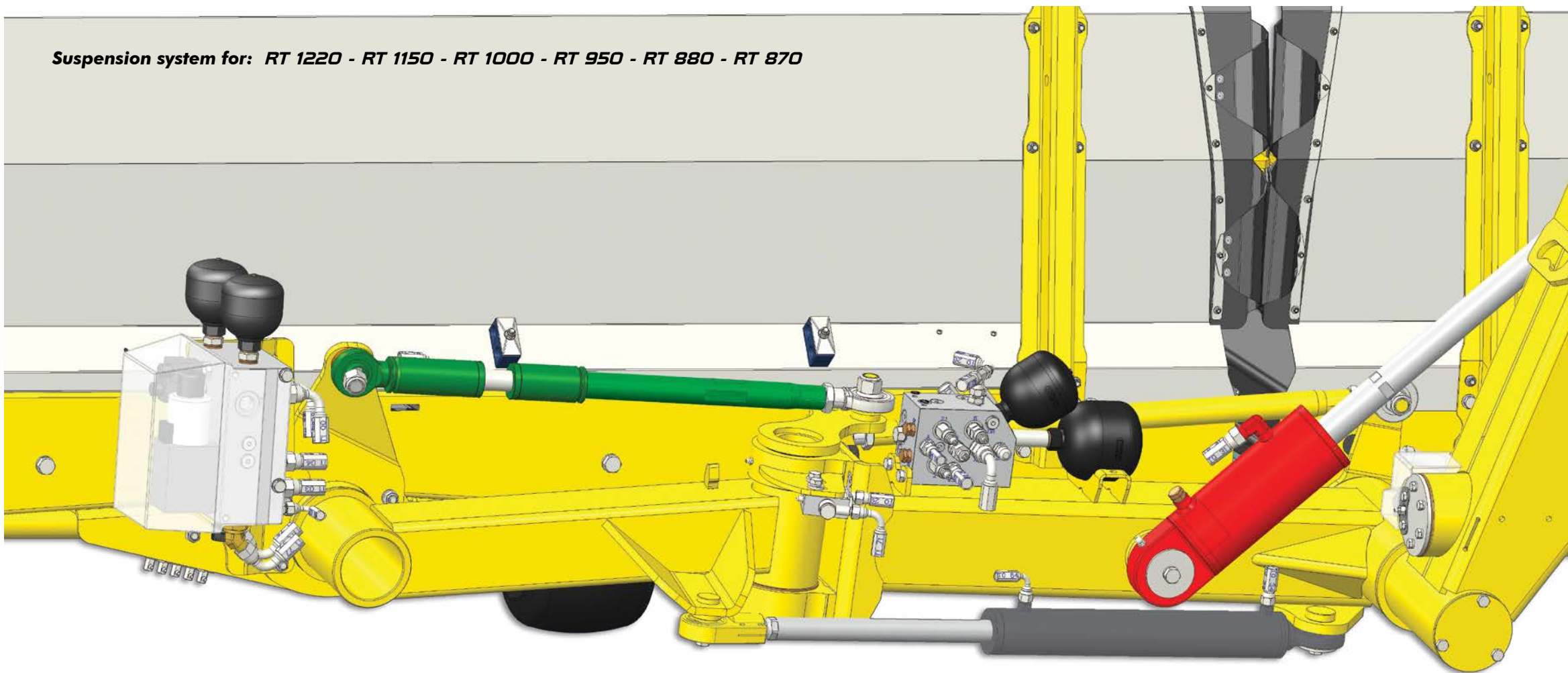
Watch the Video





## 2 *Hydropneumatic suspension*

*Suspension system for: RT 1220 - RT 1150 - RT 1000 - RT 950 - RT 880 - RT 870*



### *Key highlights*

- Independent hydropneumatic suspension with 3 cylinders on each pick-up working with oil and nitrogen (from 6 to 12 hydraulic cylinders involved depending on model).

### *Main benefits*

- ✓ **Ground tracking:** the hydraulic cylinders secure higher adaptability to bumps and hollows.
- ✓ **Adaptability to hills:** the independent suspension system on each pick-up allows the merger to adapt to hills and mountains.
- ✓ **High working speed:** thanks to the sophisticated suspension system, the merger can even exceed 20 km/h (12 mph) depending on field conditions.
- ✓ **Less wear:** the suspension system lightens the load on the wheels under the pick-ups, thus increasing the lifetime of mechanical components.

*Watch the Video*





### 3 Road suspension and whole frame lifting



#### Key highlights

- Road suspension system on the rear wheels.
- Lifting of the whole machine's frame (not only of the pick-ups) through cylinders acting on the rear axle.

#### Main benefits

- ✓ **High manoeuvrability:** the merger can be raised to a considerable height of 1 m (3') to pass over large windrows.
- ✓ **High travel speed:** the road suspension makes our merger unique on the market and able to travel at 40/50 km/h (25/30 mph) without compromising its stability.
- ✓ **Frame preservation:** less risk of structural damage thanks to the work of the suspension.
- ✓ **Operating convenience:** entrance to uneven fields and loading/unloading from ramp trucks is easier, faster and safer.

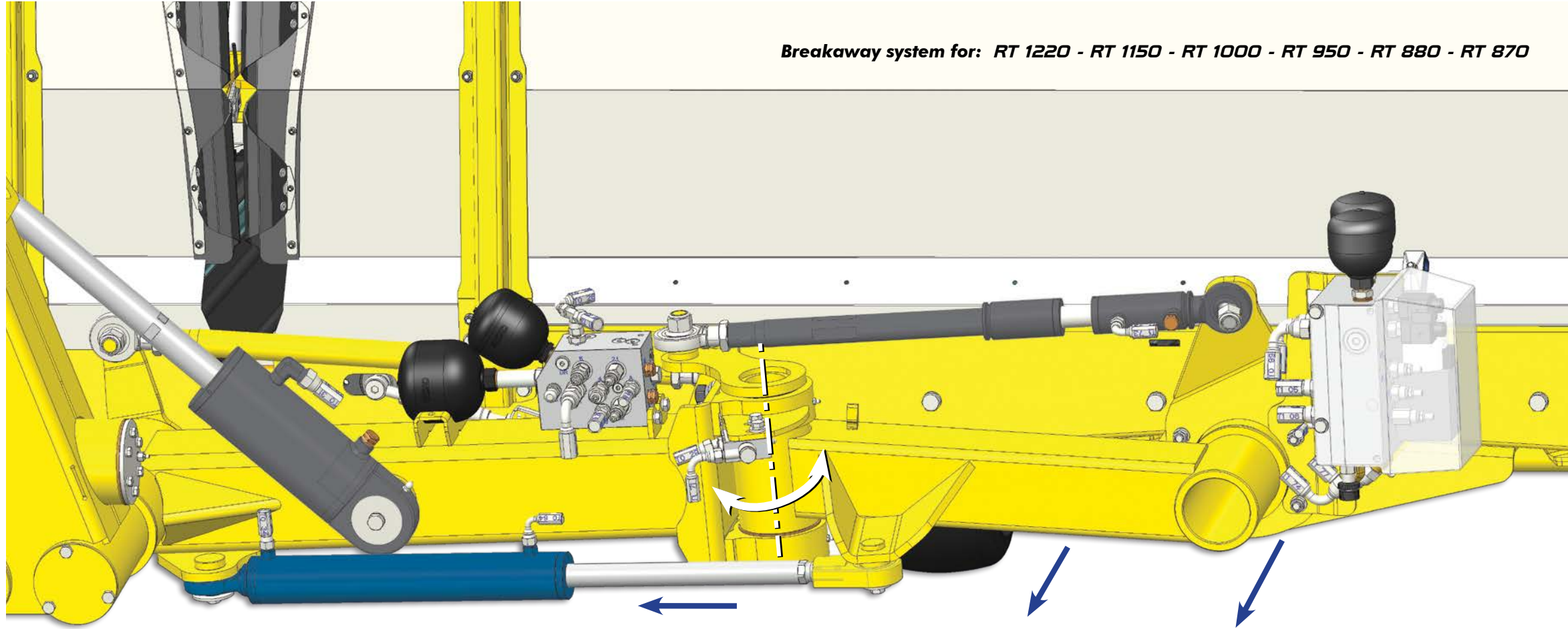
Watch the Video





## 4 Breakaway system (blue cylinder) and other safety devices

Breakaway system for: RT 1220 - RT 1150 - RT 1000 - RT 950 - RT 880 - RT 870



### Key highlights

- Several safety devices featured in the merger to minimize damage and replacement cost in case of accident.

### Main benefits

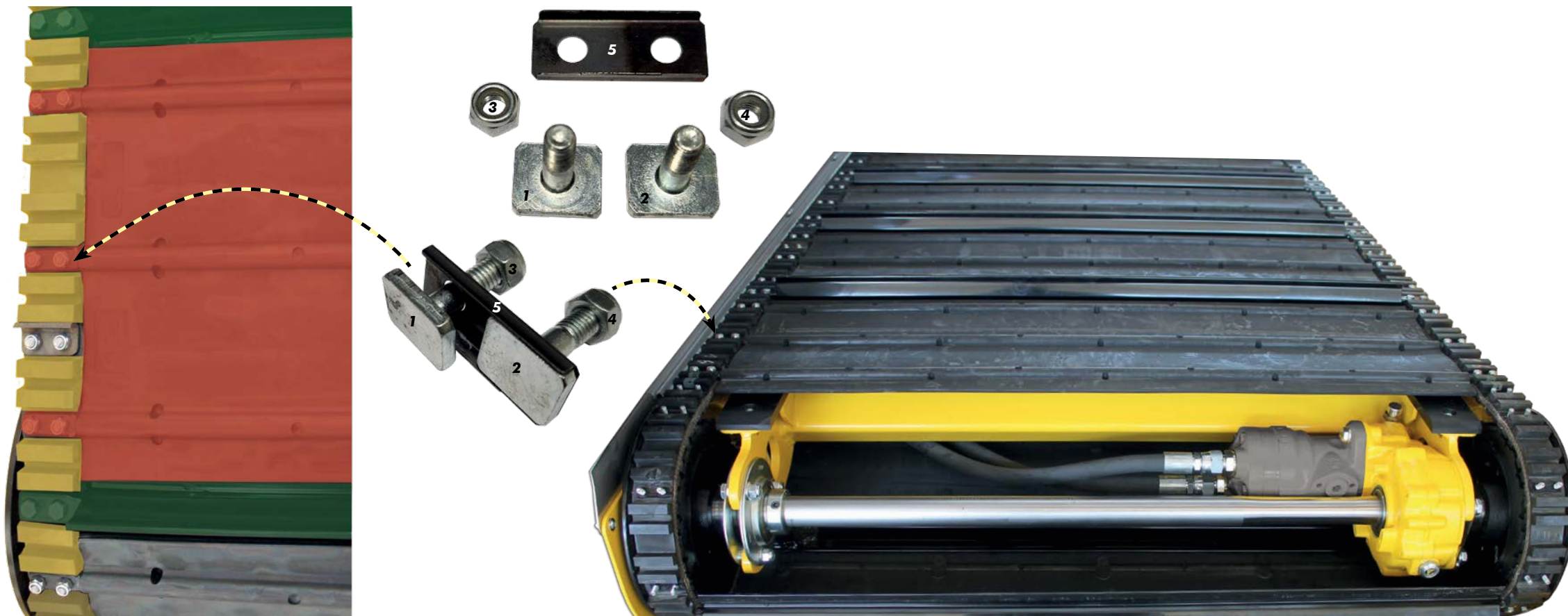
- ✓ **Damage limitation**: the breakaway cylinder allows the lateral pick-ups to fold backwards in case of accident, preventing them from big damage.
- ✓ **Cheap repair**: damage limitation allows to replace small parts instead of the whole frame, saving time and money.
- ✓ **Pick-up protection**: the merger is equipped with safety valves that protect the pick-up in case of obstruction or overstrain.
- ✓ **Belt protection**: the merger is equipped with safety valves that protect the belt in case of blocking.
- ✓ **Electronic independence**: the merger can perform all the main functions even in case of electronic breakdown.

Watch the Video





## 5 Modular bolted belt



### Key highlights

- Modular construction of the belt.
- Maintenance-friendly design.
- Extremely long lifetime of several thousand hours.

### Main benefits

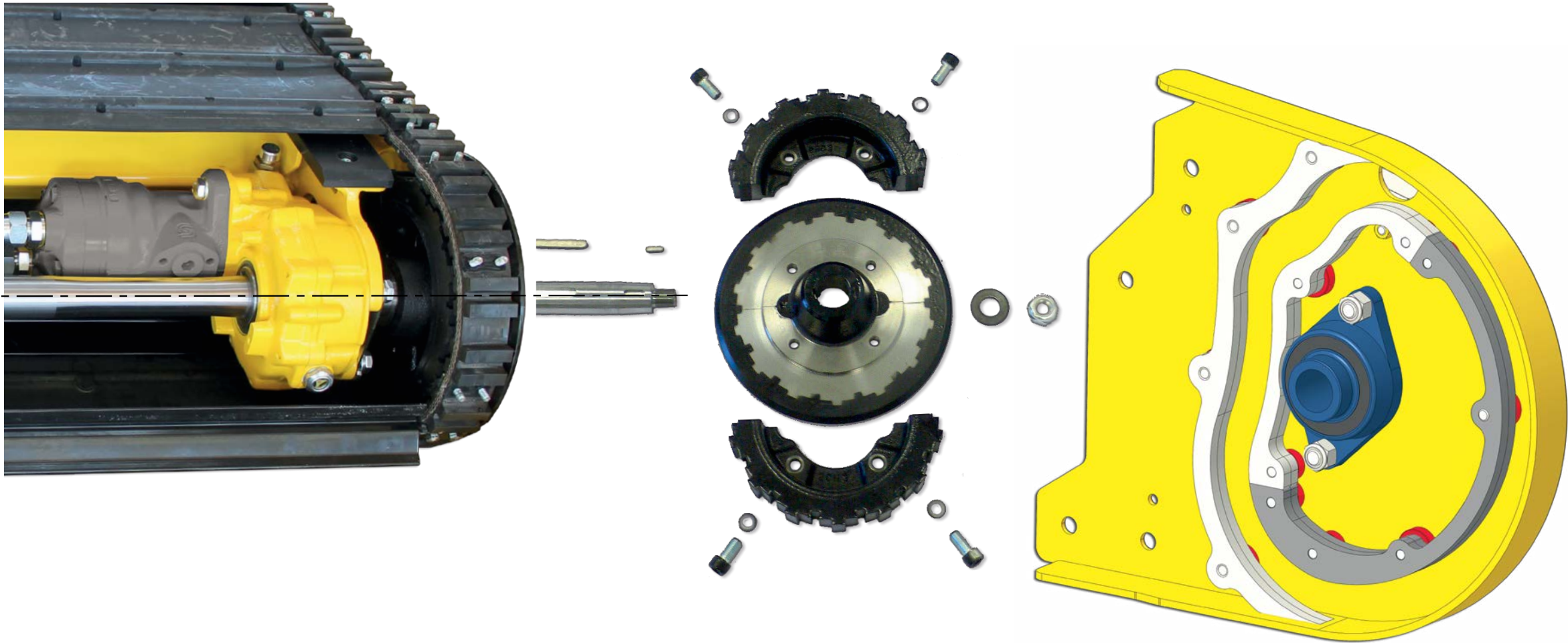
- ✓ **Easy maintenance:** replacement of every component with only one wrench and easy access to the inner part of the belt by opening a trap door.
- ✓ **Money-saving repair:** modularity allows to replace single damaged components (trap doors, bars, transmission belts) instead of the entire belt.
- ✓ **Limited replacement:** even after several thousand hours, replacement due to wear can be limited only to the two lateral transmission belts instead of the entire belt.
- ✓ **Reliability and durability:** top quality materials and special construction ensure efficient performance over time, even under heavy-duty conditions.
- ✓ **Ideal crop flow:** 4 different height levels secure better grip and an even crop flow, both with heavy and very light crops.

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## 6 Easy maintenance, modular replacement, quality material



### Key highlights

- Special design for an easy maintenance.
- Section construction for a quick and cost-effective replacement.
- Practical replacement of most wear parts without using two wrenches at a time.

### Main benefits

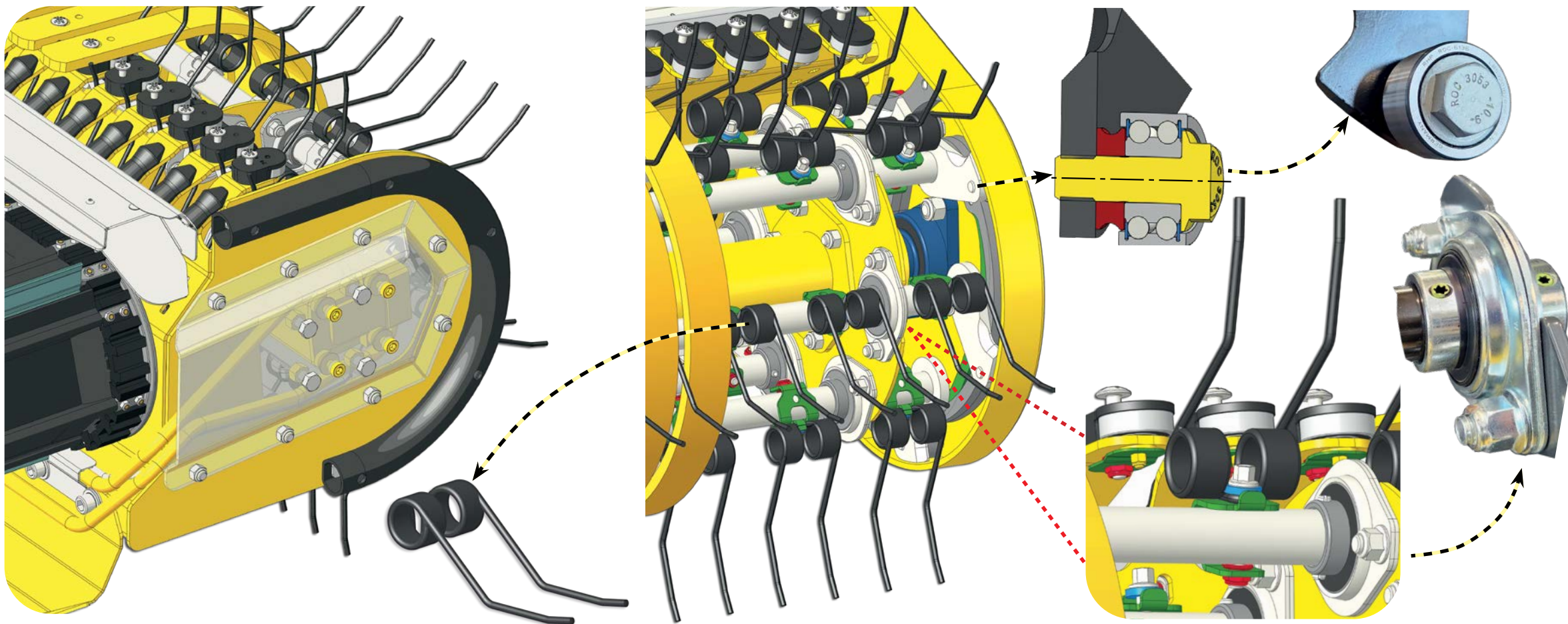
- ✓ **User-friendly maintenance:** the simple yet highly engineered design facilitates maintenance even for non-professional operators.
- ✓ **Money-saving replacement:** modularity allows to replace single small components instead of big expensive parts, saving money also on shipment.
- ✓ **Time-saving replacement:** highly detailed design enables to save on time and personnel.
- ✓ **Quality as a priority:** stainless steel is used for all thin plates and small screws in contact with the crop, and the main axles are chrome plated.

Watch the Video





## 7 Unique pick-up construction



### Key highlights

- Solid pick-up system with 6 tine bars mounted on zinc plated bearings.
- Bended tines preventing the crop from rolling forward.
- No need of roller over the pick-up unit.
- Stainless steel bearings under each yellow band to avoid crop blockage between pick-up and belt.

### Main benefits

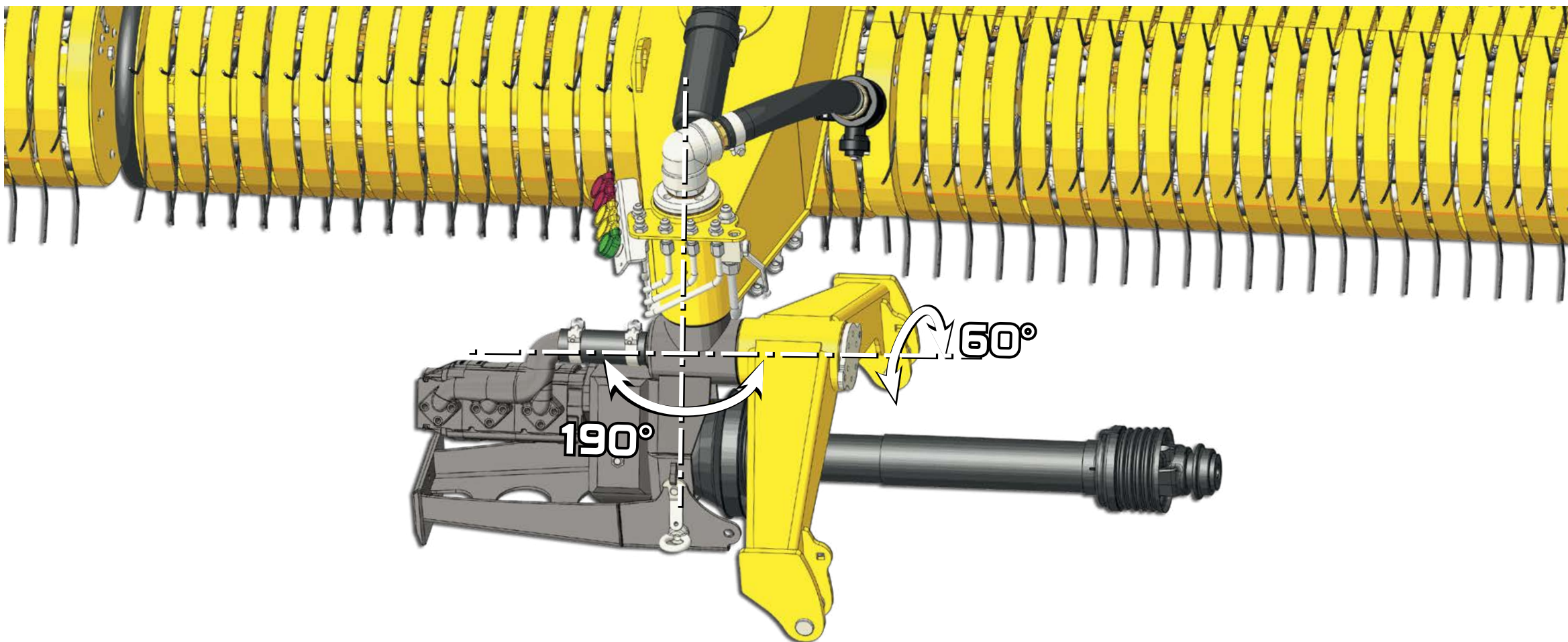
- ✓ **No crop contamination:** unparalleled quality of crop, free of dust and stones, can be reached thanks to the special tine shape.
- ✓ **Premium crop quality:** loss of leaves is significantly reduced in fragile crops like alfalfa thanks to the special shape of the tines, together with the gentle speed of the pick-up.
- ✓ **High versatility:** the merger is able to perform efficiently in a variety of crops even during daytime, with no need of pick-up roller that crushes the crop and causes leaf loss.
- ✓ **Work optimization:** to increase the productivity of the following machines, single swaths can be reloaded and joined into a bigger swath without losing crop quality.
- ✓ **Regrowth preservation:** unlike traditional rakes, the belt merger causes no damage to crop regrowth.

Watch the Video





## 8 High steering and manoeuvrability



### Key highlights

- Vertical axle with 190° steering angle for tight turns.
- Gearbox and pump assembly aligned with the tractor's hitch.
- Horizontal axle with 60° for freedom of transverse movement.
- Rocker arm loading the arms of the tractor's linkage evenly.

### Main benefits

- ✓ **High steering:** fast and easy to handle, the merger allows tight turns (95° + 95°) in small fields, headlands and narrow entrances with no stroke limit on the frame.
- ✓ **PTO preservation:** the gearbox and pump assembly, always aligned with the tractor's hitch and not with the merger's drawbar, secures that the PTO shaft is always straight when steering.
- ✓ **Adaptability to hills:** the horizontal axle, keeping the machine independent from the tractor's inclination, prevents any torsion on the frame and makes the merger ideal for hilly conditions.
- ✓ **Higher stability:** the rocker arm of the merger keeps an equal load on the arms of the tractor's linkage, ensuring the best driving comfort, both in the field and on the road.

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## 9 Merging versatility (blue cylinder)

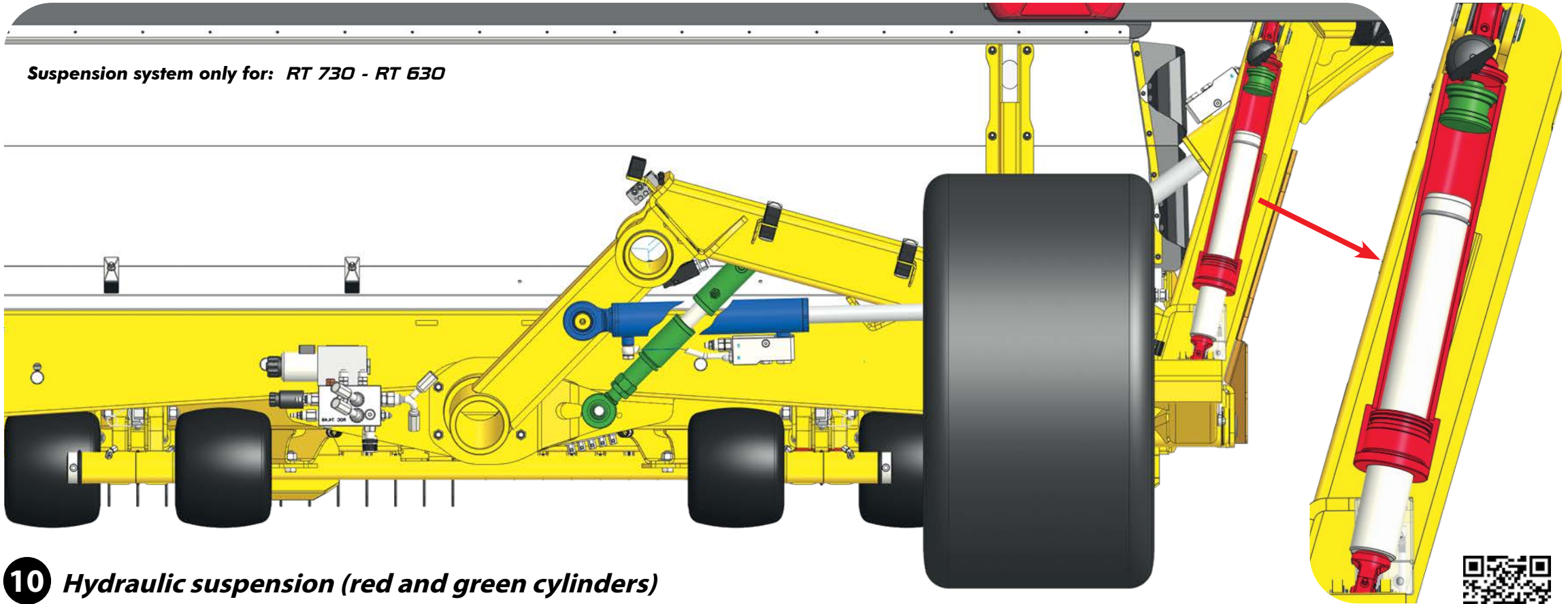
### Key highlights

- Variable working width allowing both side and central swath delivery.
- ✓ **High flexibility:** depending on the crop volume and field conditions, the merger offers a wide range of delivery options.
- ✓ **Pre-swathing:** for a quick drying and color preservation, the merger can make one swath in the center and one on the side, joining them the following day. Or, it can join in a single pass 2 swaths of 5-6 m (16'-20') made the day before with side delivery.

### Main benefits



Suspension system only for: RT 730 - RT 630



## 10 Hydraulic suspension (red and green cylinders)

### Key highlights

- Patented independent hydraulic suspension with 3 cylinders on each pick-up, working with the oil flow of the pick-up and the belt.
- Simple, lightweight and cutting edge suspension system.
- ✓ **Ground tracking:** the hydraulic cylinders secure higher adaptability to bumps and hollows.
- ✓ **Higher working speed:** thanks to the sophisticated suspension system, the merger can reach a speed of 20 km/h (12 mph), depending on field conditions.
- ✓ **Adaptability to hills:** the independent suspension system on each pick-up allows the merger to adapt to hills and mountains.
- ✓ **Less wear:** the suspension system lightens the load on the wheels under the pick-ups, thus increasing the lifetime of mechanical components.

### Main benefits



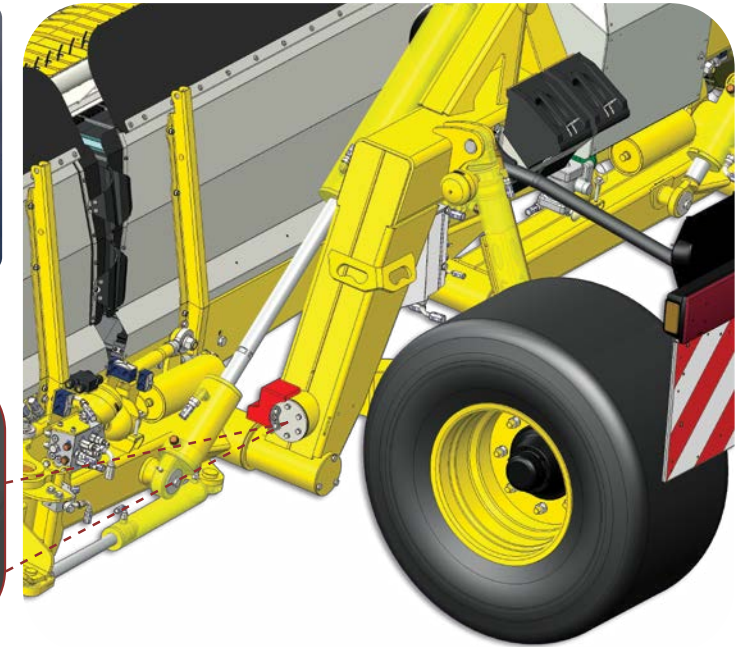
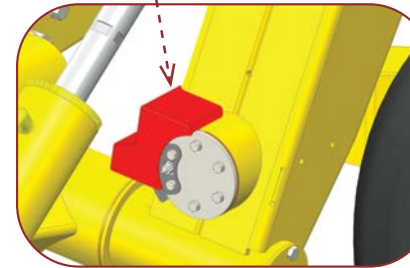


## STANDARD



**Standard for model RT 880 - RT 870 - RT 730 - RT 630**

## STANDARD



**Automatic and Manual Switch off Belts Standard for all trailed models**

## OPTIONAL



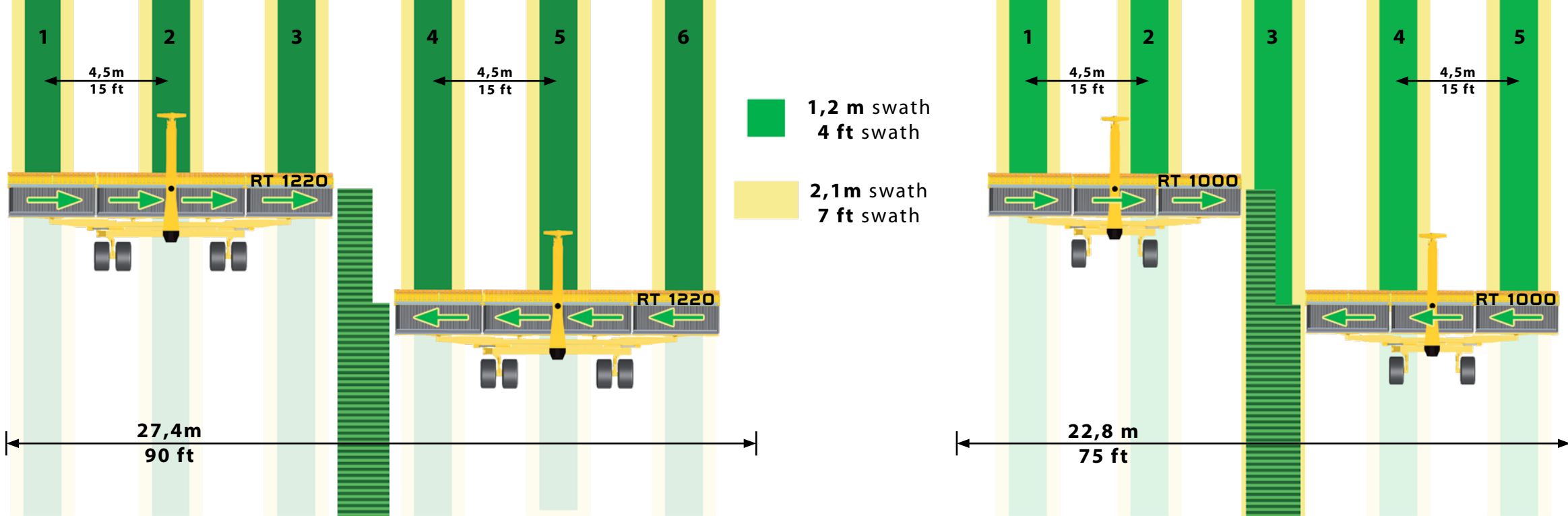
**Optional for RT 950 (side pick-ups only) - RT 880 - RT 870 - RT 840 - RT 730  
Standard for RT 1150 - RT 1000 - RT 380 , Not available for RT 630**

## OPTIONAL

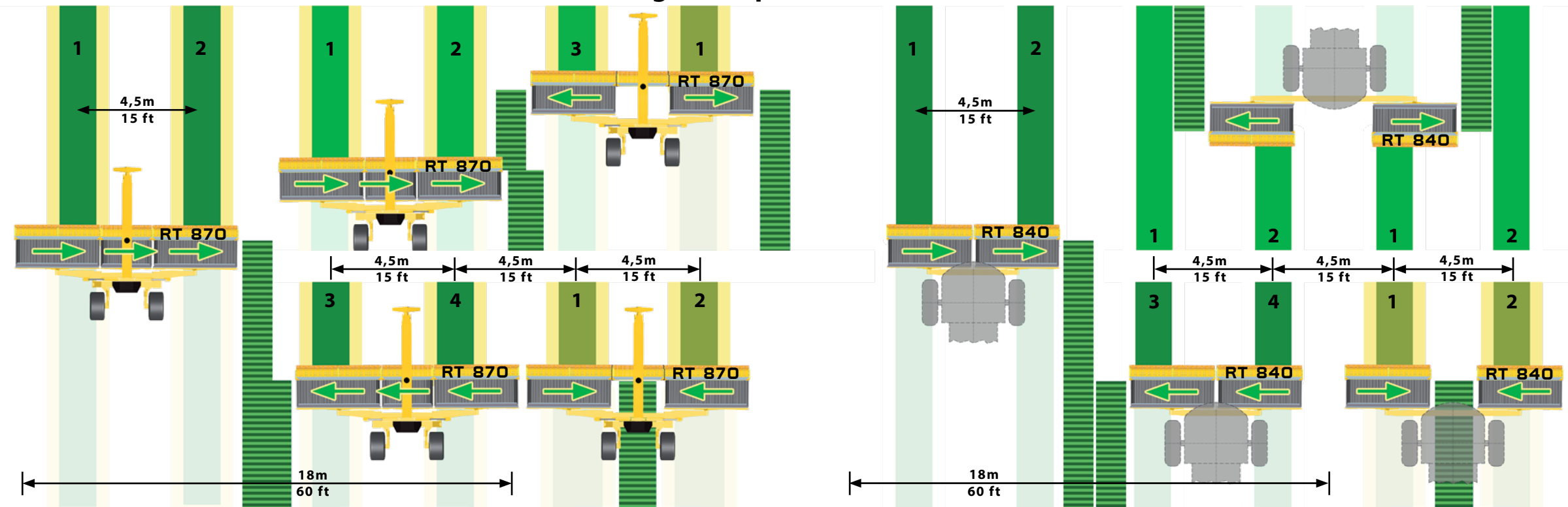


**Automatic grease system Optional for all trailed models**

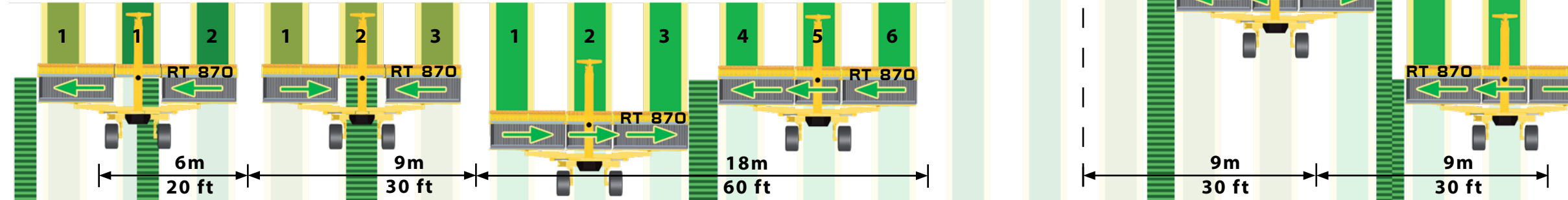
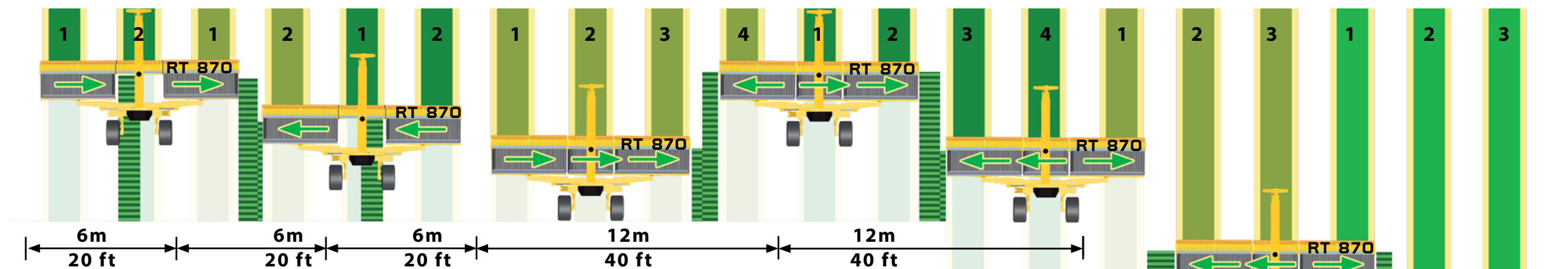
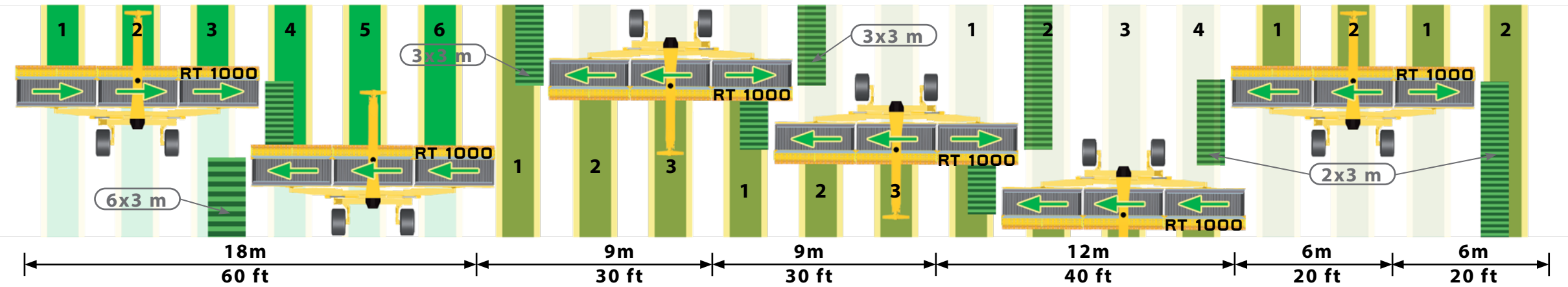
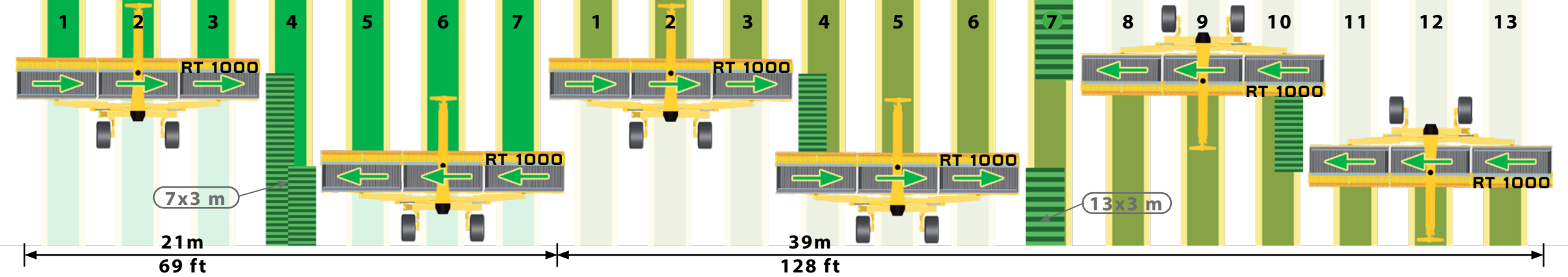




### swathing example with 15 ft mower

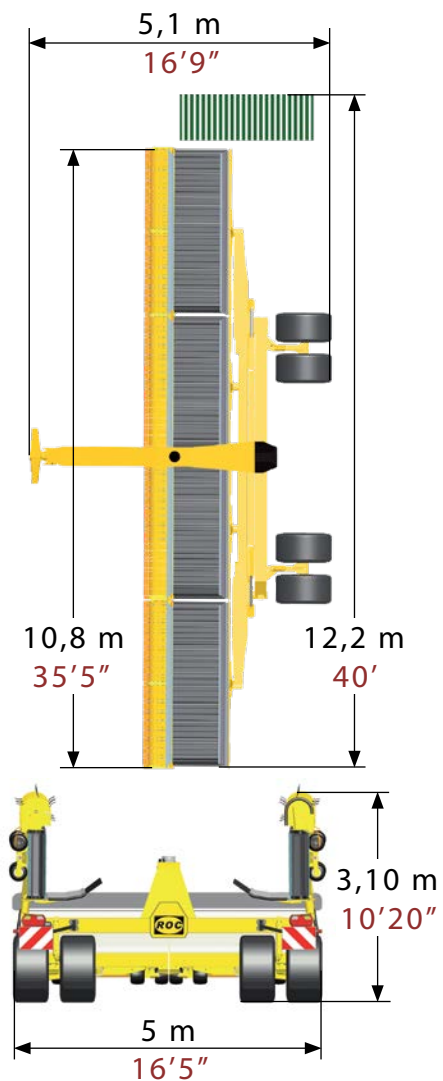








# RT 1220



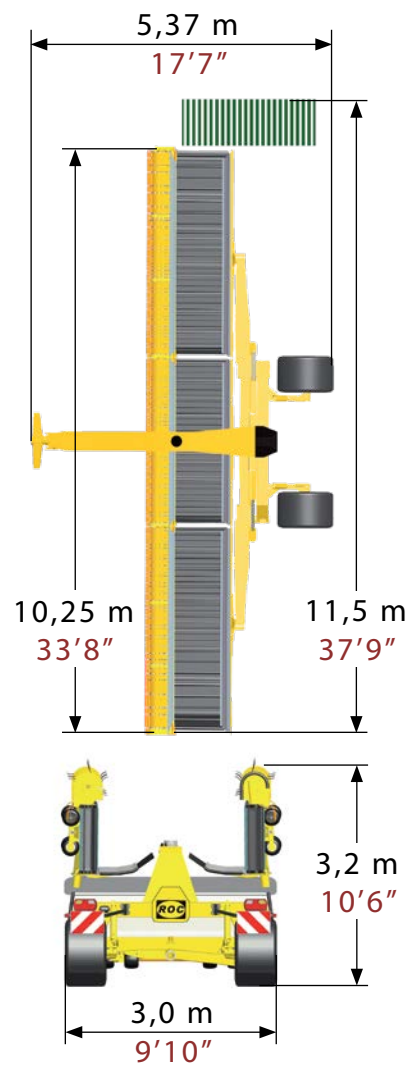
5990 kg  
13205 lb

110 hp  
82 kw  
min.power  
60 l/min 16 gpm  
n.5



520/50 R17

# RT 1150



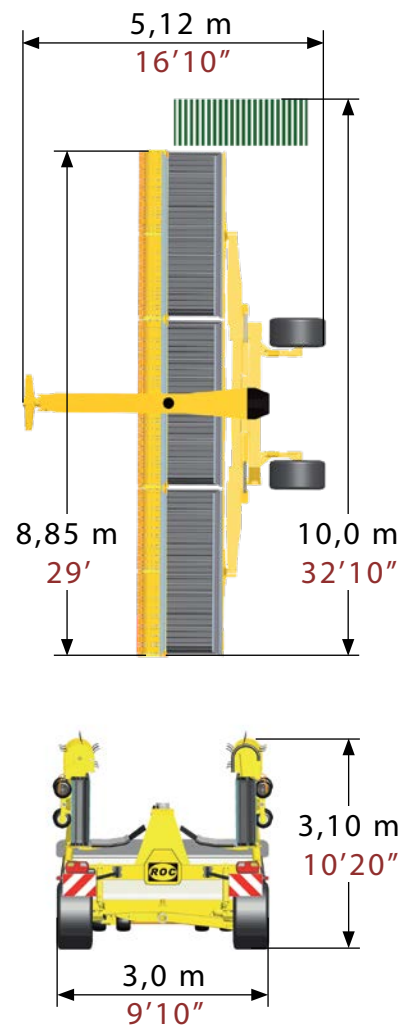
6340 kg  
13977 lb

100 hp  
75 kw  
min.power  
60 l/min 16 gpm  
n.5



650/40 R22,5  
500/45 R22,5

# RT 1000



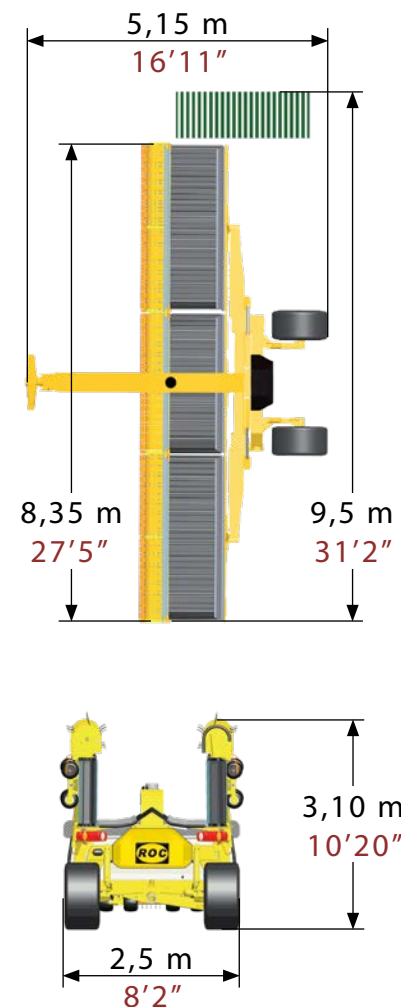
4980 kg  
10980 lb

90 hp  
67 kw  
min.power  
60 l/min 16 gpm  
n.5



520/50 R17

# RT 950



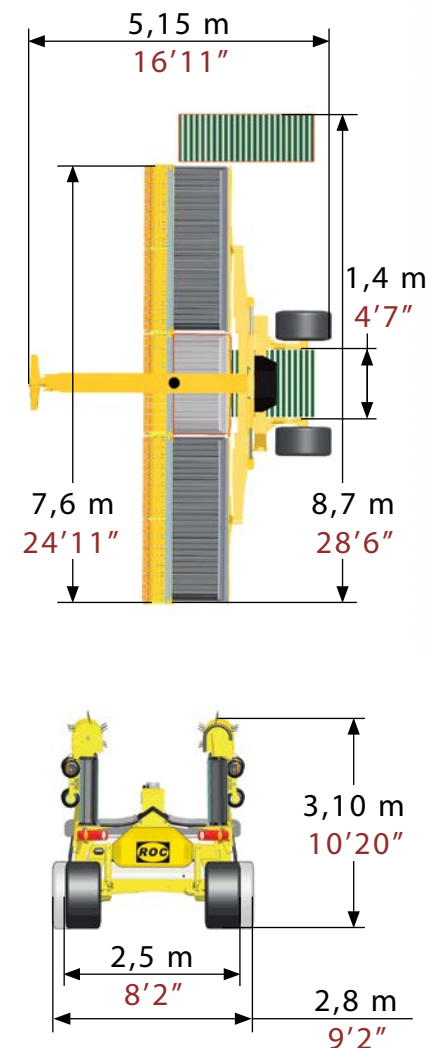
4780 kg  
10538 lb

90 hp  
67 kw  
min.power  
60 l/min 16 gpm  
n.5



520/50 R17

# RT 870



4440 kg  
9788 lb

80 hp  
60 kw  
min.power  
60 l/min 16 gpm  
n.3



520/50 R17



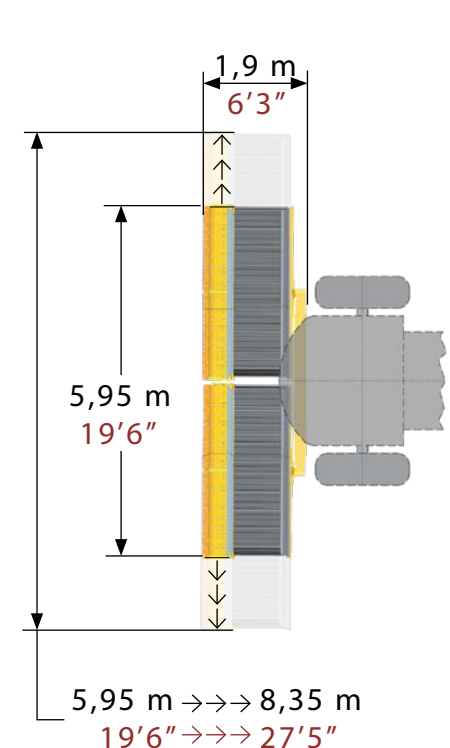
# RT 840

# RT 880

# RT 730

# RT 630

# RT 380



2290 kg  
5048 lb



4950 kg  
10912 lb



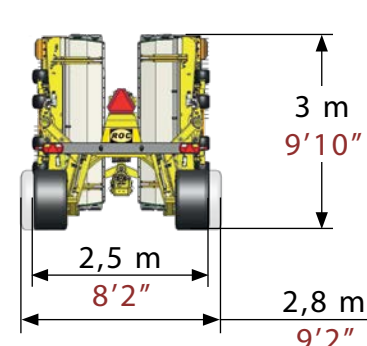
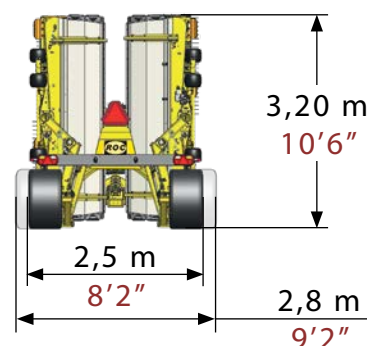
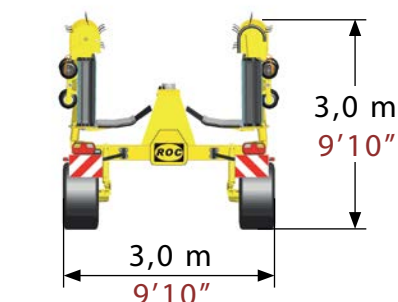
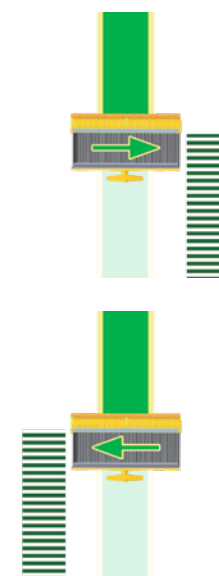
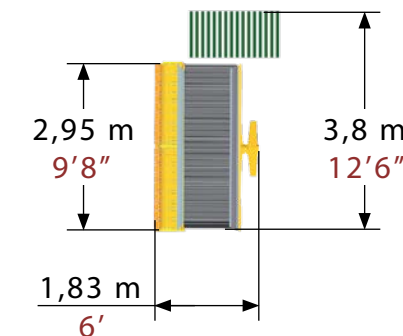
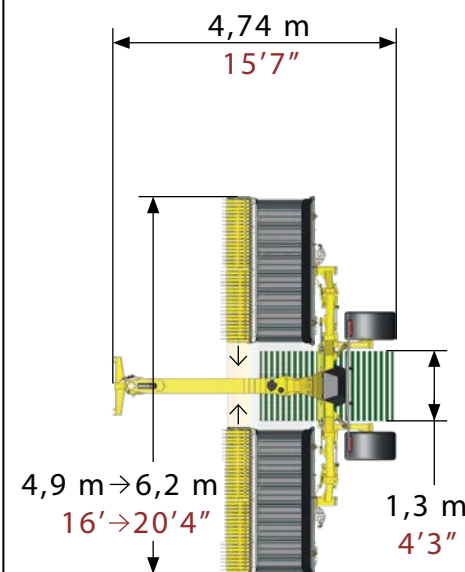
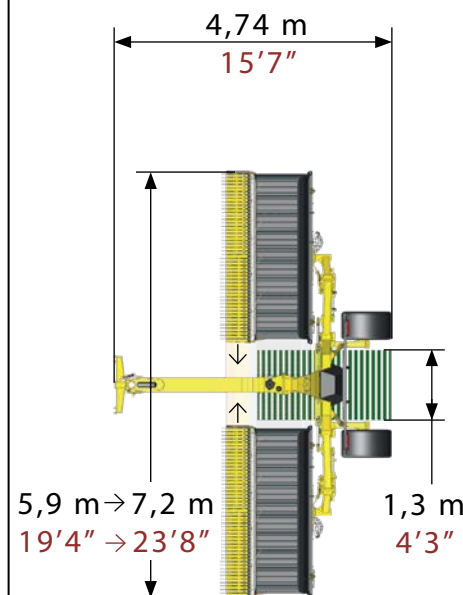
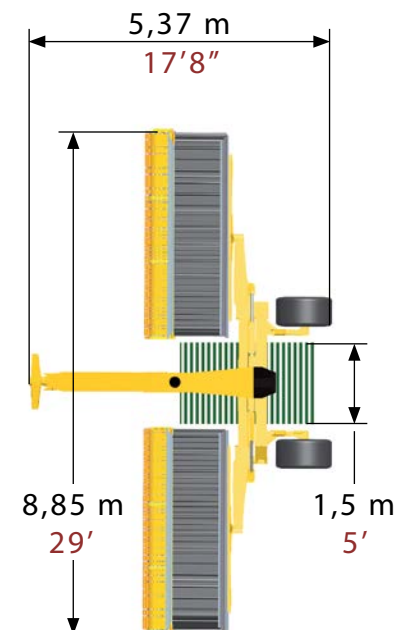
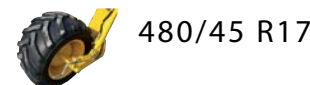
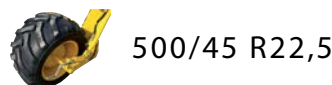
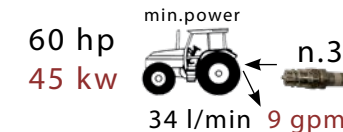
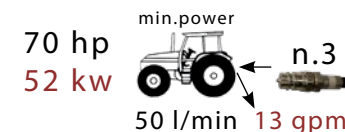
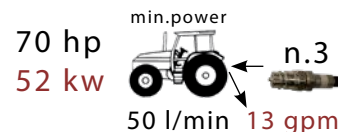
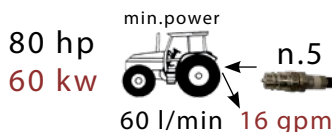
3180 kg  
7010 lb



2950 kg  
6503 lb



963 kg  
2123 lb

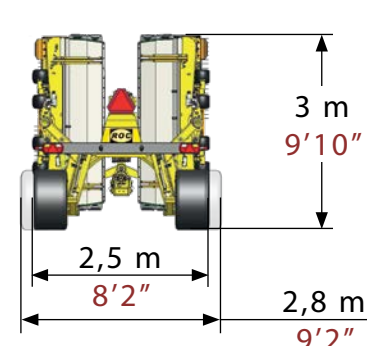
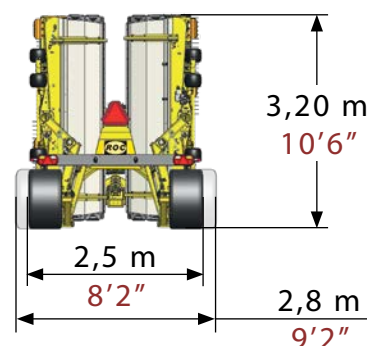
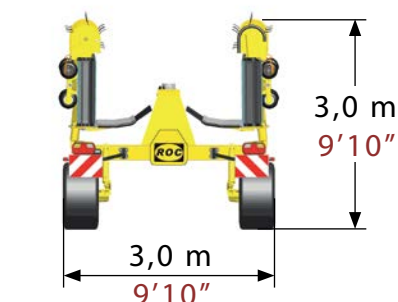
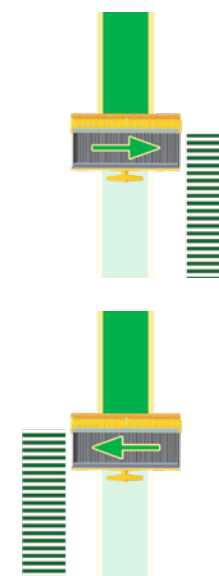
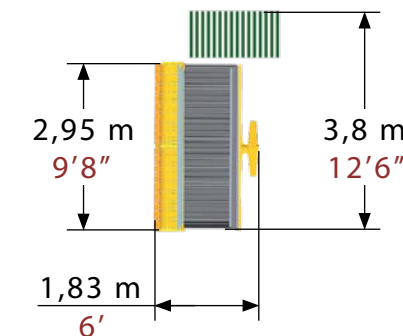
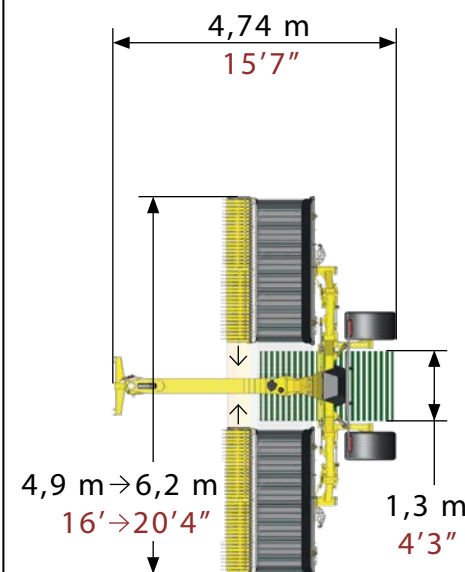
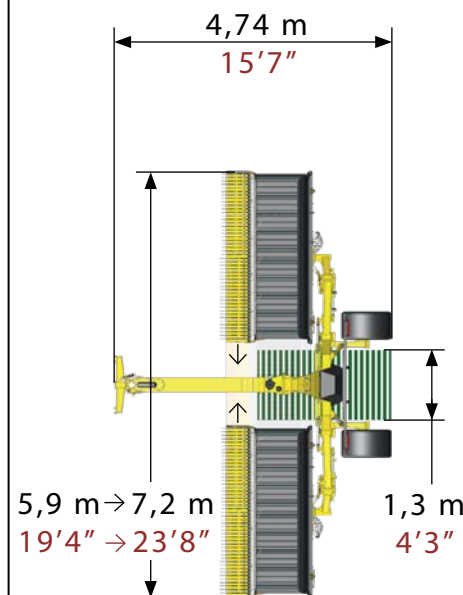
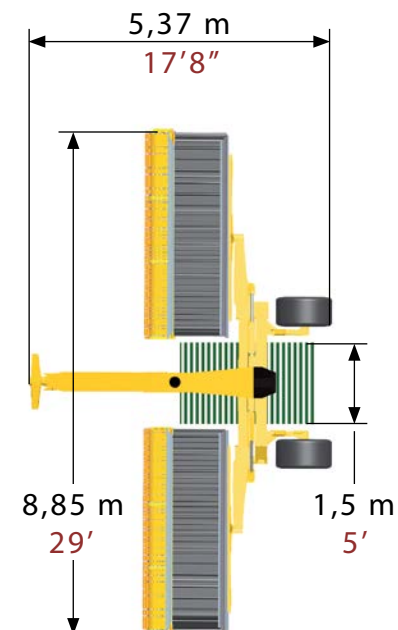
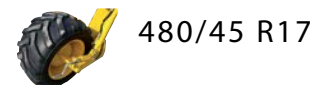
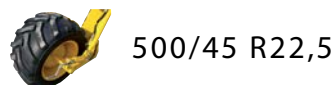
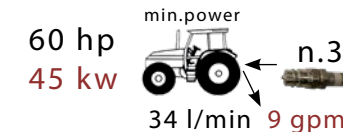
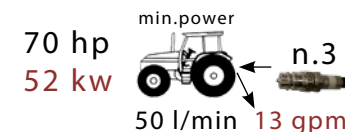
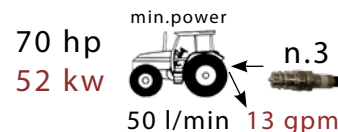
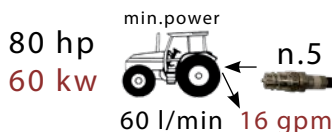


80 hp  
60 kw

70 hp  
52 kw

70 hp  
52 kw

60 hp  
45 kw

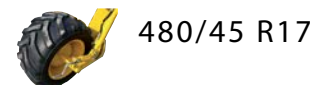
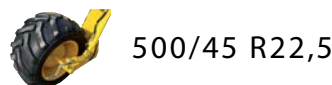
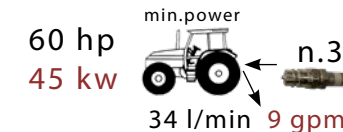
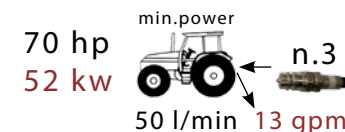
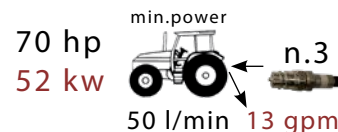
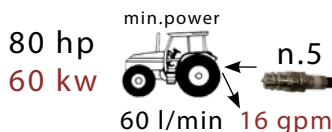


80 hp  
60 kw

70 hp  
52 kw

70 hp  
52 kw

60 hp  
45 kw







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The main ROC customer is the biggest dryer plant in the world and it's located in France. This industry works with 14 ROC mergers and makes with them 22.000 ha of alfalfa 4-5 times per year.

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