



**FERRI**

**ZHE2500**

**Offset – slope mower  
Farmer and Professional**

# FERRI

## ZHE2500

## End users - Applications- Tractors

### End users :

- Farmers
- Contractors
- Upkeepers of green areas
- Councils

### Type of application:

- Vegetation mowing

**Tractor Power: 100 ÷ 160 HP**

Tractor HP	90	100	110	120	130	140	150	160	170
ZHE2500									

- Lower linkage Cat II and Cat III

## **Standard equipment & Options**

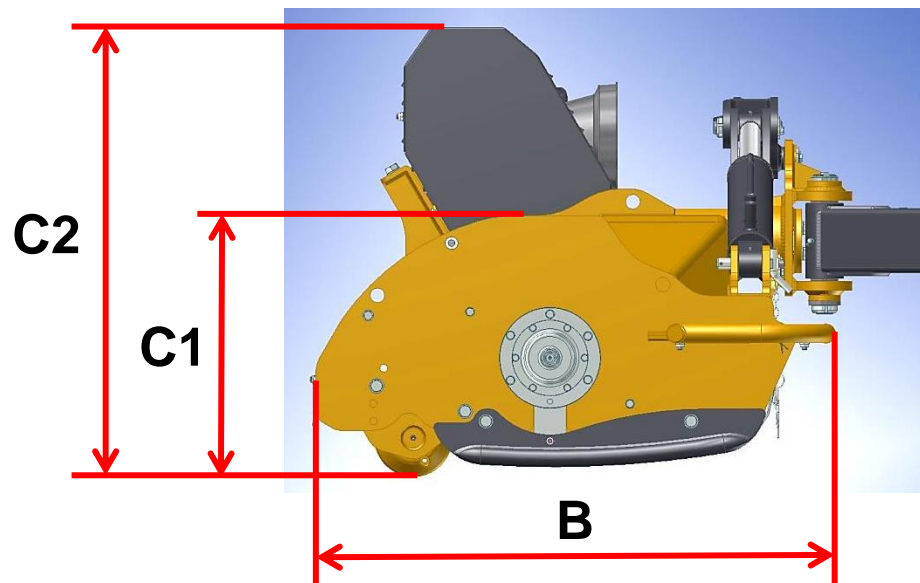
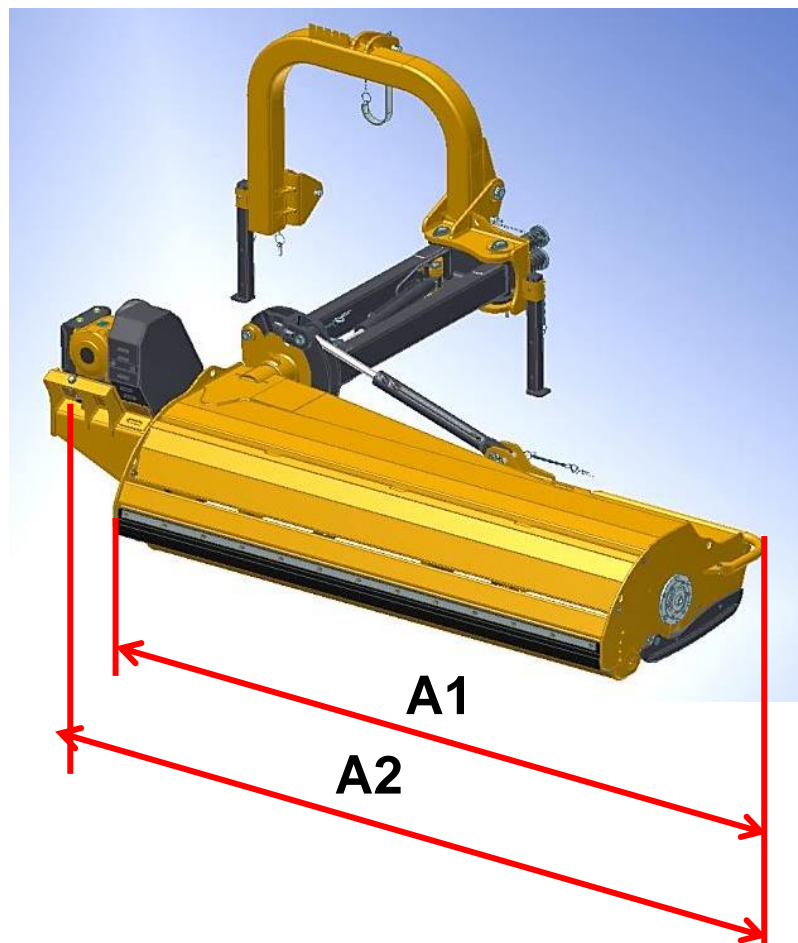
### **Standard:**

- Rotor with Hammer blades
- PTO 540 Rpm
- Hydr. Hoses with quick coupling
- Replaceable and wear resistant side skids
- 5 belt transmission with protection cover
- Gear box with free wheel
- CE gards
- Front protection with steel flaps
- Rear protection with rubbercloth
- Height adjustable rear roller
- Right Hand drive

### **Option:**

- Y flails
- Wideangle PTO SHAFT

### Flail head dimensions



(\*) including the  
protecting steel  
tube  
(\*\*) with the roller  
in the lowest  
position

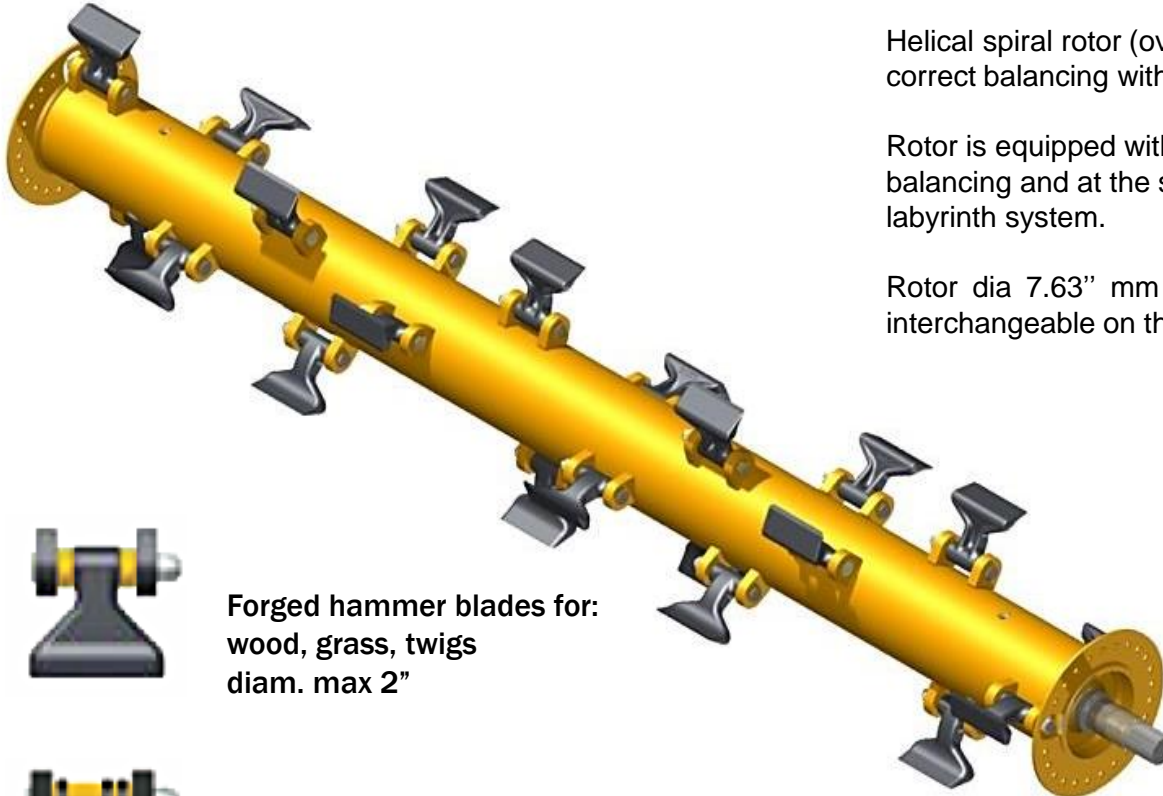
		ZHE2500
A1 (*)	Cm/in	261 – 102"
A2 (*)	Cm/in	308 – 121"
B (*)	Cm/in	117 – 46"
C1 (**)	Cm/in	62 – 24"
C2 (**)	Cm/in	103 – 40"

### Rotor

Helical spiral rotor (overlap) which permits a high coverage and a correct balancing with less vibrations

Rotor is equipped with balance plates which permit an accurate balancing and at the same time they function as impurity safety labyrinth system.

Rotor dia 7.63" mm and 0.40" thick – hammer and Y flail are interchangeable on the same rotor



Forged hammer blades for:  
wood, grass, twigs  
diam. max 2"



Multi-use "Y" blades for:  
Grass, bushes, shrubs, sticks.  
diam. max 1 1/2"

Hammer  
q.ty

26

Y flails  
q.ty

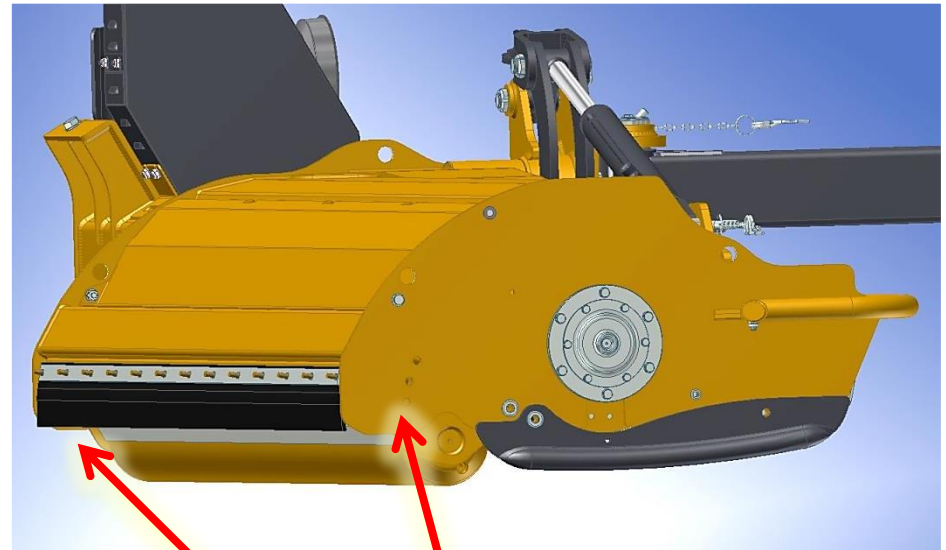
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### Rear Roller



Rear roller provided  
with scraper.

Rear roller dia.: 6.61"  
Roller thickness: 1.77"



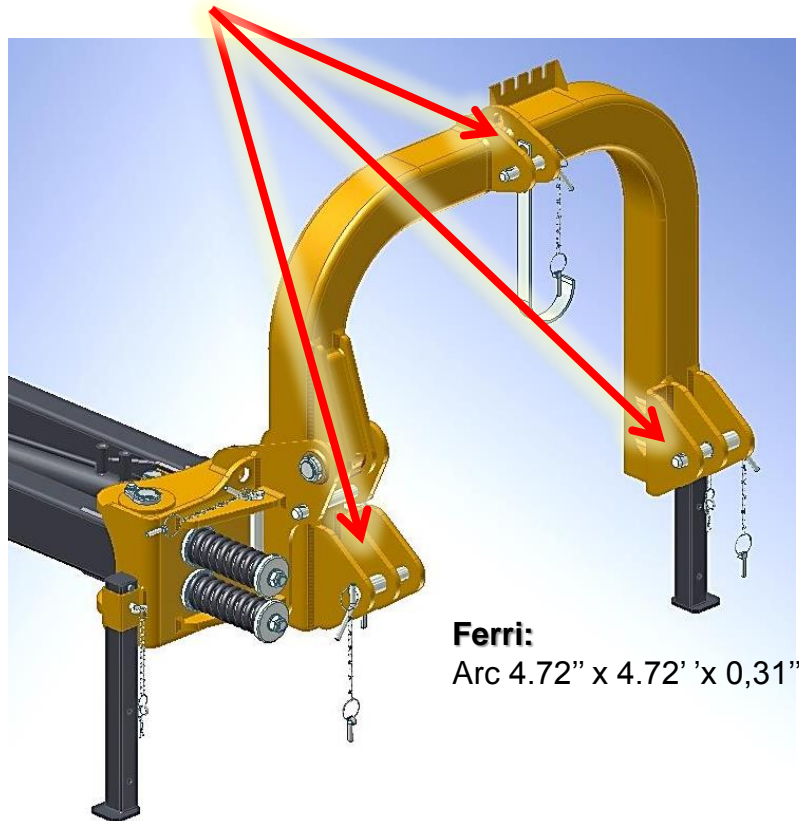
The rear roller is secured to the side  
wall through bolts. The roller is  
adjustable in 4 positions

Free discharge area is after the  
roller. The cut material is not  
pressed by the roller and the  
roller stays cleaner

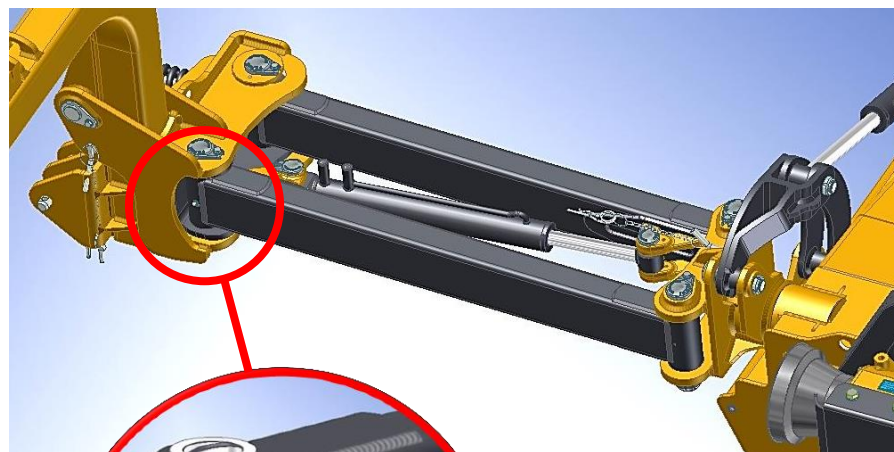


### 3 P Linkage

3P linkage suitable for CAT II and CAT III

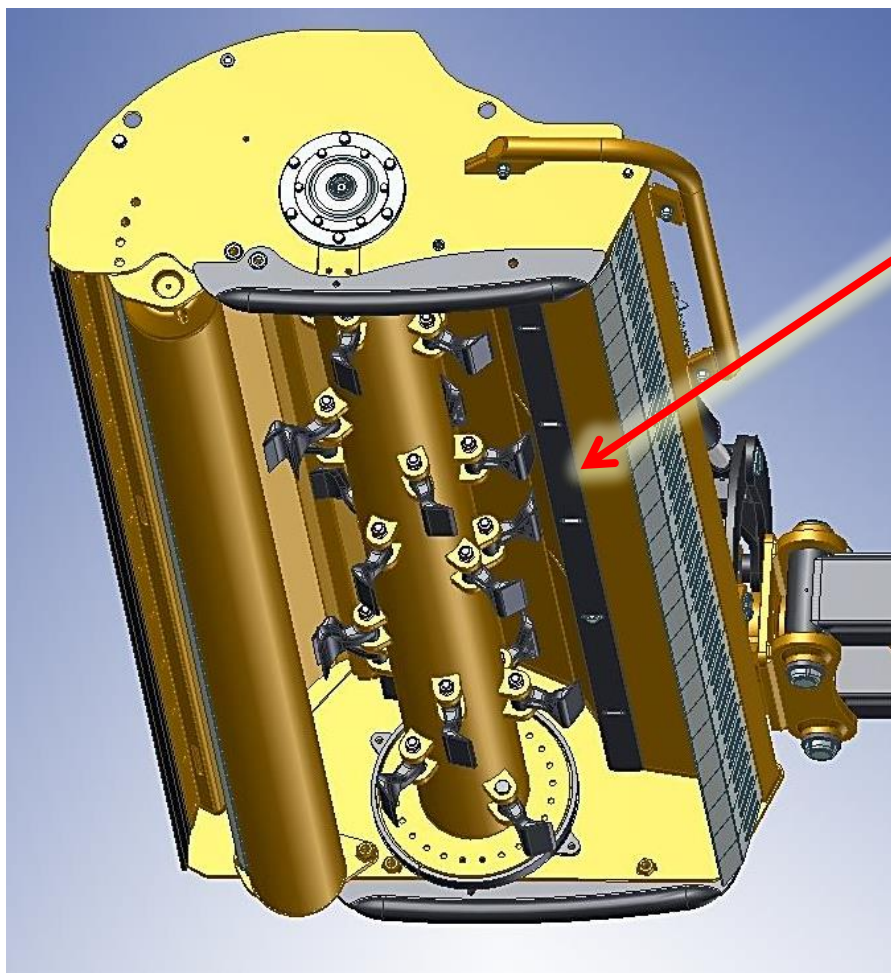


Parallel arms



**Ferri:**  
arm 5.5" x 3.15" x 0.24" mm

### Counter blade and stands

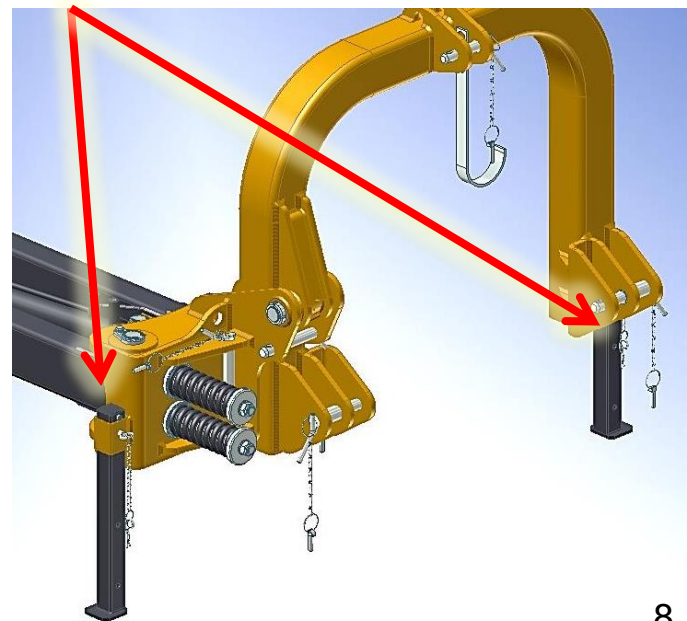


#### Counter blade

an Adjustable counterblade is provided, the cutting quality can be arranged by the customer depending on the blades utilized

#### Stands

For better stability 2 stands are provided





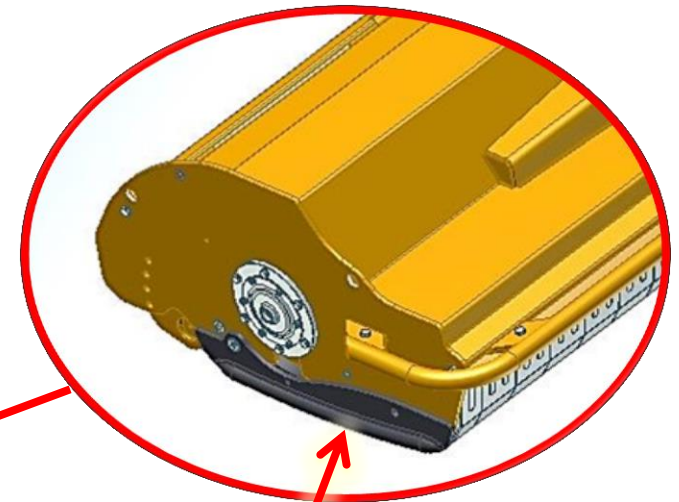
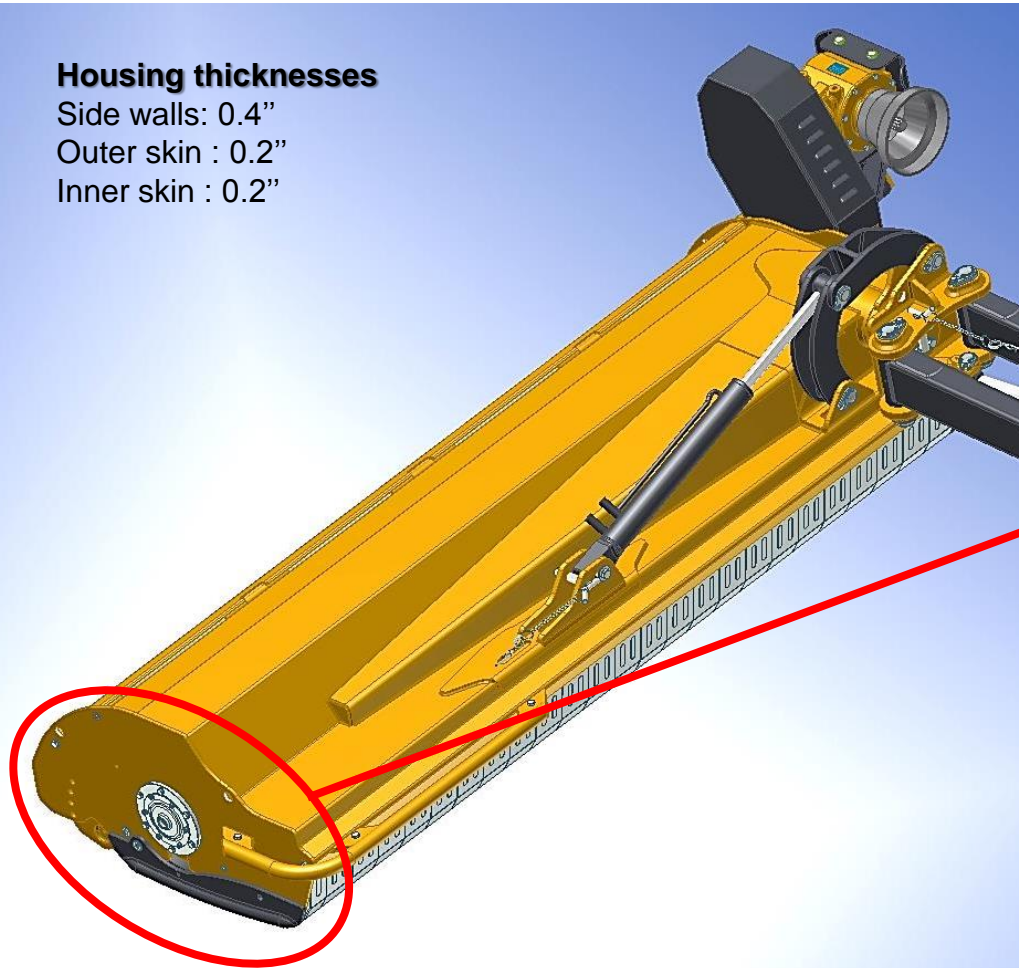
### Housing : thickness and side skids

#### Housing thicknesses

Side walls: 0.4"

Outer skin : 0.2"

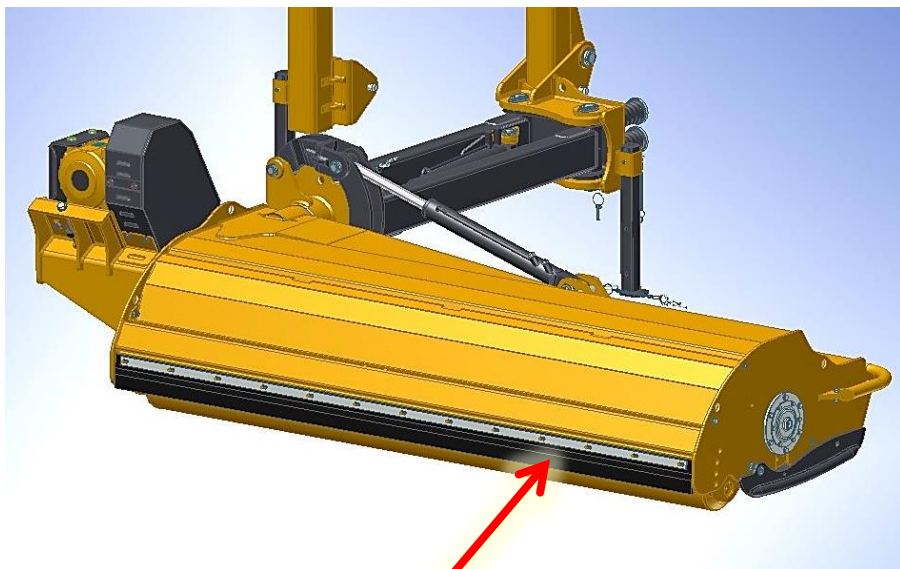
Inner skin : 0.2"



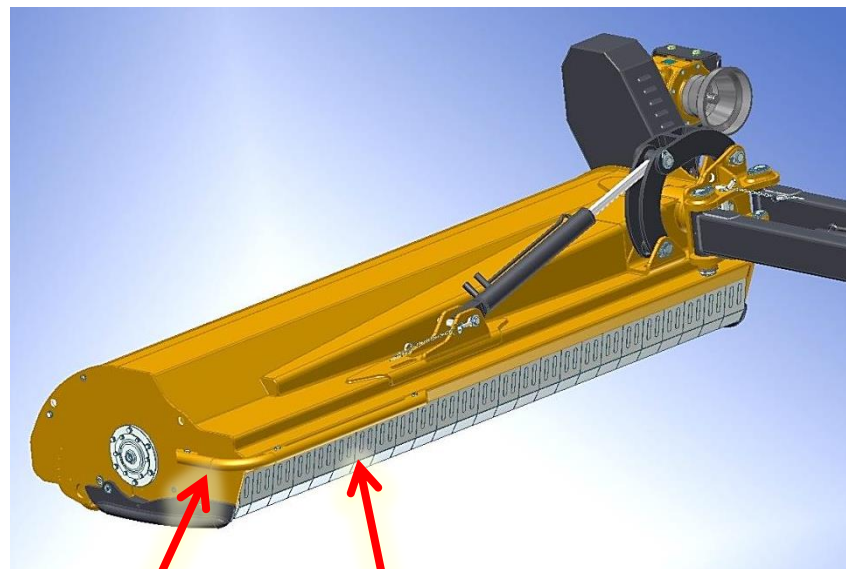
#### SIDE SKIDS

Side skid are rounded to allow less friction during the side shift in operation

### Frame protections



Rear protection with rubbercloth.

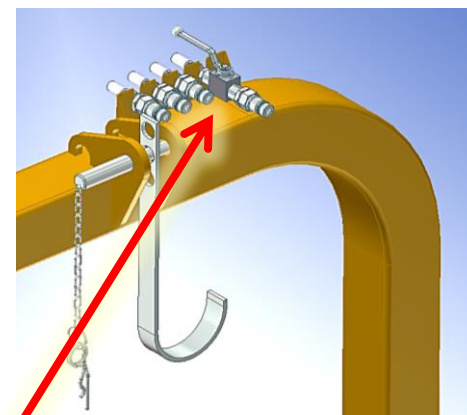
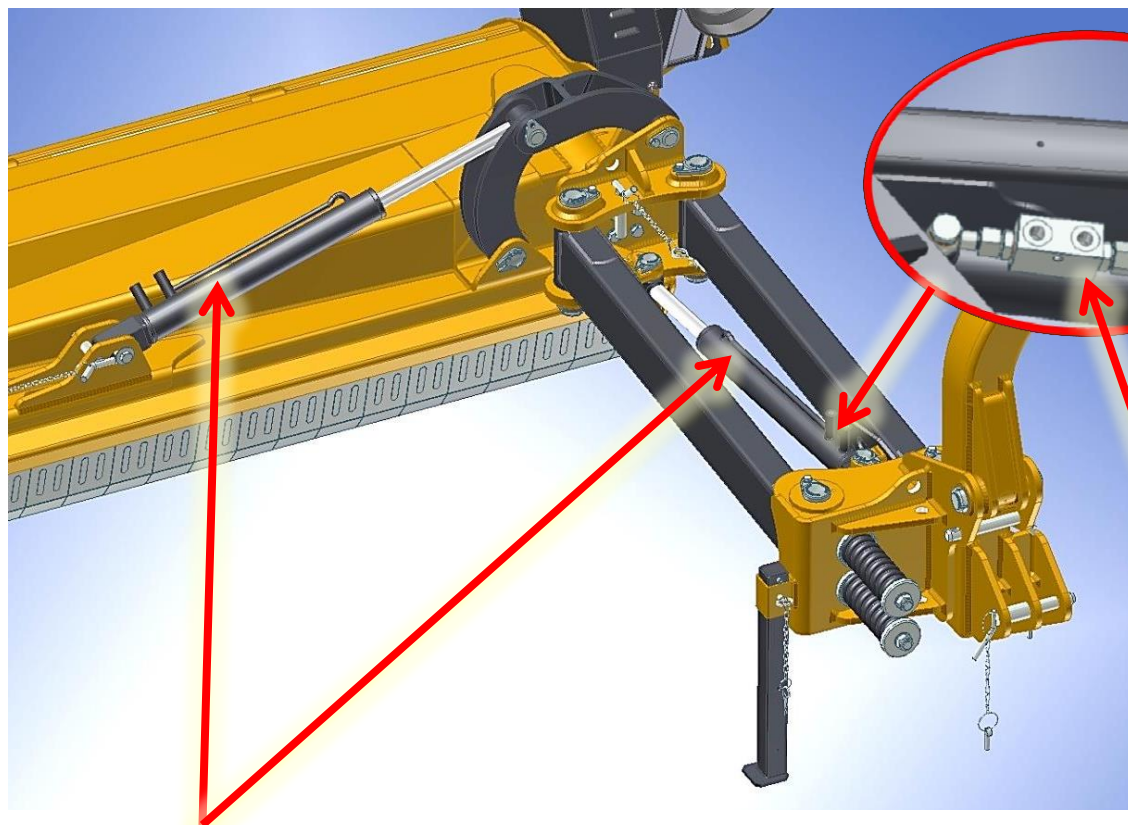


Tube for front edge protection in case of hitting obstacles (beams, trees, posts)

Front protection with steel flaps

If damaged the tube can be easily replaced

### Hydraulic system: hoses and valves



**Tap on the line controlling the head rotation**

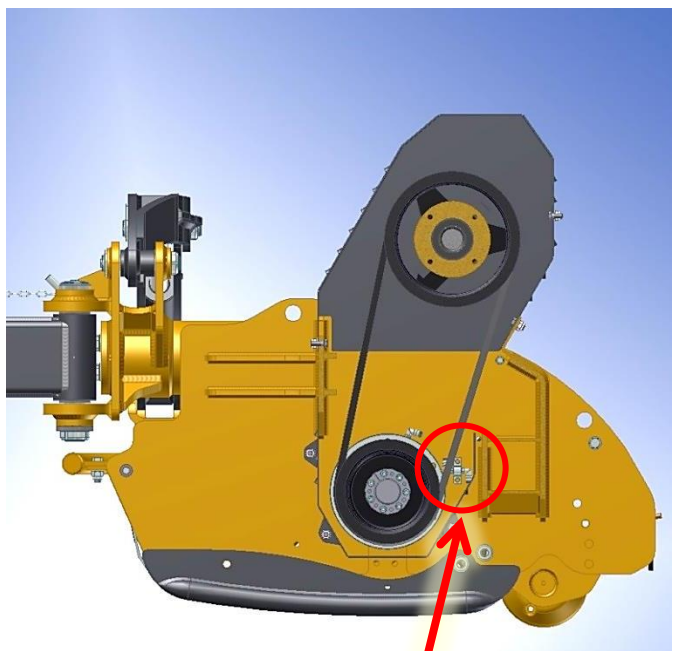
**Built in block valve positioned on the ram inside the parallel arms**

- The secure the rigidity of the flail head and structure during transfer
- No need to use locking pins

All pipes of the two rams control the sideshift and flailhead angle are equipped with quick couplings

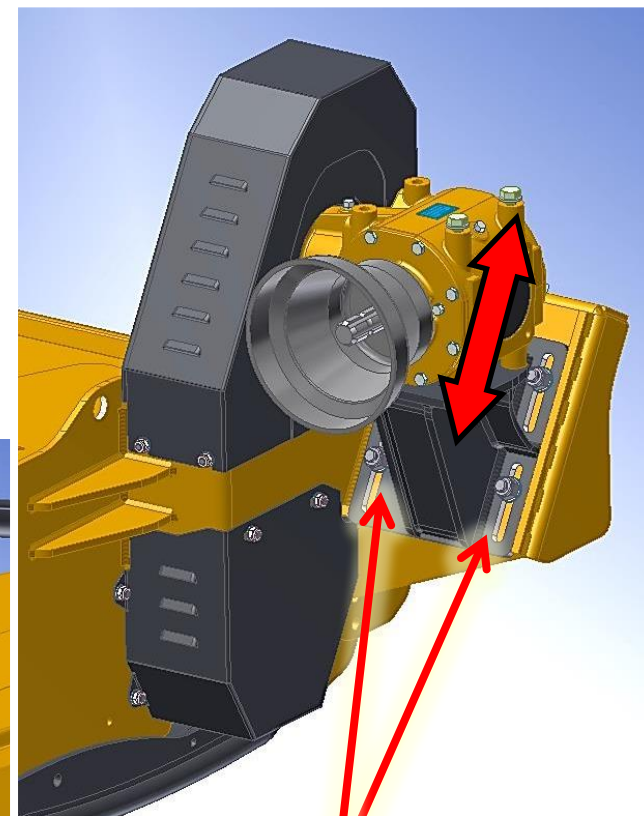
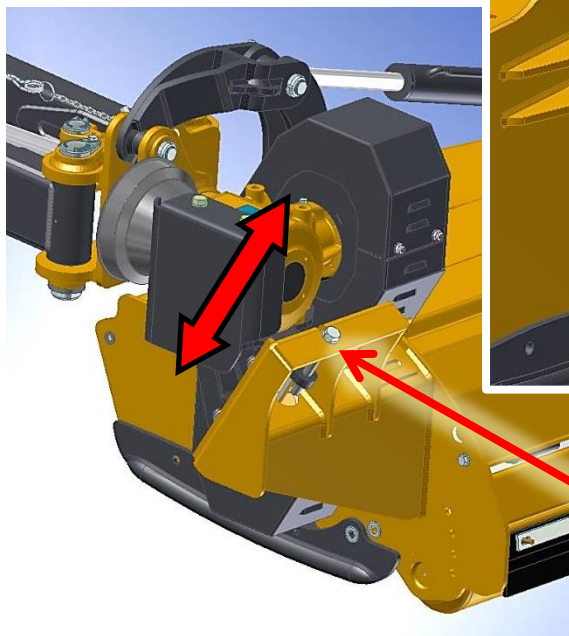


### Belt transmission



Greaser is positioned in a protected place

5 belts provided



Belt tensioning is obtained by sliding the gearbox support after loosening the bolts that secure it on the frame.

### Frame features

#### FLOATING HEAD

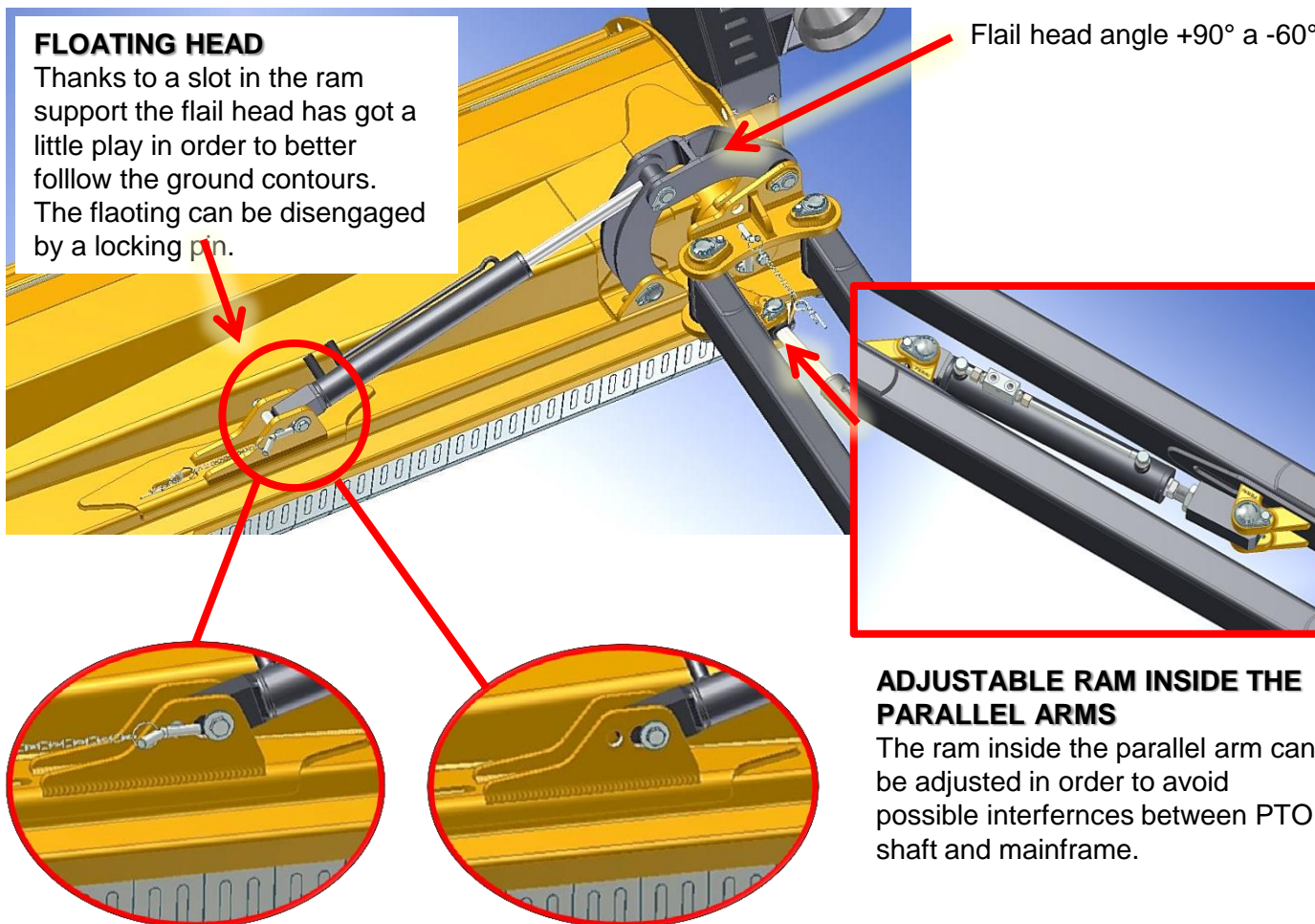
Thanks to a slot in the ram support the flail head has got a little play in order to better follow the ground contours. The floating can be disengaged by a locking pin.

Flail head angle  $+90^\circ$  a  $-60^\circ$ .



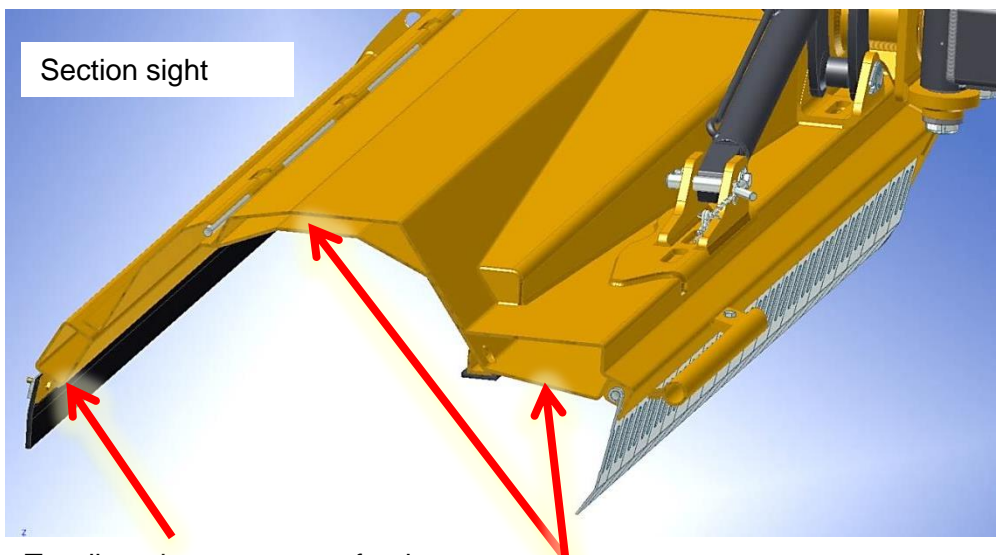
#### ADJUSTABLE RAM INSIDE THE PARALLEL ARMS

The ram inside the parallel arm can be adjusted in order to avoid possible interferences between PTO shaft and mainframe.





### Flail head constructive solutions

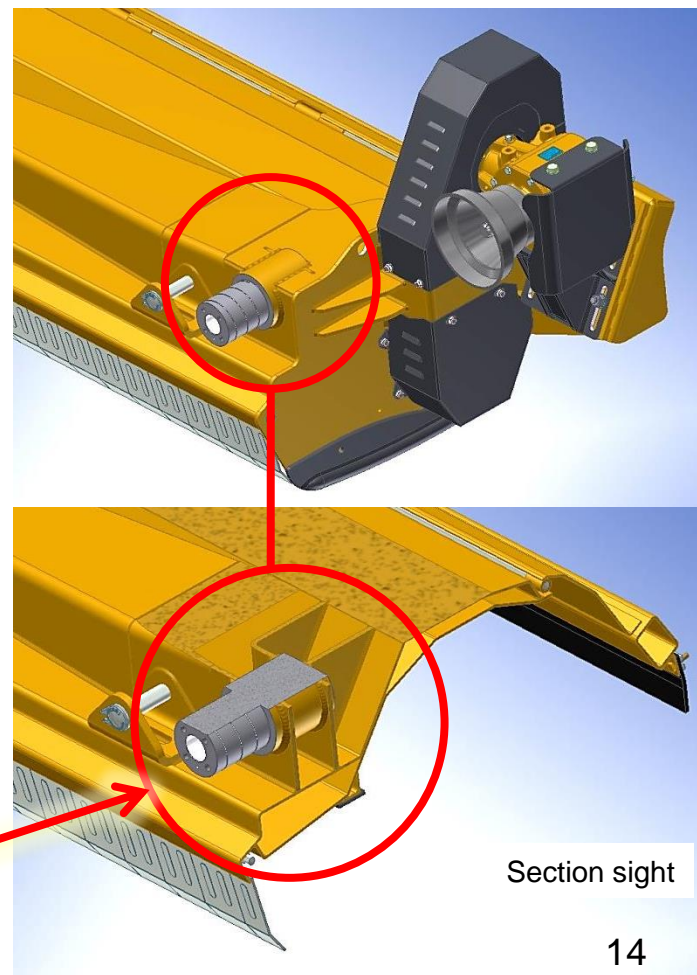


To allow the presence of a large rear hood for rotor inspection, a quite important reinforcement is given by a 100x60x5mm longitudinal tube.

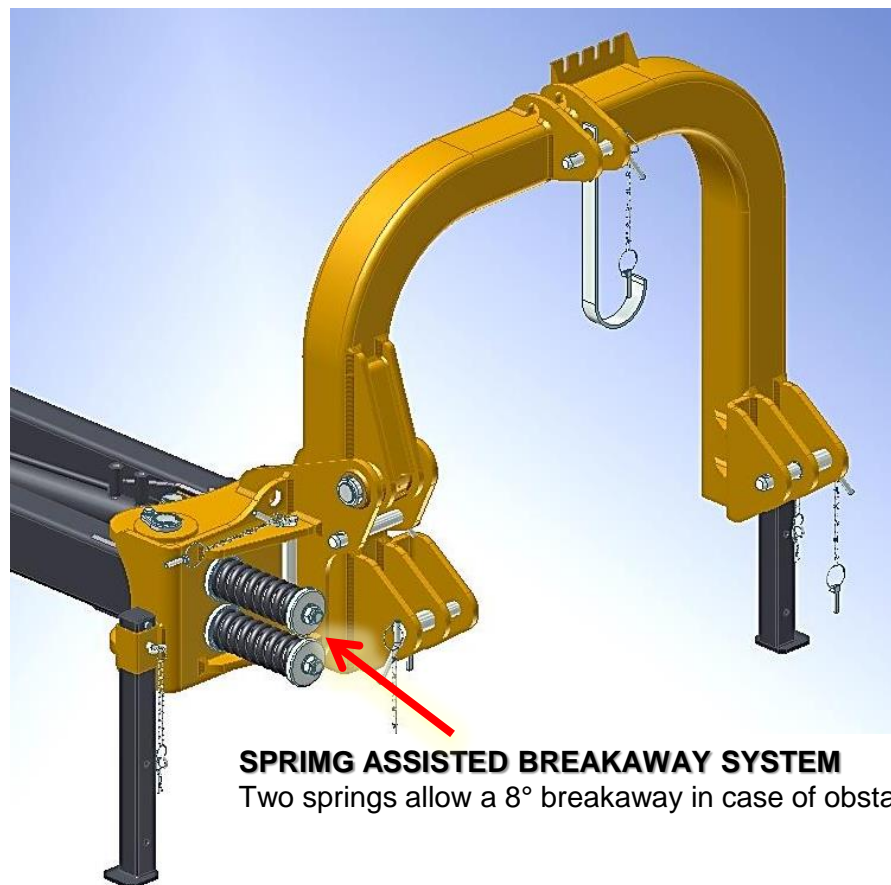
#### DOUBLE SKIN

The main housing frame is provided by a double skin structure. The lower and upper layer. The goal is to provide the right rigidity and strength for the torsion and forces the machine is subject when in the field.

Particular attention was given to strengthen the main pivot point.

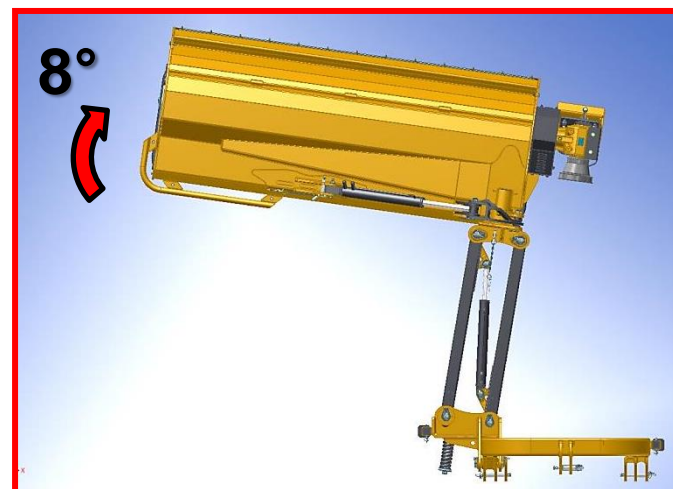
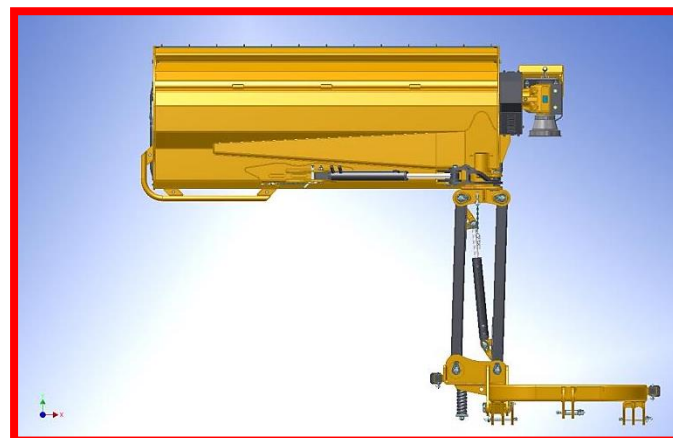


### Spring assisted breakaway system



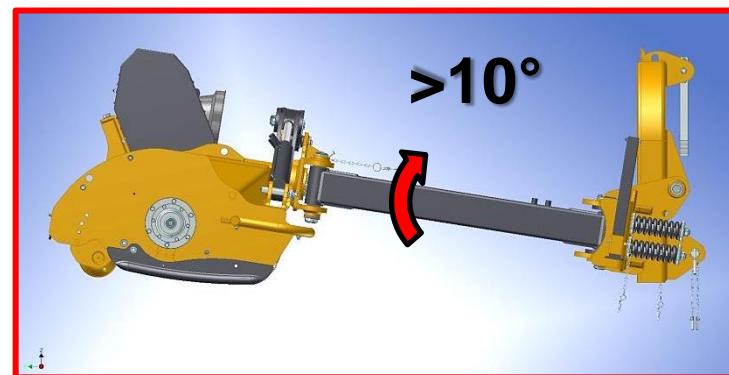
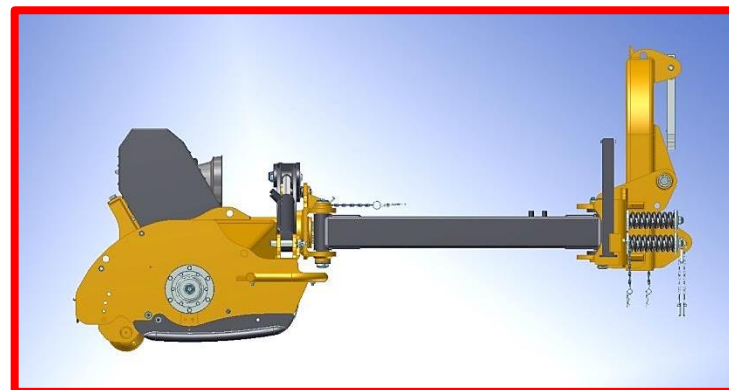
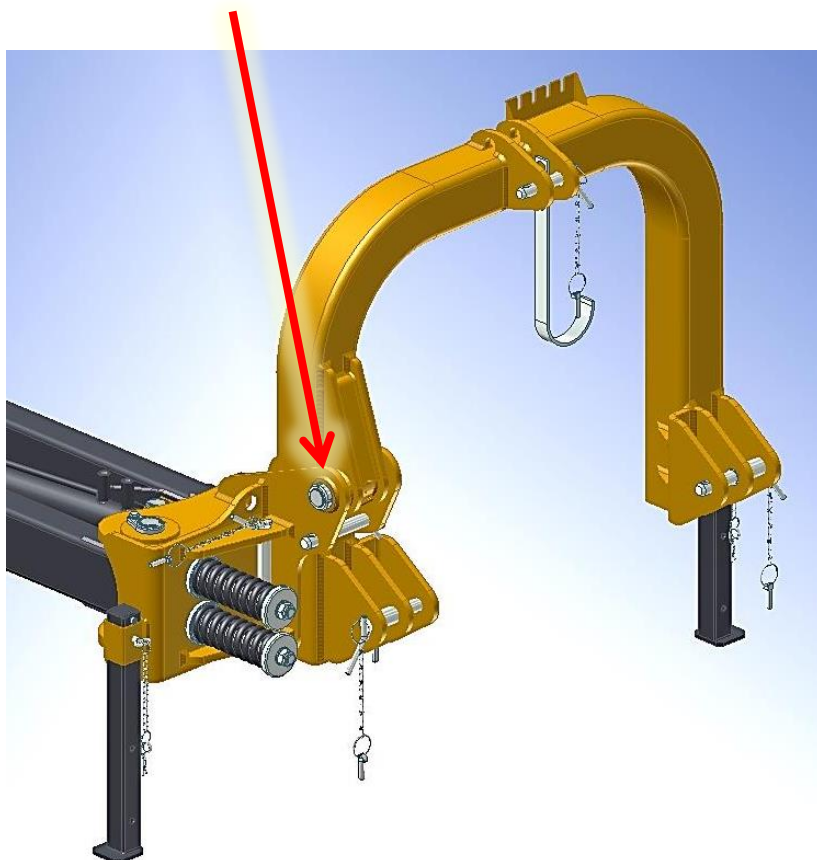
#### SPRING ASSISTED BREAKAWAY SYSTEM

Two springs allow a 8° breakaway in case of obstacles.



### Safety solutions

The pivot point on the 3P linkage allows the frame to move up to  $10^\circ$  upwards allowing the overcoming of small obstacle on the field during the job



# FERRI

## ZHE2500

		ZHE2500
Tot weight without PTO	Lbs	3130
Working width	Inches	98.4"
Cutting width (hammer and Y flails)	mm	95"
Max power absorbtion	HP / kW	78 / 57,3
Belt drive	n° / Type	5 / SPBX
Ram max pressure	PSI	2900
PTO	RPM	540
Rotor	RPM	~2140@540PTO
Blade tip speed	feet/s	~170@540PTO
Rear roller diameter and thickness	inches	6.6" / 1.77"