



RSM

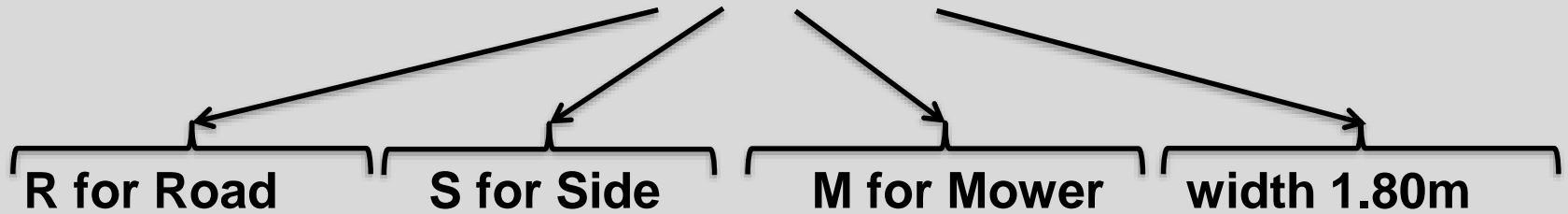


RSM 180/210 Roadside mower





### RSM 180



- ↪ Rear mounted roadside mower
- ↪ Tool designed for roadside maintenance
- ↪ Machine adaptable on low power tractors (65-120 HP)



RSM

# Chassis



1. frame structure made up of welded parts for high rigidity
2. articulations fitted on bushes with cells ou cavities, pins stopped from rotating
3. Compact attachment for a center of gravity close to the tractor



1. Driven by 4 V-belts
  2. Large diameter pulleys for improved power transmission
  3. Automatic belt tensioning device
- ↪ Reliability and reduced maintenance costs



- ✓ 540 min<sup>-1</sup> drive
- ✓ 82 hp/60 kW gearbox coupled at the end of the rotor
- ✓ Free wheel integrated in the gearbox



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## Mowing unit



- ✓ Casing made up of a front beam and rear beam for high rigidity
- ✓ Front guard bar to protect from shocks



- ✓ Casing protected by a bolted 4 mm thick sheet metal lining
- ✓ Casing fitted with a removable counter-knife
- ✓ Hardox® steel bolted wear skid



- ✓ 425 mm rotor diameter of cut
- ✓ Rotor fitted with pivoting hammer knives for excellent mowing quality
- ✓ Forged hammer knife for increased resistance to shocks and wear
- ✓ Tool fitted on a 13 mm Ø torque shackle and a case hardened screw stopped from rotating
- ✓ Possibility to fit Universal flails or hammer knives



- ✓ Support roller Ø 160 mm
  - Removable ends with greasing system
  - Double row angular contact ball bearings
  - Bearing protection by chicanes and sealing device

- ✓ Cutting height adjustable from 34 mm to 141 mm



- ✓ Rotor bearing protection by anti-wrap chicanes



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**Mowing unit**



- ✓ **Mechanical safety in case of hitting an obstacle**
- ✓ **Safety reset by reversing**



- ✓ **Signalling equipment as standard**
- ✓ **Mechanical machine locking for safe transport on roads**





# RSM

## Kinematics



### 1. Leg

- ✓ Leg controlled by a SA cylinder
- ✓ 600 mm side offset range



### 2. Mowing unit

- ✓ Mowing unit angle adjustable with a SA cylinder
- ✓ Tilt angle
  - - 55° in ditch position
  - + 90° in slope position



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## Ground adaptation



Thanks to the two single acting cylinders, the RSM follows ground contours perfectly without the driver having to intervene



**Result : high quality of work for a clean job**





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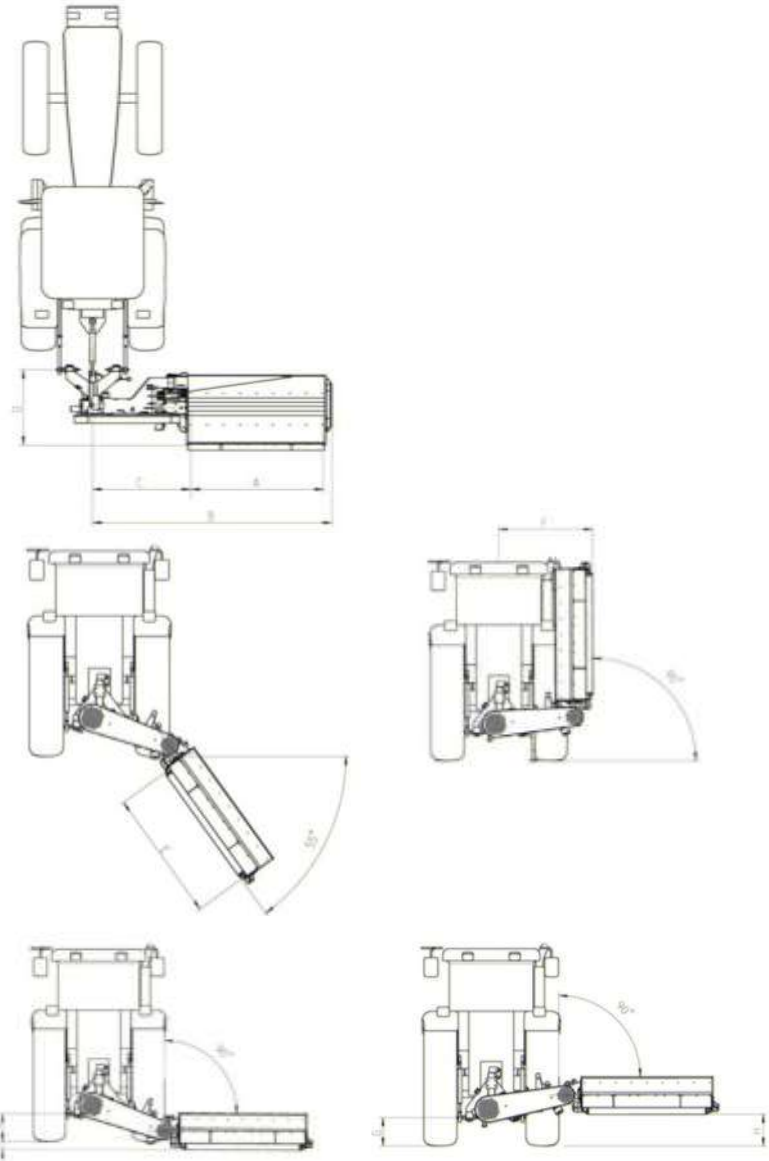
## Equipment



- Attachment frame with side offset
- ✓ 580mm offset
- ✓ offset by sliding frame reducing the overhang and stresses on the structure
- ✓ Possibility to retrofit machines in service



| Technical specifications                  | RSM 180                   | RSM 210 |
|---|---------------------------|---------|
| Position of the mowing unit               | Lateral rear              |         |
| Horizontal travel (mm)                    | 580 as optional equipment |         |
| Vertical travel (mm)                      | 600                       |         |
| Transport height with 40 cm clearance (m) | 2.85                      | 3.15    |
| Shredding unit safety                     | Mechanical                |         |
| Maximum ditch angle                       | -55°                      |         |
| Maximum slope angle                       | +90°                      |         |
| Machine weight (kg)                       | 710                       | 810     |
| Drive (min-1)                             | 540                       |         |
| Drive                                     | 4 V-belts                 |         |
| Working width (m)                         | 1.80                      | 2.10    |
| Rotor diameter (mm)                       | 425                       |         |
| Rotor speed (min-1)                       | 2210                      |         |
| Type of tools                             | Pivoting hammer knives    |         |
| Number of tools                           | 20                        | 24      |
| Roller diameter ( mm)                     | 160                       |         |
| Splash guard                              | Standard                  |         |
| Attachment                                | Cat.2                     |         |
| Minimum tractor power ( kW/hp)            | 48/65                     | 55/75   |
| Recommended tractor weight (t)            | 3                         | 3,5     |



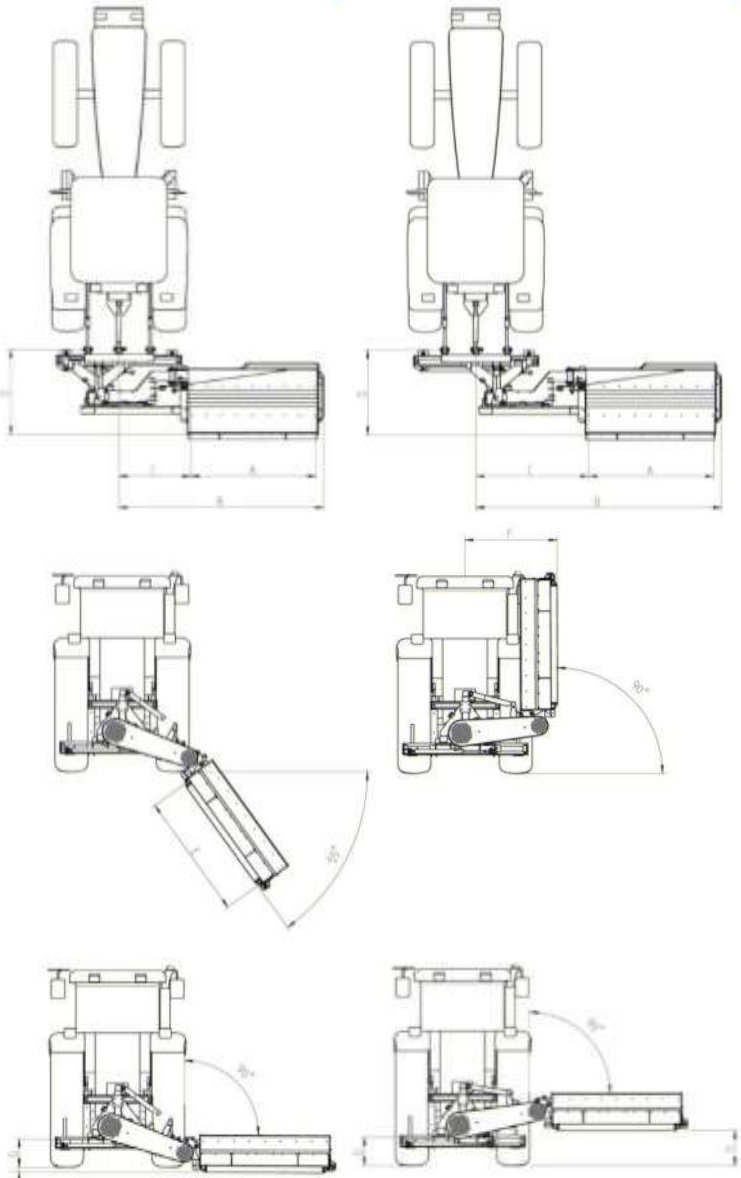
## Standard machine

| Values | RSM 180 | RSM 210 |
|--------|---------|---------|
| A      | 1773    | 2121    |
| B      | 3185    | 3543    |
| C      | 1310    |         |
| D      | 998     |         |
| E      | 1773    | 2121    |
| F      | 1250    |         |
| G      | 400     |         |
| H      | 440     |         |
| I      | 110     |         |





**Machine with offsettable attachment**



| Values       | RSM 180      | RSM 210      |
|--------------|--------------|--------------|
| A            | 1773         | 2121         |
| B min<br>max | 2895<br>3475 | 3253<br>3833 |
| C            | 1020<br>1600 | 1020<br>1600 |
| D            | 1205         |              |
| E            | 1773         | 2121         |
| F            | 1250         |              |
| G            | 400          |              |
| H            | 500          |              |
| I            | 60           |              |

