



Cast Iron Rollers Series KIOS



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MACCHINE AGRICOLE S.r.l.



CAST IRON CAMBRIDGE ROLLER Series KIOS

The main function of the clod-breaking rollers is to break the clods produced by the ploughing. They are especially recommended for clay and dry soils, favouring the preparation of the ideal seed bed suitable for the seeding machines.

The particular arrangement of the discs make the clod breaking operation more effective and ensures that the clods, that come between the discs, can be broken by the tips and by the different angular speeds of the discs. This principle assures the cleanness of the roller from the soil. Their action contributes to break up more the clods and prepare the surface of the soil suitable for the seeding.

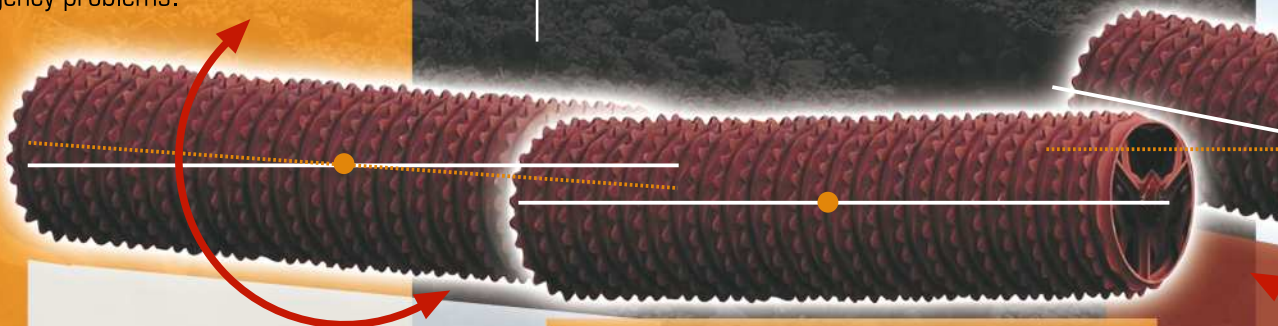
The structure of the three sections of the discs, completely independent, allows an effective use in different situations both for environmental conditions and link to the different crops.

Besides an important clod breaking operation, the KIOS rollers can be used for a constant compaction of the seed bed and the soil around the growing crops, granting a uniform development.

The action of the toothed discs contributes to create a soil porosity that prevents the formation of the plough pan in case of rain after sowing and the consequent emergency problems.

DISC SECTIONS SWIVELLING AND INDEPENDENT CENTRAL BALANCE OF THE SECTIONS Breaking of the clods and not only!

For granting the roller to follow entirely the soil undulation, the disc sections are linked to the frame in a central and balance way, completely independent one to each other. This system permits a uniform and constant distribution of the weight on all the working width. This characteristic is translated in a value added that is bestowed on the soil with the consequence of a yield increase of the interested crops.



CAST IRON ROLLERS

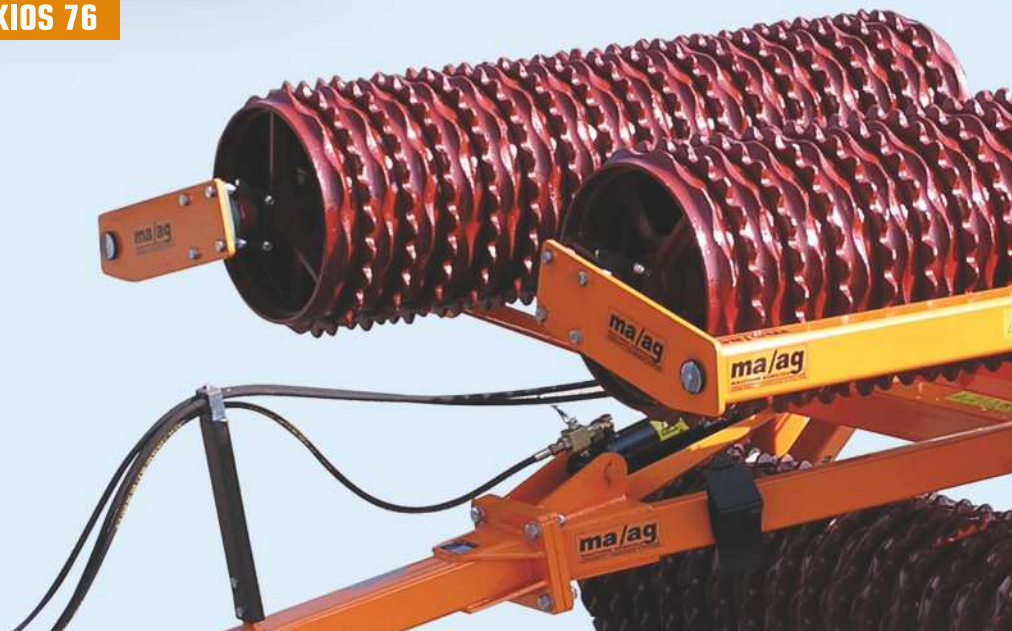
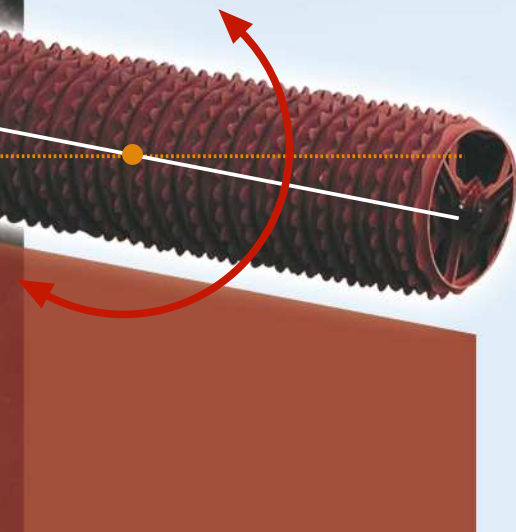
CAST IRON CAMBRIDGE ROLLER

Series KIOS

- Trailed roller in three sections
- Working width from 4.50 to 8.20 m
- Transport width 2,55 m
- Hydraulic folding of the sections in opening and closing
- Independent and swivelling sections
- Floating beam for a better asset on the work configuration
- Cast iron discs type Cambridge undulated and toothed diameter 530 mm
- Iron shaft diameter 70 mm
- Self ranged supports with sealed bearings and greaser



KIOS 76





Various workings + Reduction on crossings = Greater Profits

FRONT ADJUSTABLE LEVELLING BAR

This kit can be applied on all the rollers of the KIOS series for transforming the rollers on a polyvalent machine to be used on different operations for the preparation of the seed bed. The levelling bar is composed of flexible iron blades equipped with anti-wear flat shares. These blades grant an excellent levelling and stress the breaking of the clods. Through a simple mechanical system it is possible to change the clearance of the levelling bar on the soil or, at request, it is possible to operate the levelling bar hydraulically from the tractor.



KIOS 63



TRANSPORT POSITION



HYDRAULIC OPENING OF THE LATERAL SECTIONS

OPENING AND CLOSING

The opening/closing operation of the roller is extremely simple and it is done by the operator without going down from the tractor.

TECHNICAL DATA

| Model | Working Width (m) | Transport Width (m) |
|-------------|-------------------|---------------------|
| KIOS 45 | 4,50 | 2,55 |
| KIOS 53 | 5,30 | 2,55 |
| KIOS 63 | 6,30 | 2,55 |
| KIOS 76 (*) | 7,60 | 2,55 |
| KIOS 82 (*) | 8,20 | 2,55 |

(*) Homologation not on series for KIOS 76 and KIOS 82

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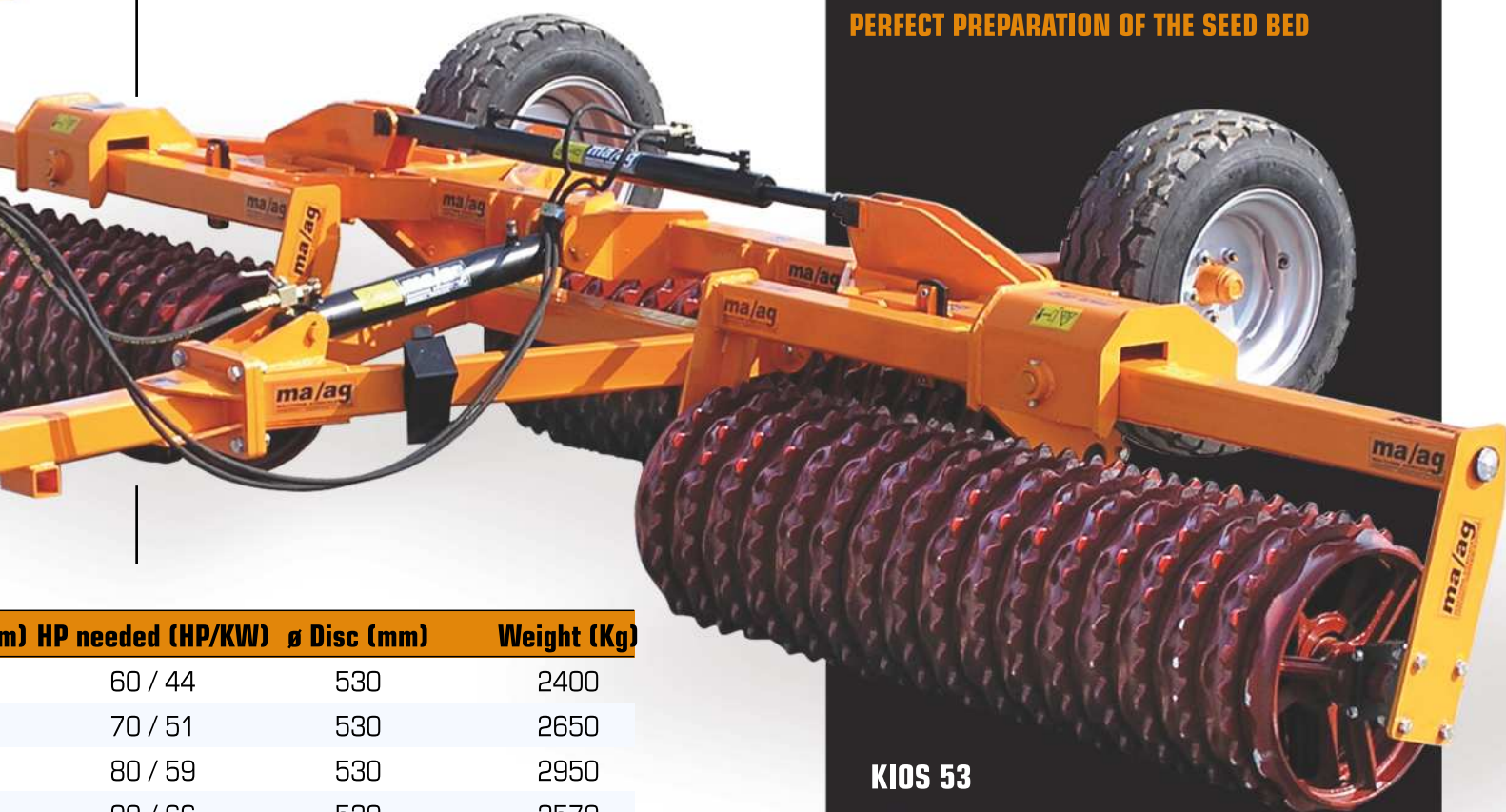
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HYDRAULIC CHARIOT LIFT UP TO THE STOP POINT OF THE CYLINDER

WORKING POSITIONS



FOLDING IN FEW SECONDS ...

**QUICK CHANGE FROM THE WORKING POSITION
TO THE TRANSPORT ONE**

PERFECT PREPARATION OF THE SEED BED

| m) | HP needed (HP/KW) | Ø Disc (mm) | Weight (Kg) |
|-----|-------------------|-------------|-------------|
| 60 | 44 | 530 | 2400 |
| 70 | 51 | 530 | 2650 |
| 80 | 59 | 530 | 2950 |
| 90 | 66 | 530 | 3570 |
| 100 | 73 | 530 | 3860 |

KIOS 53



KIOS 76



MADE IN ITALY - CEE



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