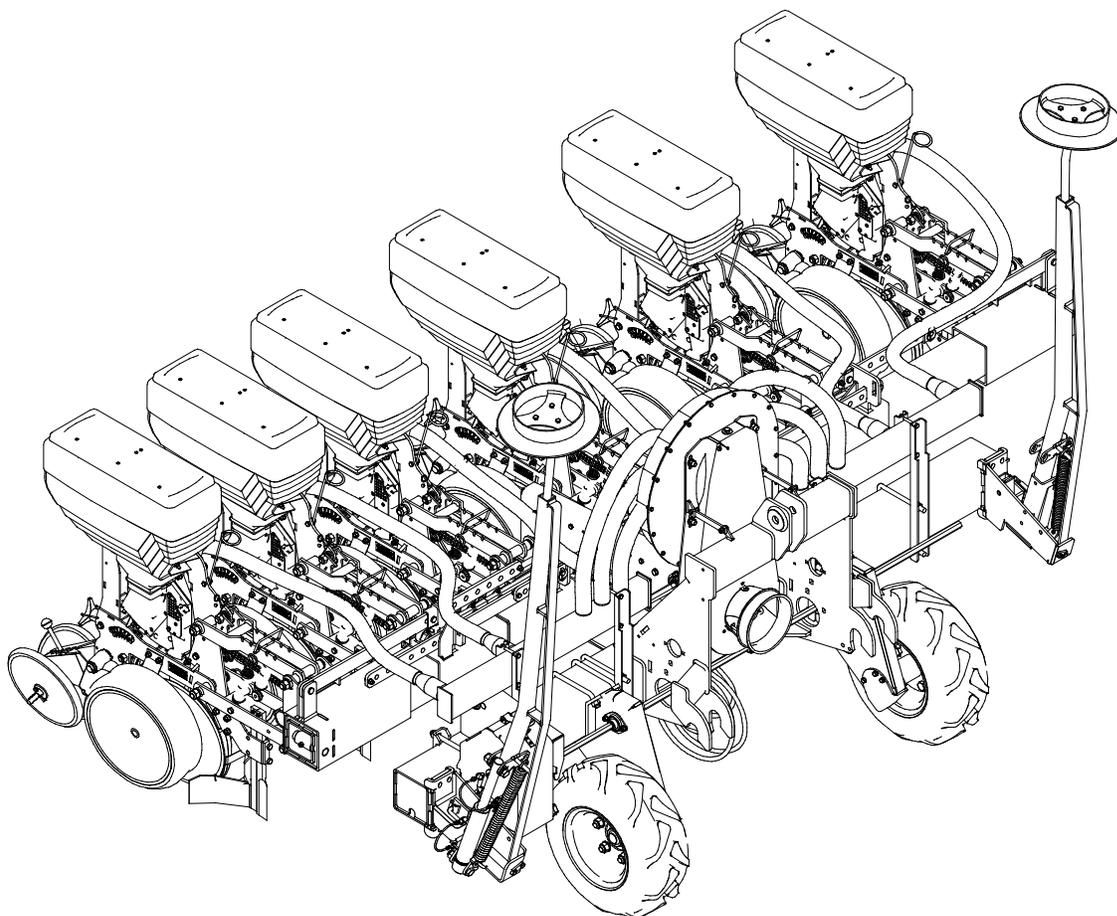


# MASCAR



## Use and maintenance manual



**Telescopic frame**

# **Flex**



Prima di iniziare ad  
operare con la  
macchina, leggere le  
istruzioni per l'uso

CE



## INDICE

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## SECTION 1

Introduction for use of telescopic frame “FLEX” and various regulations



### CAUTION

The Manufacturer declines every responsibility for damages due to carelessness and not observance as described in the present manual.



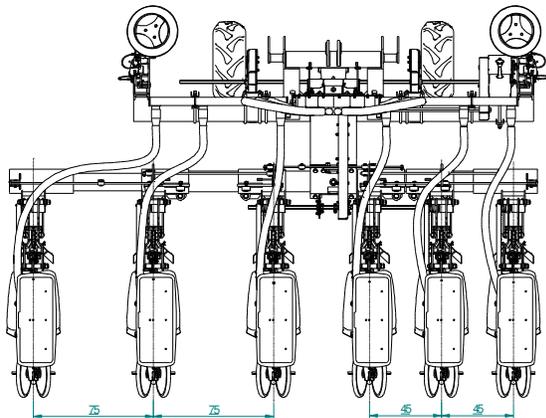
### PERICOLO

The present manual is integral part of the machine and it must accompany it always and in its every moving or re-sale.

If it will be damaged or lost, it is necessary to ask immediately the Manufacturer for a copy.

### 1.1 INTRODUCTION

The telescopic frame of model “FLEX”, developed by MASCAR S.p.A., used for pneumatic precision planters 6 rows, is employed for rapid row distance change between the gears of the seed elements by means of hydraulic control from tractor cabin. The variable row distance system with mixed system of telescopic bar and sliding modules is developed to make row distances of 45, 50, 55, 60, 65, 70, 75cm up to 80cm.

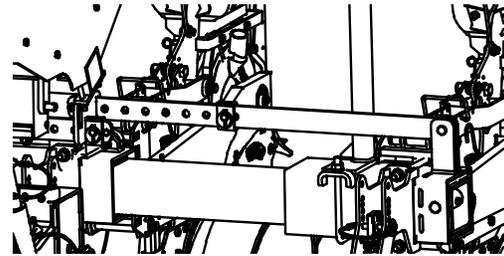


Row distance disposition

The present manual is only an integration of the one available in use for planter.

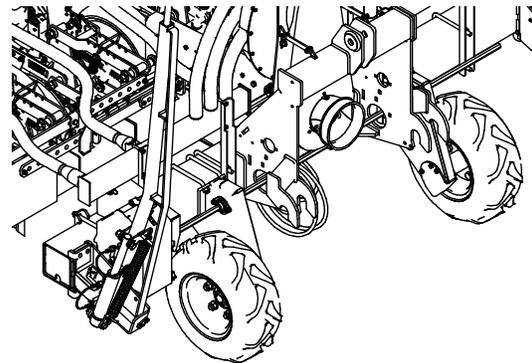
### 1.2 “FLEX” FRAME

The “FLEX” frame is great invention of this planter. It is consisted of the main support on which a telescopic bar of the “FLEX” frame is fixed. The telescopic frame itself is consisted of the horizontal bar, on which some simple sliding modules are running, and of the external telescopic bars that accompany the movement of the side seeding elements, with the distances that are controlled by spacing rods scaled in order of the row distance space change. In order to change the distance between the rows it is enough to move the locks that are sliding on the spacing rods by taking of the pins and placing them in the hole relative to the desired distance.



Row distance regulation

In the standard configuration the machine is equipped with the transmission wheels placed in front with the width that can be regulated. This permits to combine better the row distance and the width of the tractor carriageway. The rotation of the kinematic mechanisms is assured by the reinforced transmission.



Front wheel support position and gearbox position

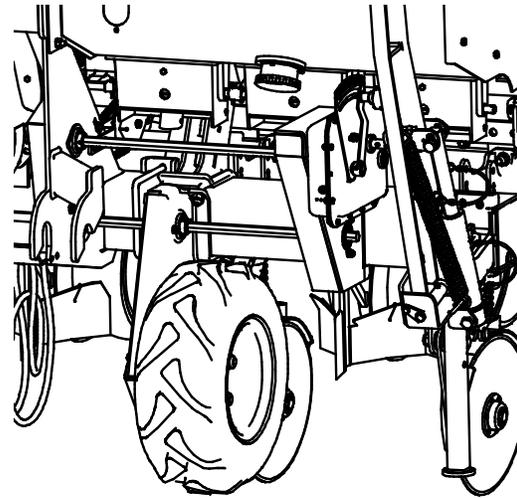
The change gear of the seeding distance regulation is situated at the external right side of the planter as for quick access, for chain and gears regulation and for the maintenance. The large combination of the gear ratio helps the various regulations for the seed investments.

### 1.3 SEEDING ELEMENT

The pneumatic planter with telescopic frame "FLEX" made by MASCAR S.p.A. can be equipped with seeding elements of FUTURA type and with double disc type as FUTURA MAXI EVOLUTION. In case of the seeding type change from one distance between rows to another for the seeding element type FUTURA it is enough to change the type of discs inside the seed distributor and in case of necessity the seeding coulter, while for the seeding element type FUTURA MAXI EVOLUTION even for the sugar beet seeding there are not components or coulters to change except the seeding discs inside the distributor. In case please check if with the seed separator device, installed on the distributor cap, there is the compatibility with the seeds to sow. As soon as the distance between rows is set up hydraulically, the appropriate seeding discs are installed and the gears combination is regulated correctly according to the seed investment, the planter with telescopic frame "FLEX" is ready for sowing. The seed compression wheel "PRE", if present and activated, helps the better plants appearance after the birth.

### 1.4 FERTILIZER DISTRIBUTOR

The pneumatic planter with telescopic frame "FLEX" made by MASCAR S.p.A. could be equipped besides with an optional device for the distribution of the fertilizing substances of the granular type. The container tanks for substances could be of the different dimensions according to the users necessities.

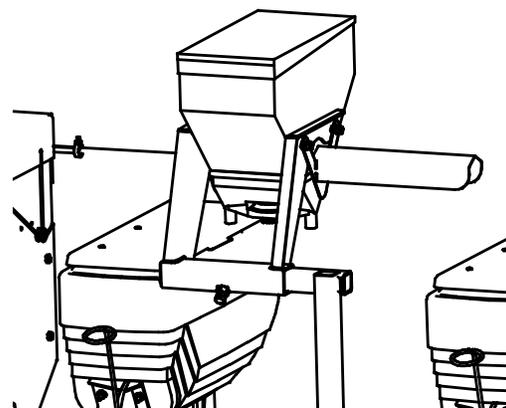


Fertilizer continuous gear position

The high precision of the fertilizing quantity regulation is a result of the action applied on the handle-indicator of the continuous gear change, that is placed on the easy accessible left side of the planter. As an indication the values of the regulations could be find in the distribution table and in accordance with what is written in the use and maintenance manual already in use for the planter.

### 1.5 MICROGRANULATOR

The pneumatic planter with telescopic frame "FLEX" produced by MASCAR S.p.A. could be equipped besides with an optional device for the distribution of the insecticide and fertilizing substances of the granular type of high precision.



Microgranulator device

The container tanks for the micro granulate substance could be of the different volume.

The regulation of the product quantity to be distributed is made by metal regulation ring placed in the rear part of the distributor and in accordance with what is written in the use and maintenance manual already in use for the planter.





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