



# MONOSEM

**Original  
Monosem  
spare parts**

# MONOSEM

## Over 70 years of excellence

Since 1948, we have pursued a clear and unflinching commitment to providing agricultural professionals with reliable, innovative, lasting solutions and a service that is up to the challenge! Armed with our experience,

we are able to satisfy all requests and needs to fully meet your operational requirements. Over the past 70 years, Monosem has always endeavored to design upgradable machinery. This is reflected in our products' long service lives.

## A legacy of precision

More than just a name, Monosem is a genuine identity passed down from previous generations. Since precision is our core business, we work hard every day to continue pushing the boundaries of enhanced precision.

## Monosem expertise

The technical acumen of Monosem experts is at the forefront of the company's drive for excellence.

That's why we set up the Value & Tech Center, a free service provided by a team of technical experts offering proactive customer care and supporting you so that you can do your job with full peace of mind. Our priority is to provide you with optimal solutions at lightning speeds.



# Everlasting original parts

## Exceptional service life

Materials are carefully selected to maximize the strength, precision and service life of our spare parts. Produced in our plants, from design to packaging, Monosem original parts come with a guarantee of outstanding durability. They offer long-term return on investment, giving you the peace of mind you need to plant your crops in optimal conditions.

## Availability

Monosem runs a dedicated spare parts warehouse, giving it access to a huge stock of original parts. That means that decades after you've purchased your machine, you can be confident of finding the parts you need, which will increase your equipment's resale value and also limit the risk of downtime. We know that you monitor your parts closely for wear, which is why we take a proactive approach to ensuring parts are available within our dealership network and our wide range of factory stock.

## Reactivity

Our parts department responds quickly to requests, which is essential to meet planting requirements and to adapt to weather conditions. To minimize delivery times, Monosem is committed to sending orders as quickly as possible so that you are never stopped in the field!



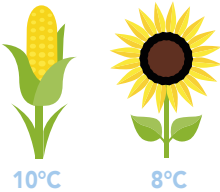
# 3 Step guide to successful maize and sunflower planting

## 1

### The right date

Seeds should be planted once the soil has had chance to dry out and warm up to ensure rapid shoot emergence and prevent any risk of compacting.

#### IDEAL TEMPERATURE



Check the weather forecast immediately after your chosen planting date to avoid any dry spells or periods of heavy rainfall that may cause diseases.

## 2

### The right depth

Maize and sunflower seeds should ideally be planted at a depth of approximately 4cm ( $\pm$  1 cm) to ensure they are fully covered and shoots emerge uniformly.

If seeds are planted more than 6cm deep, plants will grow more slowly and less evenly. In contrast, if seeds are planted less than 3cm deep, they will be exposed to pests and dry conditions, which will prevent them from developing.

#### Adjust your depth

Caked soil:	Depth.
Fresh seed bed	2-3 cm
Dried soil	3-4 cm
Non-caked soil	Prof.
Fresh seed bed	2-3 cm
Dried soil	4-5 cm

## 3

### The right density



Optimal density should be calculated based on:

- ✓ Plant variety (e.g. in terms of maturity time and leaf development)
- ✓ Intended use (animal fodder or grain corn)
- ✓ Soil potential (yield potential, probability of cold stress, water stress or pressure from parasites)
- ✓ Future crop management
- ✓ Planting date

Planting density should therefore be adjusted based on the risk of losses during emergence.

# Expert opinion

RÉMY GUEHO  
Pioneer



«When planting, it's essential to maintain consistent seed spacing and depth. By the time the planter leaves the field, 60% of the crop's potential has already been determined,»

says Rémy Gueho.

«If the planter is in a poor condition, all the benefits of tillage are lost. With worn parts, seeds are planted at the wrong depth and too close together, sometimes with duplicates, reducing yield by 10%. Therefore, while €1,000 may seem a significant investment in spare parts for a planter, it quickly pays for itself over just a few hectares.»

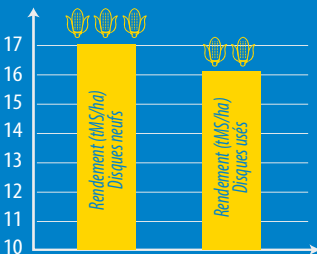
# WEARING PARTS

## how do they affect your yield?

### Parts in good condition: optimized yield

#### DISCS

New discs:  
potential average gain:  
+0.9 tDM/ha or +€90/ha (1)



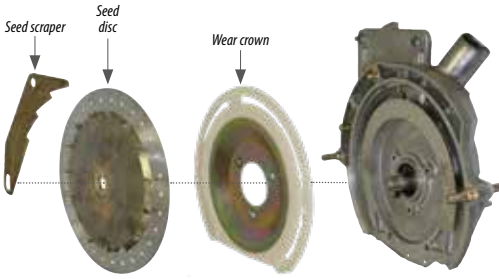
#### SHOE TIPS

	V-shaped furrow	U-shaped furrow	W-shaped furrow
<b>Causes</b>	Tip in good condition	Worn tip (rounded or square)	Tip missing or broken
<b>Effects</b>	Consistent depth and distances	Inconsistent distances	Inconsistent depth
<b>Explanations</b>	Seeds are secured in the furrow	Seeds can roll around in the furrow	Seeds may be positioned either at the bottom of the furrow or on the ridges

(Data source: Limagrain) - (1) on the basis of corn silage at 100 €/tMS (indicative price)

# Well-maintained SUCCESSFUL

Service your planter  
ahead for any parts that



## ① Metering system

**Check the discs for wear and adjust the seed scraper to ensure:**

- Consistent planting
- No omissions/duplicates

- Change the seed scraper if you cannot feel the offset on the upper part
- Change the seed disc if there is a 0.5mm circular groove
- Change the wear crown if the wear indicators can no longer be seen
- The seed scraper, seed disc and crown can be changed at the same time

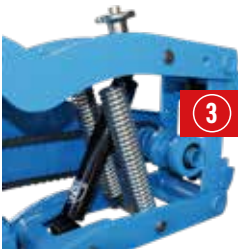


## ② Planting

**Check the double opener discs for wear to ensure:**

- Consistent planting (in terms of depth and seed spacing)

- Replace the discs if their diameter < 360mm
- Contact area between discs: 4-5cm
- Check the tip between the discs for wear (change if rounded)



## ③ Drive

**Check the chains to ensure:**

- Consistent planting density
- Consistent planting (spacing)

- Clean with an a special chain oil
- Replace chains/sprockets (if required)



# ained planter L PLANTING

anter and plan  
at may need changing



## 7 Tires

**Check tire pressure to ensure:**

- Appropriate planting density
- At the beginning of the season, we recommend checking the tires over a significant distance
- Inflate tires according to recommendations (see instructions and table)



## 4 Fertilizer

**Check the fertilizer discs to ensure:**

- Optimal fertilizer application
- Consistent depth
- Replace the discs if their diameter is  $< 300\text{mm}$
- Reminder: 5 to 7cm distance between the fertilizer line and furrow



## 5 Microgranulator

**Check that the distribution unit and drop lines are clean to ensure:**

- Products are distributed at the recommended rate
- The distribution units and drives are not damaged
- Fully empty products if the equipment is not used for several days
- Clean with pressurized air (not water or oil)



## 6 Pneumatic system

**Check the belt, pipes and power take-off speed to ensure:**

- Consistent planting
- No omissions
- Check the pipes: tightness and condition
- Check the belt tension



*All our tutorials, tips and technical instructions on :*

<https://www.monosem.com/parts-and-service/planter-maintenance/>

**NEW**

It's never been simpler to refurbish your machine!  
To ensure your equipment is kept in good condition, various kits are available to help you replace worn parts.

# Discover our Refurbishment Kits

at a preferential price to renovate your seeder at a lower cost.

**Planting refurbishment kit for NG Plus 3, 4, M with long tip**

Réf. 67010000



**Planting refurbishment kit for NG Plus 3, 4, M with long tip short wings**

Réf. 67010001



**Planting refurbishment kit for NG Plus 1 and 2 with short tip**

Réf. 67010002



**Refurbishment kit for NG Plus seed meter**

Réf. 67010003

Remember to change the disc and agitator!





### Refurbishment kit for NG Plus M mechanical drive

Réf. 67010005



### Refurbishment kit for NG Plus 3 and 4 mechanical drive

Réf. 67010006



### Refurbishment kit for NG Plus 1 and 2 mechanical drive

Réf. 67010007



### Refurbishment kit for NG Plus 4 and M gauge wheel arms

Réf. 67010008



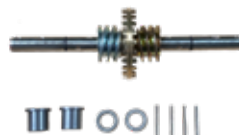
### Refurbishment kit for Microsem helicide screw

Réf. 67010009



### Refurbishment kit for Microsem insecticide screw

Réf. 67010010



### Refurbishment kit for 350 mm discs fertilizer

Réf. 67010004



Please contact your nearest dealer for further information.

# Which WEARING PARTS

Should you check  
before the start  
of the season ?

Since wearing parts  
require special attention,  
you should check their  
condition before the start  
of the season to identify  
any parts that need  
replacing.



To consult our  
our catalog, go to :

[www.service.monosem.com](http://www.service.monosem.com)

## 1 Wear crown

Réf. 10200209



## 2 Side disc ng plus metering unit (diam. 380mm)

Réf. 65209056



## 3 Standard scraper

Réf. 20021587



## 4 Inner long shoe tip for removeable system ng plus unit

Réf. 30048020



## 5 Rear unit spring NG+II (98)

Réf. 30156026



## 6 Fixed roller

Réf. 66009147



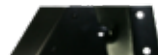
## 7 Outer right hand scraper complete for NG Plus

Réf. 65104108



## 8 Outer left hand scraper complete for NG Plus

Réf. 65104107



# 1 planter + over 70 crops

Plant over 70 different crops  
with the same planter!  
**Just change the disc.**



TYPE DE CROP	REF.	DISC
<b>Standard Corn</b>	22000790	dn 3050
<b>Special Densities Corn</b>	22000690	dn 2450
<b>Standard sunflower</b>	22000672	dn 2425
<b>Special Densities Sunflower</b>	22000572	dn 1825
<b>Standard sorghum</b>	22001119	dn 7222
<b>Standard beans - peas - soybeans</b>	22001089	dn 6045
<b>Beet - chicory - coated parsnip</b>	22000767	dn 3020
<b>Colza - cabbage - millet - onion</b>	22001459	dn12012 -> 67101459 tn

## Accessories

MEETING

# Every need

**Pro wheel conversion kit aluminium  
with stainless steel coating**

In retrofit from NG Plus  
2, 3, 4, M and NX M  
Réf. 64029005



**Pack : extra  
spring kit NG Plus**

Réf. 64009081





## Monosem original spare parts mean:

1 Superior quality  
equipment and work

2 Reliably higher  
yields

3 Guaranteed high  
resale value



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[www.monosem.com](http://www.monosem.com)

*All the information concerning the different types of equipment, including external appearance, weight and dimensions, was correct at the time of printing and may vary from country to country. The information may be modified by us without prior notice. This document may not be regarded as a binding in any way. Your Monosem dealer will be sure to notify you of any changes. To illustrate this document, certain protective devices may have been removed from equipment. However, this should not be the case under normal circumstances.*

*As indicated in the user instructions, these devices should never be removed.*

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