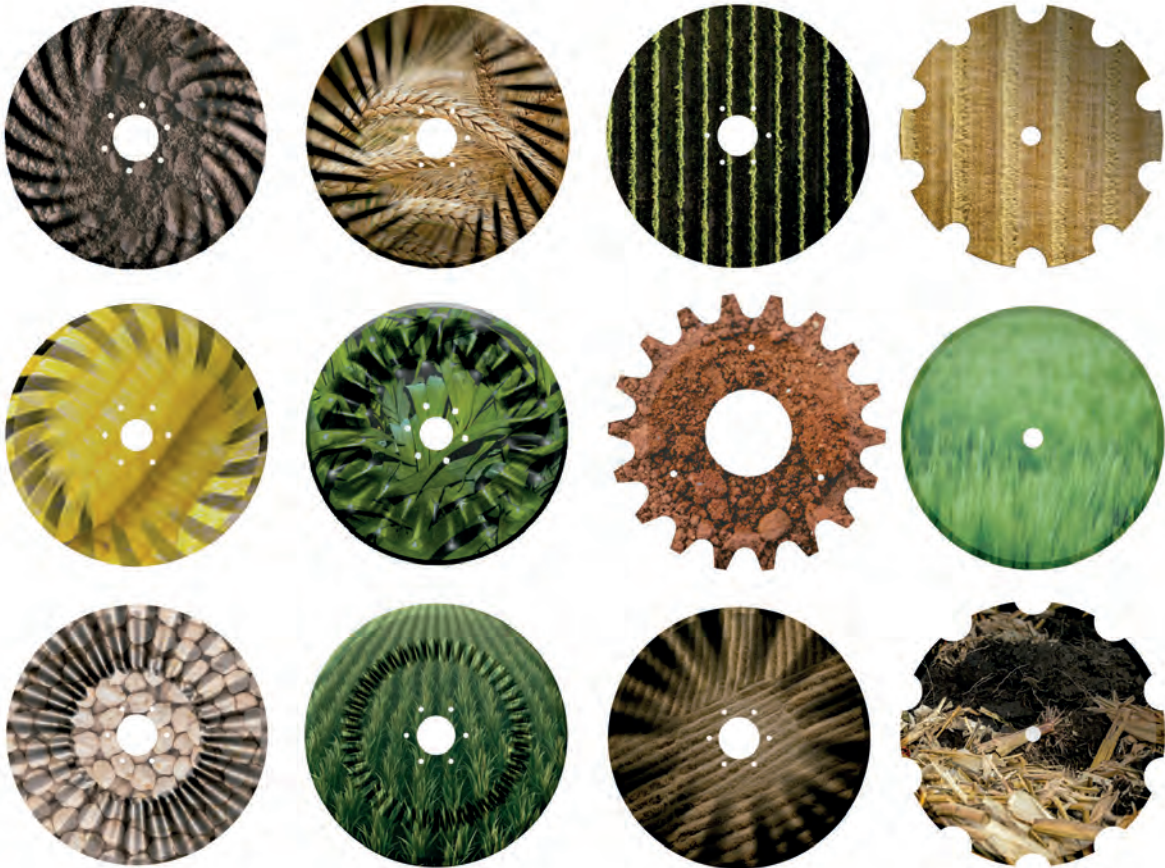


# BEST PERFORMANCE MADE IN BRAZIL



DISC MANUFACTURER  
SEEDING, PLANTING AND TILLING DISCS  
MORE THAN 100 YEARS AROUND THE WORLD  
SINCE 2012 FROM BRAZIL



BEST PERFORMANCE  
MADE IN **BRASIL**

# INDEX

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**SINCE 2012  
MADE IN BRAZIL**

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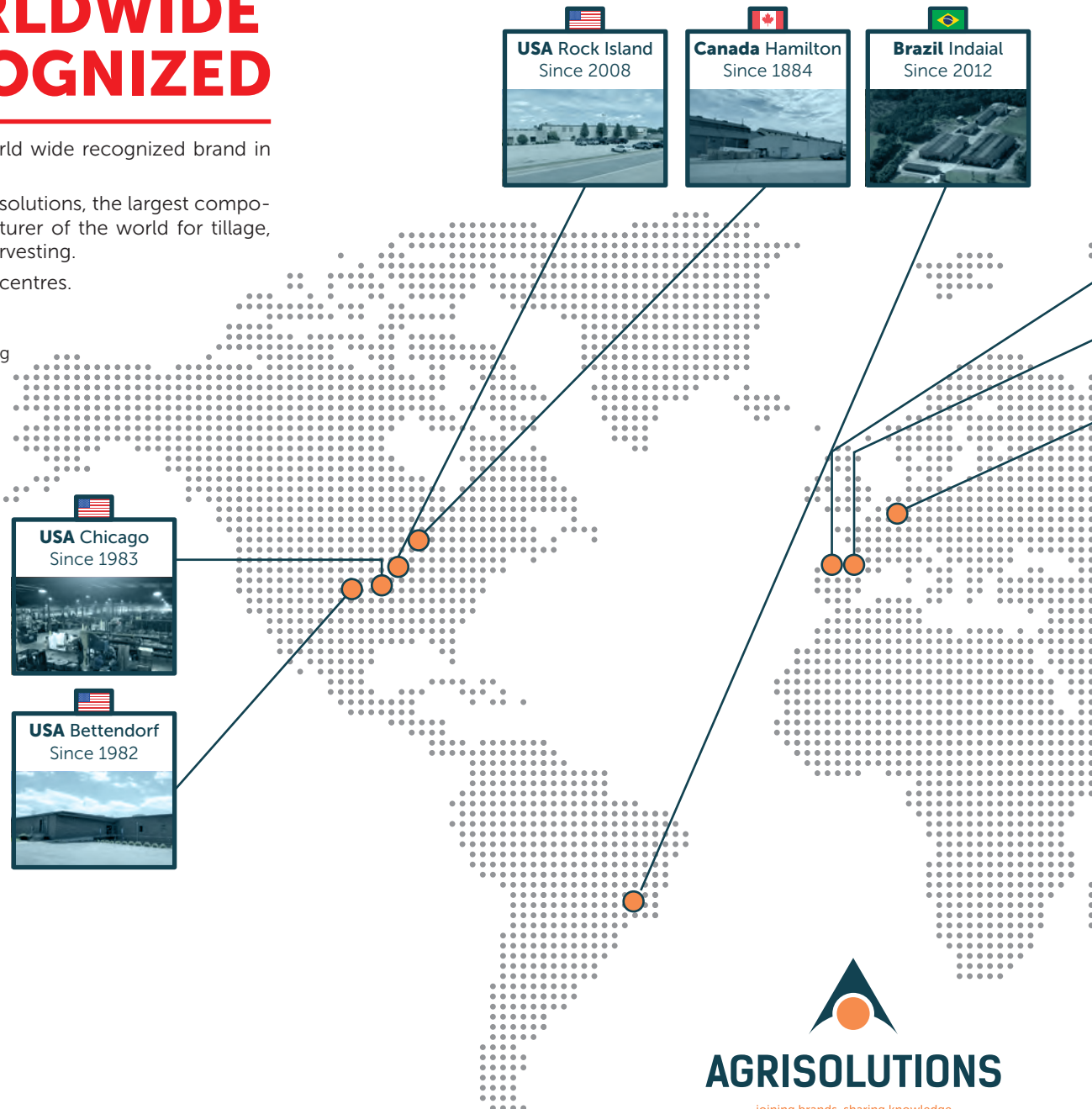
# WORLDWIDE RECOGNIZED

Bellota is a world wide recognized brand in the sector.

It is part of Agrisolutions, the largest components manufacturer of the world for tillage, seeding and harvesting.

Manufacturing centres.

 Manufacturing plants



joining brands, sharing knowledge



# PARTNER OF THE MAIN OEMS

Bellota started manufacturing discs back in 2012, and in all these years has achieved the confidence of the main agricultural equipment manufacturers.

The guarantee of the Bellota products, together with the flexibility to manufacture new products, is what makes the difference and leaves customers satisfied.



# RECOGNIZED QUALITY

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Agrisolutions' aim is to offer innovative products with an optimum service and a whole range of products with a competitive position. Since 2012, Bellota Agrisolutions has been recognized by the ISO 9001 and the EFQM+500 in Management.

Year by year, we continue improving and introducing leading management methodologies, such as LEAN Manufacturing.



# RANGE

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Bellota Brazil has a vast variety of center holes and bolt patterns to fit requests from any country in the world



## LIFETIME WARRANTY

---

Bellota products are recognized worldwide by its quality and reliability. All discs are manufactured with a special steel, BORODUR®, which is recognized as the best steel for its use. More than 10 different quality controls are made to guarantee the best product of the market.

At Bellota we are sure of what we do, therefore, we offer a lifetime warranty for any manufacturing defect.



## IS ALL ABOUT PERFORMANCE

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Bellota discs have the best quality-price ratio thanks to the BORODUR® steel, exclusive for its micro particles, which have the best performance of the market.

# BELLOTA INNOVATION

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## PRODUCTS WITH LONGER LIFE

---

At Bellota Agrisolutions Brazil our commitment to excellence and long life is unquestionable. With the aim to extend the working life of our products, we are proud to present two new product lines that include cutting edge technology to guarantee long performance and reliability. These innovations are a result of a constant effort to overcome expectations of the modern agriculture and offer solutions that not only comply but also anticipate our customers needs.

With these new products, we reassure our commitment to quality and resistance, guaranteeing that every Bellota product is synonymous with durability and efficiency in the field.

## DURATOP

Tungsten Carbide Tips with a very precise brazing.

## DURATOP FUSE

Tungsten Carbide dust fused to the product.

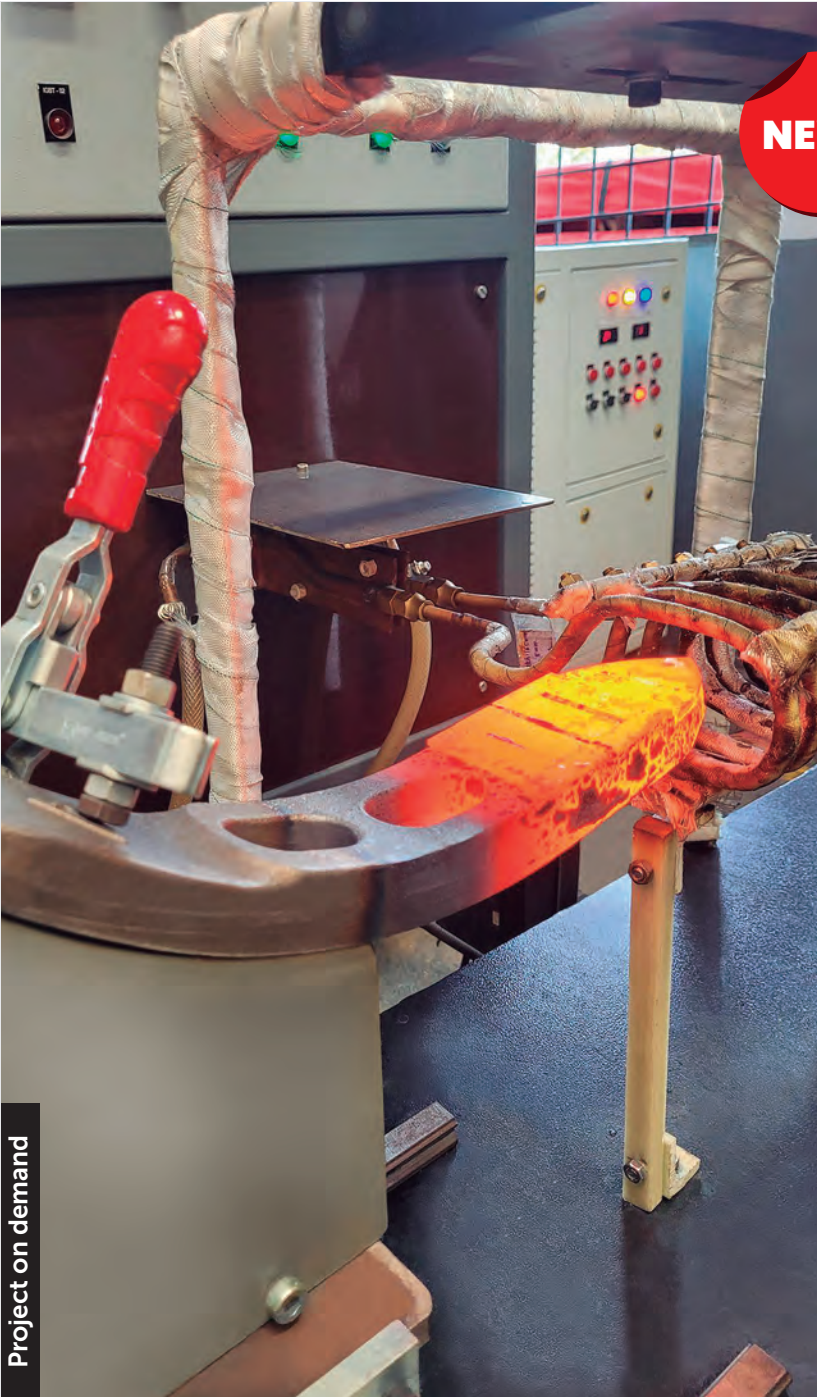
## WHY TUNGSTEN CARBIDE?

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Tungsten carbide is an exceptionally good material for increasing the lifespan of wear parts due to its unique properties. Here are some of the main reasons:

- **High hardness:** Tungsten carbide is extremely hard, which means it can resist wear much better than other materials. This hardness allows it to maintain its shape and size even under extreme conditions of use.
- **High temperature resistance:** It can withstand extremely high temperatures without losing its structural integrity, which is crucial for applications that generate a lot of heat, such as machining or cutting.
- **Wear resistance:** Its wear resistance is significantly superior to that of many other materials, making it ideal for tools and components that are subject to constant friction or impact.
- **Quality and durability:** Tools and parts made of tungsten carbide have higher quality and durability, which increases process safety and reduces the need for frequent replacements.
- **Corrosion resistance:** In addition to its hardness and heat resistance, tungsten carbide also offers excellent corrosion resistance, making it suitable for use in harsh environments.

Project on demand



**NEW!**

# DURATOP

## WITH ALL THE POWER OF THE TUNGSTEN CARBIDE TIPS

Bellota guarantees long wear resistance of the tungsten carbide tips since the product is heat treated to guarantee an homogeneous hardness along all the product.

In the most critical areas, the tungsten carbide tips are specially designed for an ideal performance.



**TUNGSTEN**  
CARBIDE TIPS



**HOMOGENEOUS**  
WEAR



HEAT TREATED  
FOR A  
**LONGER LIFE**



**PROTECTED**  
BOLTS

**RECOMMENDED**  
FOR HIGH ABRASION SOILS  
WITH NO STONES.

**APPLICATIONS**  
SWEEPS, FERTILIZER KNIVES,  
SCARPERS...

**DURATOP**



## **DURATOPFUSE**

### **SPRAY & FUSE WITH HIGH RESISTANCE TO WEAR**

DURATOPFUSE process applies a protecting coat made of tungsten carbide in the surface, that gets fused with the base material for a longer life.

The result is a metallurgical fuse with an extremely high resistance to wear combined with a protection to impacts and chips.

The result of this process is a very high hardness, 1050 HV. The thickness of the coating can be from 0,15 to 2mm.



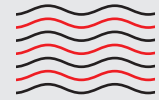
Project on demand



# **DURATOP FUSE**



**SPRAY & FUSE**  
METALLURGICAL  
BOND



**EXTREME**  
RESISTANCE  
TO WEAR



**RESISTANT**  
TO IMPACTS  
AND CHIPS



CONTROLLED  
TEMPERATURE  
**FOR A PERFECT  
FUSION**

## **RECOMMENDED**

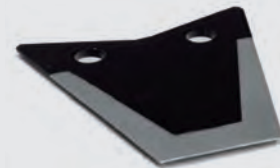
FOR IRREGULAR BASES,  
WHERE THE COATING MUST  
BE THIN.

## **APPLICATIONS**

CUTTING PRODUCTS,  
TRESHING, ....

# HARVESTING PRODUCTS

At Bellota Brazil we take pride in our cutting-edge harvesting machine components designed to manage crop residue effectively. Whether it's after a bountiful harvest or during field operations, our products are engineered to enhance efficiency and longevity.



ALSO AVAILABLE WITH THIS TECHNOLOGY

**DURATOPFUSE**  
TECHNOLOGY

THIS ADVANCED PROCESS ENSURES EXCEPTIONAL DURABILITY, EXTENDING THE LIFESPAN OF OUR PRODUCTS



NEW!

# PEANUT BLADES

Bellota's peanut blades are made out of boron steel, with an integral heat treatment, achieving the following benefits:

- **Durability:** This blade have a longer lifespan due to its hardness and wear resistance.
- **Efficiency:** Sharpened blades cut through soil and roots more efficiently, improving harvest.
- **Reduces downtime:** Longer product life means fewer changes during heavy harvesting.
- **Profitability:** Investing in high-aquality blades pays off in the long run.

Bellota blades are customized according to the customer's individual needs and it is also possible to add an additional highly wear-resistant coating.



ALSO AVAILABLE WITH THIS TECHNOLOGY

 **DURATOPFUSE** THIS ADVANCED PROCESS ENSURES  
TECHNOLOGY EXCEPTIONAL DURABILITY, EXTENDING  
THE LIFESPAN OF OUR PRODUCTS

Project on demand

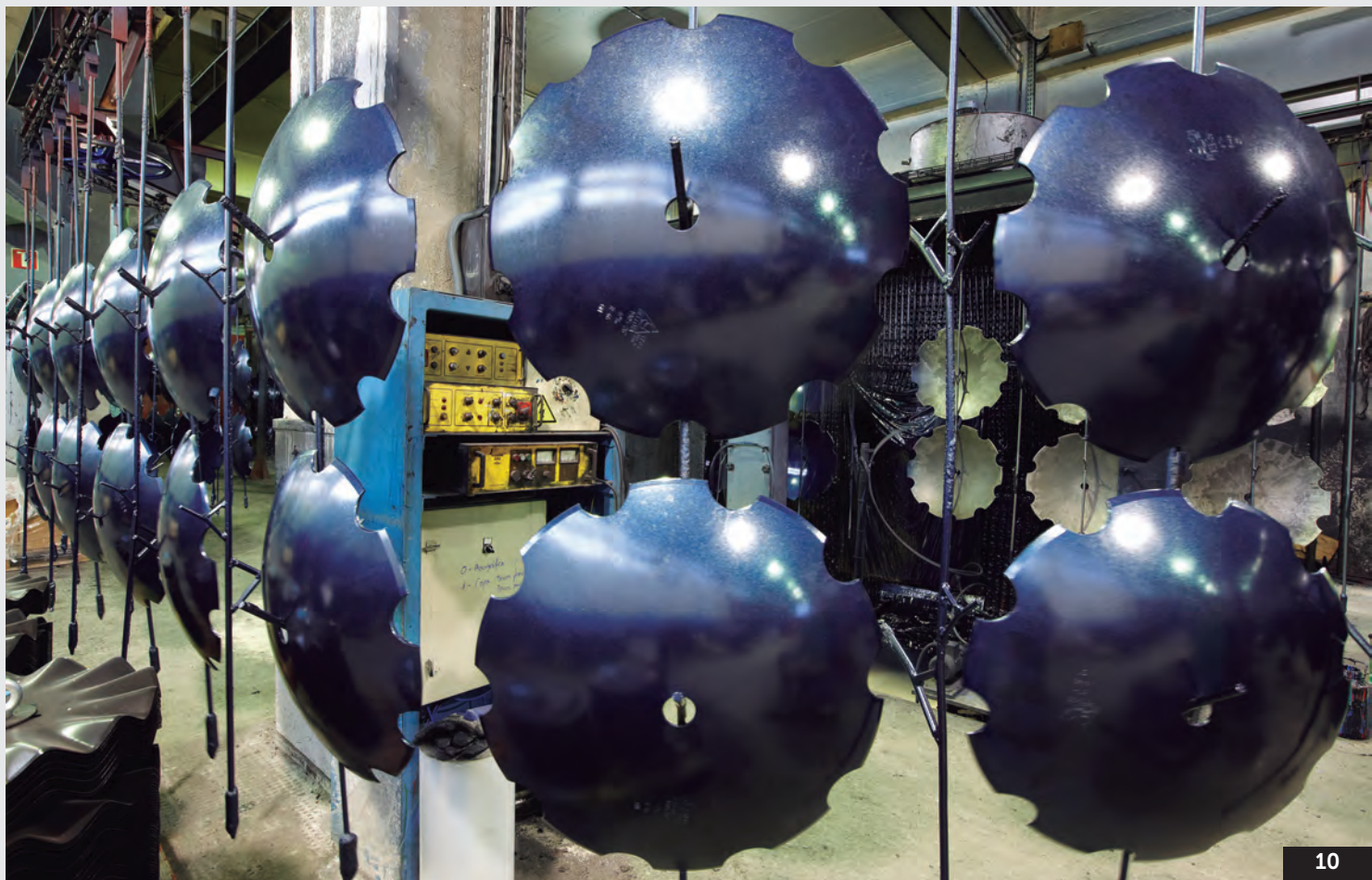
HARVESTING PRODUCTS



# BELLOTA DISCS

A Bellota B Bellota Brasil is part of the Agrisolutions group, the biggest agricultural discs manufacturer in the world. With 5 discs manufacturing units, Agrisolutions has a long and reputed history in the agricultural sector with all type of uses: leveling discs, tilling discs, discs for heavy duty, discs for planters, discs for seeders.

The most important agricultural machine manufacturers trust in Bellota discs for its quality and consistency.





A Bellota disc is submitted to more than 10 different quality checks:

1. **Steel composition:** The exclusive composition of the Bellota BORODUR® steel obtains the best performance-flexibility ratio, which results in the maximum durability without breaking.
2. **Diameter and burrs control:** one verification is made every production lot or every hour.
3. **Marking:** Bellota maintains control of the lot, stamping the week and year of manufacture.
4. **Bevel's control:** not only in size but also in angle. A precise bevel is required for a precise cut.
5. **Notches:** Bellota has different models of notches to smooth cut.
6. **Heat treatment's temperature control:** Bellota has an automatic 100% control of the temperature in the manufacturing process.
7. **Geometry after the heat treatment:** Bellota has different models and geometries for all types of uses. Warping and flatness are also measured
8. **Hardness:** Bellota discs have an homogeneous hardness of 50`-2 HRc.
9. **Flexibility:** With the ball test we can guarantee that the disc is flexible enough to absorb obstacles in the soil and return to its original shape.
10. **Finishing:** We use high quality powder painting that protects from UVA rays.

# TILLING DISCS

The proper hardness of the disc is very important to ensure the maximum wear resistance and at the same time have the ability to recover the original form without breaking.

Nowadays, with the different types of straw, the edges and the bevel are more important for a good soil penetration not only of the disc harrow, but the fertilizer and the seeding machine.



# PLAIN AND NOTCHED DISCS

**NEW!**



## LEVELING DISCS

DIAMETER (")	DIAMETER (mm)
16	415
18	460
20	511
22	562



## TILLING DISCS

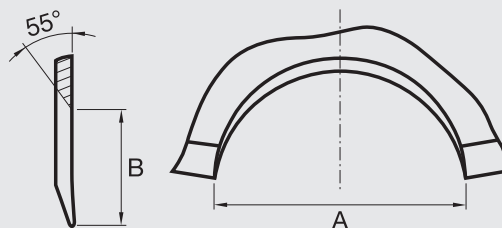
DIAMETER (")	DIAMETER (mm)
24	616
26	670
28	722



## HEAVY DUTY DISCS

DIAMETER (")	DIAMETER (mm)
30	762
32	813
34	864
36	914

## ROUND NOTCH



# SEEDING AND PLANTING DISCS

Bellota has a large range of bevels to adapt to any type of straw and therefore, make a perfect cut for a good seeding trench.

With the special Borodur steel together with the design of the bevel, the discs have a self-sharpening system so that they maintain the cutting capability throughout the whole life-time



# PLAIN DISC

Good cut and penetration. Minimum tilling action.



## SOIL TILLING ACTION

Low

## SOIL CONDITIONS

Dry - Humid - Sandy - Thick

## SPEED

High

### WAVES

Plain

### WAVE HEIGHT

Without waves



## PLANTING AND FERTILIZING DISCS

### DIAMETER (")

13
13,5
14
15
15,5
16
17

## CUTTING DISC

### DIAMETER (")

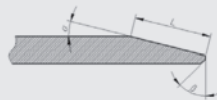
17
18
20
22

## SPECIAL TASK DISCS

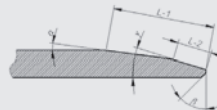
### DIAMETER (")

24
26

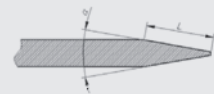
### REF. 1981



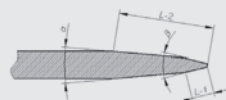
### REF. 1982



### REF. 1983



### REF. 1984



# FLUTED COULTERS

Good cut and penetration. Minimum tilling action, ideal for variable soil conditions.

**50**  
WAVES



**1991** Ø Flat center: 315mm

**DIAMETER (")**

18  
20  
22

**SOIL TILLING ACTION**

Low

**SOIL CONDITIONS**

Dry - Humid - Sandy - Thick

**SPEED**

Medium

**45**  
WAVES



**NEW!**

**1991B** Ø Flat center: 290mm

**DIAMETER (")**

17  
18  
20

**SOIL TILLING ACTION**

Low

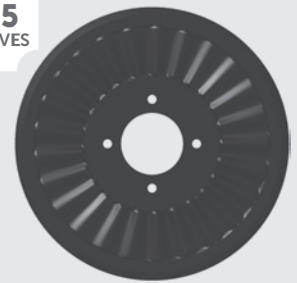
**SOIL CONDITIONS**

Dry - Humid - Sandy - Thick

**SPEED**

Medium - High

**25**  
WAVES



**1923** Ø Flat center: 198mm

**DIAMETER (")**

16  
17

**SOIL TILLING ACTION**

Low

**SOIL CONDITIONS**

Dry - Sandy - Thick

**SPEED**

Media - Alta

**WAVES**      **WAVE HEIGHT**

50              9,5mm



**WAVES**      **WAVE HEIGHT**

45              9mm



**WAVES**      **WAVE HEIGHT**

25              8mm



**60**  
WAVES



**1990**    Ø Flat center: 362mm

**DIAMETER (")**

17

18

20

22

**SOIL TILLING ACTION**

Low

**SOIL CONDITIONS**

Dry - Humid - Sandy - Thick

**SPEED**

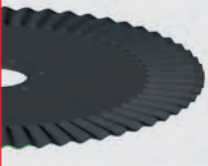
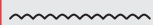
Low - Medium - High

**WAVES**

60

**WAVE HEIGHT**

9mm



**SEEDING AND PLANTING DISCS**



# AKER DISCS

Good penetration and cut with high residues.  
Aggressive tilling action. Suitable for working at high speed.

**18**  
WAVES



**25**  
WAVES



**30**  
WAVES



**1928**

Ø Flat center: 220mm

### DIAMETER (")

16
17
18
20
22

### SOIL TILLING ACTION

Moderate - High

### SOIL CONDITIONS

Dry - Humid - Sandy

### SPEED

Low - Medium - High

**1925**

Ø Flat center: 200mm

### DIAMETER (")

16
17
18
20
22
25

### SOIL TILLING ACTION

Moderate

### SOIL CONDITIONS

Dry - Humid - Sandy - Thick

### SPEED

Medium - High

**1930**

Ø Flat center: 220mm

### DIAMETER (")

16
17
18
20
22

### SOIL TILLING ACTION

Low

### SOIL CONDITIONS

Dry - Humid - Sandy - Thick

### SPEED

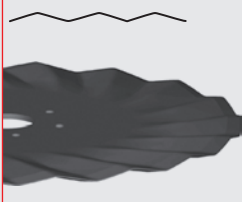
Medium - High

### WAVES

### WAVE HEIGHT

18

15mm



### WAVES

### WAVE HEIGHT

25

12mm



### WAVES

### WAVE HEIGHT

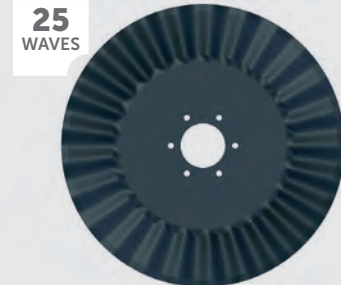
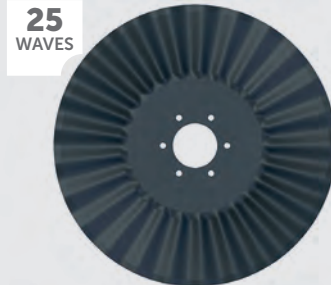
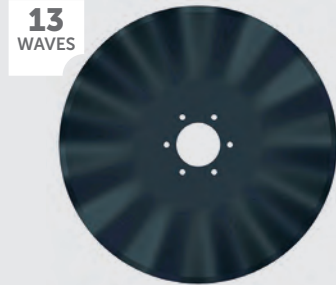
30

9mm



# WAVY DISCS

Moderate cut and penetration.  
Good tilling action, effective at low speed.



**1995** Ø Flat center: 229mm

**DIAMETER (")**

16
17
18
20

**SOIL TILLING ACTION**  
High

**SOIL CONDITIONS**  
Sandy - Thick

**SPEED**  
Low - Medium

**1997** Ø Flat center: 241mm

**DIAMETER (")**

15
16
17
18

**SOIL TILLING ACTION**  
Moderate

**SOIL CONDITIONS**  
Low - Medium - High

**SPEED**  
Low - Medium - High

**1998** Ø Flat center: 298mm

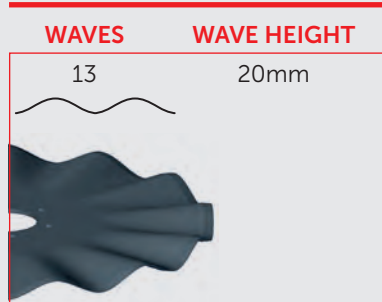
**DIAMETER (")**

16
17
18
20
22

**SOIL TILLING ACTION**  
Moderate

**SOIL CONDITIONS**  
Dry - Sandy - Thick

**SPEED**  
Low - Medium - High



# BUBBLE DISCS

Moderate penetration and tilling action.  
Good cut. Possible compacting in humid soil.



**36**  
BOLHAS



**1999**

### DIAMETER (")

16  
18  
20  
22

### SOIL TILLING ACTION

Moderate

### SOIL CONDITIONS

Dry - Sandy

### SPEED

Medium

### WAVES

18



### WAVE HEIGHT

21mm



# COVERING DISCS

These discs are very important to maintain the uniformity of the whole planting unit.



**1985**

Ø Flat center: 256mm

DIAMETER	THICKNESS	NOTCHES
14"	3	18



# OTHER DISCS



<b>1985 B</b>		ø Flat center: 84mm	
DIAMETER	TEETH	CONCAVITY	Kg
8"	16	13,5	0,9



<b>ROW CLEANER</b>			
DIAMETER	TEETH		
14"	12		



<b>1964</b>		ø Flat center: 114mm	
DIAMETER			
16"			



<b>1964 B</b>		ø Flat center: 98,6mm	
DIAMETER			
11,8"			





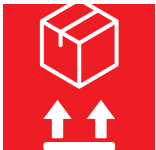
**9** Manufacturing  
plants



More than  
**500 OEMS Partners**  
over the world



Partner of the main  
**Brazilian manufacturers**



Specialist in upon  
request **product**  
development



**Innovation**  
in manufacturing process  
and products



**Worldwide**  
recognized  
brand



**BEST PERFORMANCE**  
**MADE IN BRASIL**  
**SINCE 2012**



A GROWING BRAND OF  **AGRISOLUTIONS**

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