



**imants**  
Digging the future

Deep spaders

The deepspader series are standard with unique Imants spade shaft with left and right arms and interchangeable spade blades (SX). On the 60SX270DR, 65 and 70 series it is possible to have another spade shaft.

The spader is protected against stones with a torque limiter.

On the 60SX270DRK and the 65 SX280PLK it is possible to get an optional side shift on the cage roller.

The 135 SX310PL is standard with four wheels behind the spader.

Type	Working width (cm / ft)	Total machine width (cm / ft)	Max. working depth (cm / ft)	# spades	HP needed	Max. engine HP	Weight (kg / lbs)
60 SX150DK	150 / 5'	175 / 5.7'	60 / 2'	12	70	95	1200 / 2646
60 SX150DK H	150 / 5'	191 / 6.3'	60 / 2'	12	75	95	1425 / 3142
60 SX180DK	180 / 6'	205 / 6.7'	60 / 2'	16	75	95	1425 / 3142
60 SX270DR	270 / 8.9	300 / 9.9'	65 / 2.2'	20	140	180	2300 / 5070
60 SX270DR K	270 / 8.9'	300 / 9.9'	65 / 2.2'	20	140	180	2750 / 6063
65 SX280PL	280 / 9.3'	315 / 10.4'	80 / 2.7'	24	180	240	3000 / 6614
65 SX280PL F	280 / 9.3'	315 / 10.4'	80 / 2.7'	24	180	240	3600 / 7937
65 SX280PL K	280 / 9.3'	315 / 10.4'	80 / 2.7'	24	180	240	3500 / 7716
70 SX290PL	290 / 9.6'	330 / 11'	90 / 3'	24	225	340	3850 / 8450
135 SX265PL	370 / 8.9'	300 / 9.9'	135 / 4.5'	36	300	355	9800 / 21605
K = cage roller      H = driven roller for seedbed      F = driven rotovator roller							

Deepspaders are made for the customer individually. In general it is not a standard machine. Ask Imants or your local dealer for the possibilities.



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Decompacts and aerates

Low maintenance and running costs

Greater incorporation

Better soil structure

Efficient water management

Intensive way of working the soil

Less Compaction Creates homogenous soil conditions

Highly effective for incorporation



# imants<sup>®</sup>

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## Deep spaders

In certain circumstances it is necessary to work the soil up to greater depth. Getting rid of hard pans, or for mixing of organic material or amendments. Imants produces deep spaders up to 135 cm (50")

### Where are they used

The Imants deep spaders are used a lot in vineyards, nurseries, agriculture, horticulture and recultivating.

So generally for soil quality improvement. In many cases the deep spaders will provide that extra intensive soil mixing to get a better uniformity and dilution.

The Imants spaders are equipped with a unique spade shaft. The banks on which the spade arms are mounted are evenly divided through the machine. The spade arms are bend left and right. This to create the ideal mixing and soil structure.

### Dieep spading

When the Imants spaders are used the soil profile is necessarily completely blended. Part of the soil is mixed but most of the aerobic layer stays where it is. By changing forward speed the perfect mix can be achieved. Hard pans can be a great obstacle for the roots to penetrate or can create water logging.

These are permanently gone after using the spader. This is not the case when using a ripper.

Lots of organic material can be mixed. This will stimulate organisms leading to healthier soils. Often deep spading is used when established vineyards are replanted, before asparagus is planted or before nurseries are planting the trees.

Nowadays spaders are often used for incorporating soil amendments. And in the mining industry to get rid of moisture or to create a better soil structure. Sand can be mixed through clay or vice versa. So lots of different usages for this tillage method.

### Imants deepspaders

For every circumstance or need there is an Imants deep spader. 60 cm (2 ft) wide in combination with 60 cm (2') deep. Or 135 cm (50") deep in combination with 3 meter (10 ') wide. Or anything in between! All machines are robust and well engineered. Driven by PTO shaft.

The most popular models are the 60 en 65 series. These standard units can be equipped with a roller or a rotovator to make a seed bed directly behind the spader. The machines are carried in the 3-point hitch. There are various different spade arms available depending on the soil type. The spaders are protected against obstacles in the soil. Working speeds between 0, 3 and 4 Km/h (0.2 – 2.5 M/h) can be reached

depending on soil structure, available Hp and working depth.

The 60 series can work heavy soils up to 60 cm (2') and light soils up to 70 cm. (28")

There are two types. A lighter duty model for tractors up to 120 Hp and a heavy duty for tractors up to 180 engine Hp. All machines can be equipped with rotovator or cage roller.

The 65 Series is a heavy duty machine which will go up to 70 cm. (28") on heavy soils and 90 cm (3') on light soils. The standard model has a working width of 2.8 Meter (110") Optional rotovator or cage roller are possible. Side shift can be mounted on the cage roller.

The 135 machine is Imants' largest spader. Up to 135 cm (50") in a tow behind version. The diameter of the spadeshaft is 2.7 meter (9')! It is a tow behind machine. The wheels will consolidate the top surface after spading.

### Features at a glance

- Over a century of invention and innovation gives Imants unrivalled experience in design, development and manufacture of soil cultivators
- Incredible reliability that you can depend on, year after year
- Does not create plough pan or damage soil structure
- Decompacts and aerates for maximum root development
- Creates homogenous soil conditions by continuous turning, blending and mixing of soil during operation
- Highly effective for incorporation of composts, soil substitutes and organic materials.
- Improves drainage, water movement and availability of nutrients
- High build quality and finish to ensure lasting durability
- Extremely low maintenance and running costs
- Outstanding value for money

