

# Subsoilers

*"Breathe life back into your soil"*



Available in 6 working widths:  
3m & 3.5m rigid linkage-mounted  
4m & 5m hydraulic folding, linkage-mounted  
6m & 7m hydraulic folding, trailed



**HE-VA**

Distributed by **OPICO**

# 2.5m - 7m Subsoilers

## Remove compaction, aerate & create drainage

The HE-VA Subsoiler has 9 frame options; 2.5m, 3m, 3.5m and 4m Rigid, 4m and 5m mounted hydraulic folding and 5m, 6m and 7m trailed hydraulic folding models. These are available with a number of different leg options to create the correct specification for any individual farm.

Leg spacings can also be varied due to the inherent design increasing the subsoilers versatility

Based on a traditional V formation design HE-VA Subsoilers are built for strength and longevity. Each model incorporates hydraulic depth adjustment as well as a host of other features that makes them an operators favourite.

### LOW DRAFT LEG DESIGN

#### Low draft and minimal down time

The V formation design of legs and angles employed in HE-VA's subsoiler points all contribute to minimise draft with maximum effect.

The standard point has a 200mm wide wing. Narrower 80mm, 120mm wide wings and wider 350mm wings are available for different applications.

Bolt on points that use a single bolt are quickly replaced keeping down time to a minimum.



#### Stealth leg and point option

The 15mm low disturbance leg and tungsten tipped LD point are also the product of many years development.

Whilst many customers are moving towards reduced tillage systems they appreciate that drainage is key to crop development, allowing timely field operations and preventing the relentless progress of grass weeds such as blackgrass.

The low disturbance leg and point that HE-VA has developed allows deep soil loosening whilst minimising surface disturbance and preventing mixing of the soil profile.

The thinner legs are made from stronger Hardox 500 steel. However it is the point that really makes the difference. The LD point has a shallower wing angle and shorter tungsten tipped nose that opens the soil to create drainage without disturbing the whole soil profile.



### HYDRAULIC RESET

All models are available with hydraulic auto reset for extremely stony conditions. An individual hydraulic ram on each leg which is connected to a gas accumulator allows the leg to break back and reset if it comes into contact with an unmovable object.

As the legs on a subsoiler are adjusted deeper the leverage on the hydraulic reset ram increases and so a pressure gauge is used to allow the operator to set the force required for the leg to break back.



### VERSATILE CULTIVATION

Having manufactured Subsoilers, Discs and Combination Cultivators for over a decade HE-VA have brought all their knowledge and experience together in the latest models of subsoilers. Launched as a 3m mounted machine in 2004 the range now includes trailed and larger hydraulic folding machines for use with up to 650 horsepower tractors. The HE-VA Subsoiler is designed with the operator in mind with all machine adjustments done hydraulically from the tractor seat.



See the working video at [www.he-va.co.uk](http://www.he-va.co.uk)

## REAR ROLLER OPTIONS

Like many of the machines in the HE-VA range the Subsoiler uses the proven pressed steel V-Profile Ring. However, all the rings are mounted on a maintenance free 150mm solid tube so that each section of the roller turns as one ensuring the machine can continue to work in very wet sticky conditions.

Each ring section is also castellated ensuring the roller turns in light soils and the aggressive rib and shoulder profile leaves an excellent consolidated weatherproof finish.



"Single" V-Profile, Diameter 600/700mm

Individually mounted sprung steel scrapers prevent soil build up between the ring and keep the machine running in the wet.

Alongside the standard V Profile rings, there is the Crumbler Roller for use in lighter soil types to allow the surface to be loose and increase drainage to the lower soil profile.



Cage Roller, Diameter 600mm

## SHEARBOLT

### 'Hammer-thru' quick-change

The 'Hammer-thru' shearbolt protects the machine in tough conditions and means minimum down time for the operator.

When the legs brake back the operator simply removes the holding pin and hammers another segment of the shearbolt through then returns the holding pin to its original position.

This removes the need to carry a supply of shearbolts while using the machine.



## STANDARD SUBSOILER SPECIFICATIONS

Model	Transport Width	Type	No. of Legs	Shearbolt	Hyd Reset	Roller Type
2.5m	2.5m	Mounted	3	985kg	1060	Cage
3m	3m	Mounted	3	1060kg	1170	Cage
3m	3m	Mounted	3	1680kg	1785	600mm V-Profile
3m	3m	Mounted	5	1850kg	2025	600mm V-Profile
3.5m	3.5m	Mounted	5	2030kg	2210	600mm V-Profile
3.5m	3.5m	Mounted	7	2200kg	2440	600mm V-Profile
4m	4m	Mounted	7	2380kg	2620	600mm V-Profile
4m	2.45m	Mounted	7	2730kg	2970	600mm V-Profile
4m	2.45m	Mounted	9	3260kg	3690	600mm V-Profile
5m	2.45m	Trailed	9	5900kg	6060	700mm V-Profile
6m	2.45m	Trailed	11	6500kg	6700	700mm V-Profile
7m	2.45m	Trailed	13	7150kg	7380	700mm V-Profile

### Specify a Subsoiler to suit the requirements on your farm

Once you have decided on which model suits your requirements there are a number of optional extras that can be added to help you get the most out of your subsoiler. If you have a lot of road transport then hydraulic or even air brakes can be fitted to trailed machines. Furthermore, as with other machines in the HE-VA range, to allow seeding at the same time as cultivating add a Multi-Seeder or an Accu-Disc (available as a factory fit or retro fit option)

#### OPTIONAL EXTRAS



##### HYDRAULIC & AIR BRAKES

Hydraulic or air brake upgrades are available for all trailed machines as a factory fit option.



##### LIGHT KITS

LED Light kits are available for all machines to allow safe road transport.



##### MULTI-SEEDER KITS

Seed can be distributed onto the tilth behind the legs, spread over the surface or placed using an Accu-Disc system.



##### LOW DISTURBANCE

Interchangeable low disturbance legs and points to reduce soil movement whilst still improving drainage.



##### TUNGSTEN

Tungsten tiles can be inset into the legs just above the point to reduce wear and prolong life.



##### LADDER & PLATFORM

Ladders and platforms are available to allow easy access to seeding units mounted to the machine.

See separate Stealth data sheet for more information on disc openers, legs and points and V profile roller



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