

www.baabor.com

baabor

NO TILL, NO YIELD



Low-disturbance
subsoilers

Low disturbance In-line subsoilers

These in-line subsoilers are intended for **decompacting** and hollowing out the soil, to promote **aeration**, **water absorption** capacity and to facilitate the growth of the roots of the crop.

Given the shape of the tillers and their blades, a **uniform cracking** of the soil is achieved with a minimum variation in its natural layers; For this reason, we call them "**low disturbance**".

OPERATING MODE

The subsoiler is attached to the tractor through the rear three-point hitch. The tractor pulls the implement and lowers its arms, allowing the shanks to dig into the ground, up to the desired working depth. The **front control roller** and the height position in which it is placed is what determines the working depth of the shanks. Regarding the height of the roller, this is regulated hydraulically by means of cylinders controlled from the tractor cabin. There is a depth scale for the operator's reference. Likewise, this roller has **weed cutting discs**, positioned in front of each shank.

Based on this setup, the tractor goes forward with its shanks dug into the soil and, in turn, the blades in the lower part cut the soil and move it vertically upwards in a wavy pattern, thus allowing to **crack it without stirring it**.

A greater or lesser disturbance of the surface is achieved by changing the angle of attack of the blade, by shortening or lengthening the third point of the tractor.



ADVANTAGES / BENEFITS OF OUR SUBSOILERS

- ✓ Optimum decompaction and oxygenation of the soil, in addition to greater water retention.
- ✓ Design of the shanks and shovels (in-line): it does not modify the vegetative layers of the earth, it does not stir, it only cracks and hollows the land uniformly (low disturbance).
- ✓ Good rooting of plants: easy and fast.
- ✓ High-quality materials: made of Hardox, highly resistant anti-wear steel.
- ✓ Possibility of covering the shanks and blades with different wear materials, for different types of terrain.
- ✓ Very robust and easy to handle machine.
- ✓ Front roller: in addition to cutting weeds, it allows instant control of the implement from the cabin.
- ✓ Optional: packer roller and rear three-point hitch.
- ✓ Minimal maintenance.
- ✓ Various series and models available.



SUBSOILERS MODELS

We classify the Baabor subsoiler in two series: **S** and **SF Series** (folding) both of them with hydraulic cylinders.

■ S SERIES

In these series, the subsoilers have **retractable shanks** in case of overexertion.

The shank is preloaded to maximum penetration force by a hydraulic firing cylinder connected to a hydraulic accumulator.

In the event of overstress, the cylinder compresses, sending the oil inside it to the accumulator, allowing the shank to tilt and rise, thus overcoming the obstacle. Once the obstacle has been overcome, the accumulator, which maintains the pressure in the cylinder, causes the latter to push the shank to its working position again.

The firing force is regulated by increasing or decreasing the internal pressure of the hydraulic accumulator. This process is carried out from the tractor cabin.



■ SF SERIES

The **SF series** refers to the **folding subsoiler** models. The operation in terms of protection is the same as the S series (retractable shanks), but they also have 2 independent front control rollers.

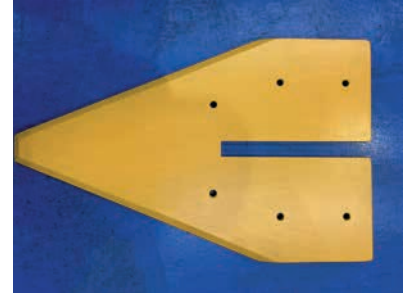


TYPES OF BLADES ON SUBSOILERS

We have different types of blades for our subsoilers, as we know that not all soils have the same requirements. Therefore, in addition to the conventional blade, we offer you other alternatives in case you need greater strength and durability.

■ STANDARD BLADE

This is the conventional blade, made of Hardox 500, a very durable material. It performs very well in all types of conditions, lifting and breaking up the soil.



■ STANDARD BLADE WITH TUNGSTEN CARBIDE

Same shape as the standard blade, but with tungsten carbide inserts, which provides higher durability, up to 7 times more than the conventional blade.



■ ASYMMETRIC BLADE

Blade made of Hardox with an asymmetric shape. It has a wing on one side at the back, which achieves greater soil fracturing, especially in wet conditions. It can also be used in dry conditions.

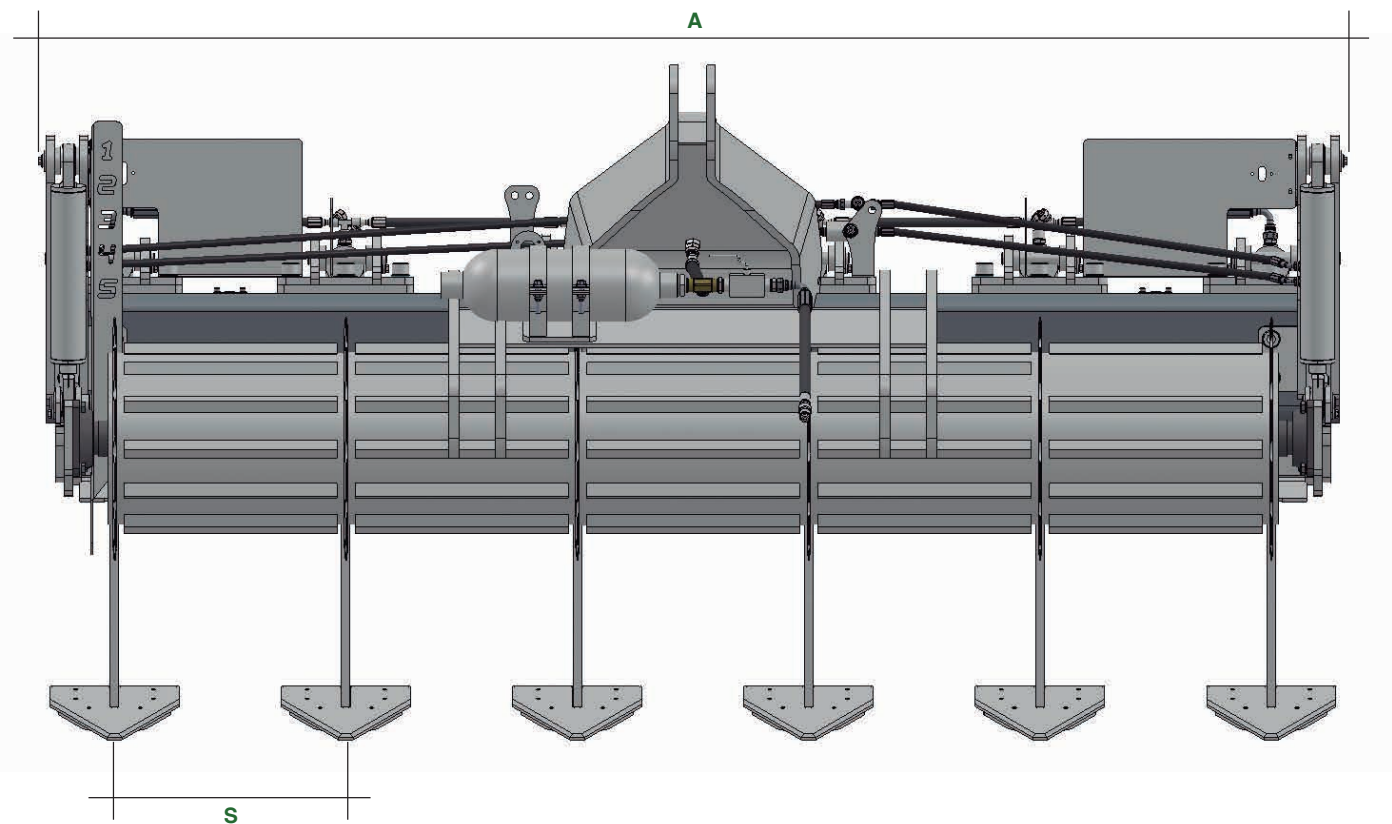
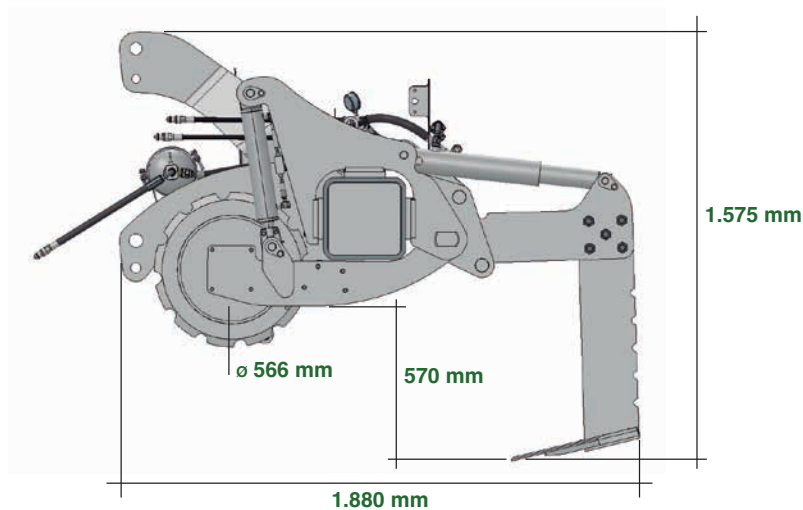


■ ASYMMETRIC BLADE WITH TUNGSTEN CARBIDE

Same shape and application as the Hardox asymmetric shovel, but with tungsten carbide inserts, which gives it greater durability.



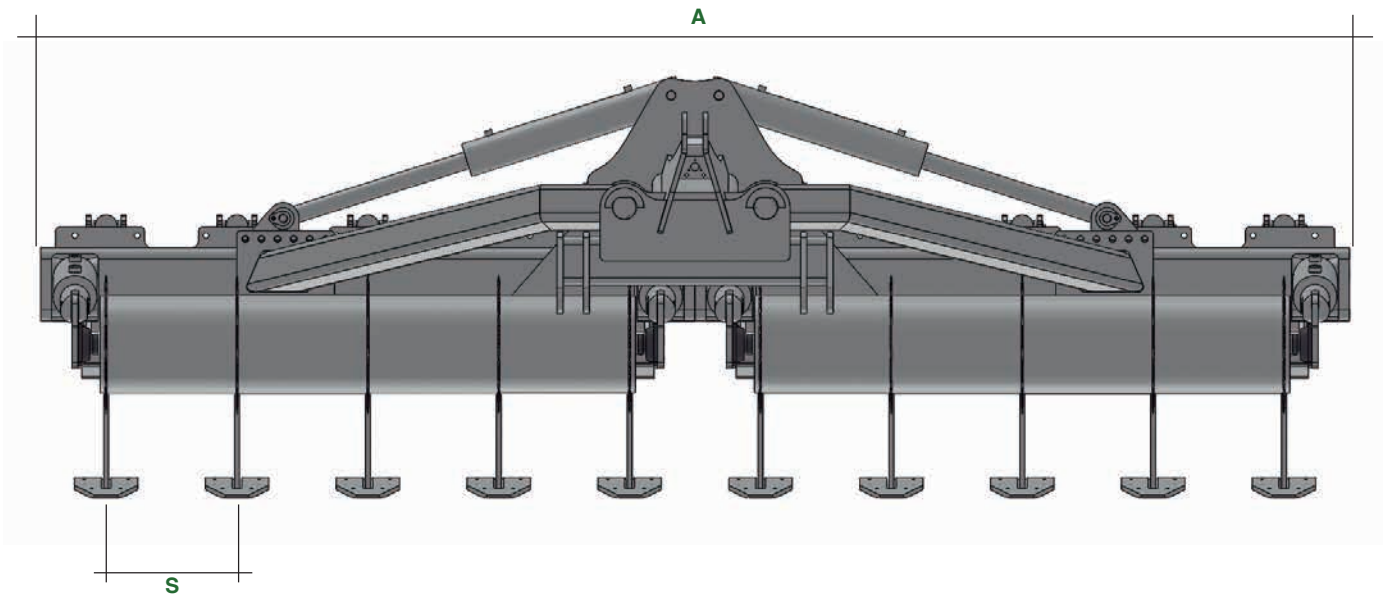
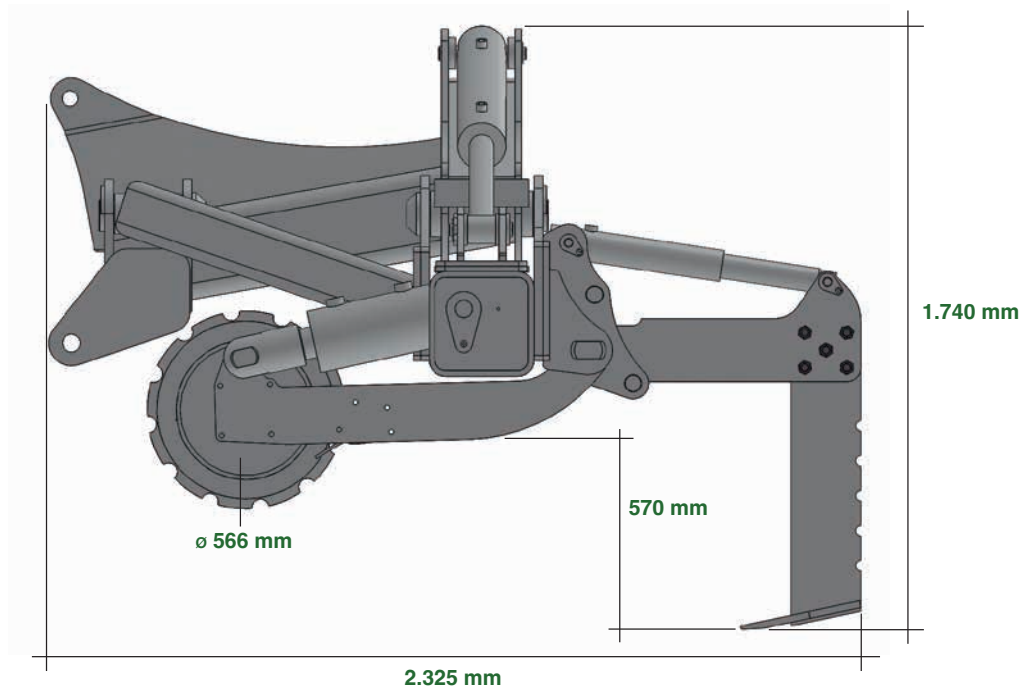
S SERIES



S SERIES

TECHNICAL SPECIFICATIONS		S260	S275	S300	S320	S330
Working width	mm	2.600	2.750	3.000	3.200	3.300
Working depth	mm	0 - 600	0 - 600	0 - 600	0 - 600	0 - 600
Transport width (A)	mm	2.420	2.520	2.815	3.000	3.000
Shank spacing (S)	mm	525	550	500	537	670
Number of shanks		5	5	6	6	5
Required power	H.P.	170 - 220	200 - 250	250 - 350	300 - 400	300 - 400
Type of coupling	CAT.	III - IV	III - IV	III - IV	III - IV	III - IV
Approximated weight	Kg	2.470	2.500	2.600	2.750	2.620

SF SERIES - FOLDING



SF SERIES - FOLDING

TECHNICAL SPECIFICATIONS		SF420	SF530	SF640
Working width	mm	4.200	5.300	6.400
Working depth	mm	0 - 600	0 - 600	0 - 600
Transport width (folded)	mm	3.000	3.000	3.000
External width (deployed) (A)	mm	4.280	5.370	6.450
Shank spacing (S)	mm	537	537	537
Number of shanks		8	10	12
Required power	H.P.	350 - 450	400 - 500	500 - 700
Type of coupling	CAT.	IV	IV	IV
Approximated weight	Kg	5.700	6.100	6.500



baabor

ARRIURDINA, 15. Pol. Ind. Júndiz · 01015 VITORIA-GASTEIZ (ÁLAVA) - SPAIN · Tel.: +34 945 290 555

Sales Department · Ricardo Ibáñez · ricardo@baabor.com · +34 664 413 196
Commercial Export Manager · Javier Aracama · javier@baabor.com · +34 629 290 555

www.baabor.com