



HYDROPNEUMATIC
SUBSOILER

SEATING IDR



ma/ag
MACCHINE AGRICOLE S.r.l.



SUBSOILER SEA NG IDR

DEPTH AND SURFACE WORKING FOR AN OPTIMAL CROP

- Depth working and reclaiming of the soil, made by the shanks and clod-shattering fins.
- Rough machining, refinement and levelling in surface, obtainable by using hydraulic kit, adjustable in high as single or double spike rollers or by discs with depth and working angle regulation.
- The tillage leaves a residue cover on the surface from 30 to 60%, with both surrounding and agronomic advantages.
- The tillage with the SEA equipment permits a big economy to run and a high hourly capacity (tractor round speed from 5 to 10 Km/h), low environmental impact with less emission of carbon dioxide in the environment and a significant low energy consumption for worked hectare.



HYDROPNEUMATIC SUBSOILER

SEA NG IDR

STANDARD EQUIPMENT

- Brought on lift machine, ideal for soil loosening and for minimal tillage, suitable for high-power tractor.
- Frame built with steel tubular 100x100x10, maximal strength, fully welded, in order to assure the best strength.
- Different configuration from 5 to 9 shanks, according to working width and to Horse Power available. Shanks are arranged on 2 or 3 working rows, depending on the number and the model.
- Steel shank thickness 35 mm supplied with a cut-off device with a safety device – HYDROPNEUMATIC NO STOP . Interchangeable, reversible share, with shank protection against wear. On the shank it is possible to mount a couple of side shares.
- Couple of rubber wheels for working depth regulation (at request).
- On the rear it is possible to equip the machine with spike roller - double star roller - rear disc all with hydraulic adjustment on series.
- Sub frame depth: 92 cm - depth working until 65 cm.

SEA NG IDR 25/5 RD

NO STOP SYSTEM

The Hydropneumatic safety device with nitrogen accumulator prevents damages to frame of the machine and increase the productivity by reducing the downtime, coming from the shear bolts replacement: once the obstacle is overcome, the system automatically brings the shank back to its working position.



SEA NG IDR 30/7 RD



BASIC VERSION

MODEL	FRAME	SHANK N.	WORK (m)	TRANSP. (m)	HP	KG
SEA NG IDR 25/5 B	FIXED	5	2,50	2,50	150/190	1770
SEA NG IDR 30/7 B	FIXED	7	3,00	3,00	190/220	2160
SEA NG IDR 40/9 B	FIXED	9	4,00	4,00	260/300	2810

VERSION WITH SINGLE SPIKE ROLLER - TUBULAR DIAM. 220 mm - HYDRAULIC SETTING

MODEL	FRAME	SHANK N.	WORK (m)	TRANSP. (m)	HP	KG
SEA NG IDR 25/5 SR	FIXED	5	2,50	2,50	150/190	2030
SEA NG IDR 30/7 RS	FIXED	7	3,00	3,00	190/220	2440
SEA NG IDR 40/9 RS	FIXED	9	4,00	4,00	260/300	3470



ACCESSORIES AT REQUEST

ACCESSORIES	DESCRIPTION
ACSEANG01	Couple of rubber wheels for depth regulation
ACSEANG02	Shares
ACSEANG04	Lateral containment kit



VERSION WITH DOUBLE SPIKE ROLLER - TUBULAR DIAM. 220 mm - HYDRAULIC SETTING

MODEL	FRAME	SHANK N.	WORK (m)	TRANSP. (m)	HP	KG
SEA NG IDR 25/5 RD	FIXED	5	2,50	2,50	150/190	2100
SEA NG IDR 30/7 RD	FIXED	7	3,00	3,00	190/220	2970
SEA NG IDR 40/9 RD	FIXED	9	4,00	4,00	260/300	3930

VERSION WITH REAR DISCS DIAM. 610X5 mm - HYDRAULIC SETTING

MODEL	FRAME	SHANK N.	WORK (m)	TRANSP. (m)	HP	KG
SEA NG IDR 25/5 DIS	FIXED	5	2,50	2,50	150/190	2670
SEA NG IDR 30/7 DIS	FIXED	7	3,00	3,00	190/220	3170
SEA NG IDR 40/9 DIS	FIXED	9	4,00	4,00	260/300	4210



SHANKS

The drawing of the SEA shanks is the result of the ma/ag experience for obtaining a progressive penetration profile into the soil that permits the maximum result with the minimum effort.

The reversible share (fixed with the quick release system for permitting an easy change) cuts the deep layer and improves shank penetration in consistent soil.

The side wings achieve a better crumbling and turnover of the upper level of the soil.

The wear-resistant protection of the shank preserves the profile and the thickness of the same and is easily replaced if necessary.

The front steel blade, put on the wear resistant protection, cuts the soil lifted by the shank, reducing the risk of soil clogging and residue congestion deriving from tillage (optional accessory).





HYDROPNEUMATIC NO STOP SYSTEM

The NO STOP system safety device has been thought for very hard soils where, the presence of a great number of stones, prevent the fluid working with a safety device with share bolts.

The main characteristic of this system is that, with an obstacle, it authomatically comes into operation with the hydropneumatic circuit with nitrogen accumulator

The nitrogen accumulator with control valve permits to absorb the cylinder oil, thus enabling the shank to be elastic and to absorb shocks and strains through a gradual return.

This system prevents damage to the frame structure.

Once the obstacle is overcome, the system brings the shanks back to its working position without stopping.



LATERAL CONTAINMENT KIT

The lateral containment kit keeps the clods within the working width of the machine, preventing them from discharging on the already tilled soil or on the soil still to be tilled.

DOUBLE SPIKE ROLLER

The double spike roller generates a very important surface processing and an excellent leveling of a full of clods soil, broken in depth by shanks, facilitating and reducing the subsequent processes for the preparation of the soil. The hydraulic handling system is based on a parallelogram with a great excursion and a wide margin of adjustment of the working depth, also, to ensure the optimum position of the two rollers, there is a threaded rod for adjusting the inclination of the same.

The rollers are of large diameter (220 mm) to ensure an excellent crushing, even in difficult and tenacious soil conditions, and they are fitted with spikes made of printed steel by 210 mm (particularly resistant to wear) to contribute significantly to the burying of cultivation residues.

The bigger steel supports (system ma/ag) are equipped with a triple protection and steel pin with a diameter of 50 mm.



SEA NG IDR 30/7 RD



MADE IN ITALY



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