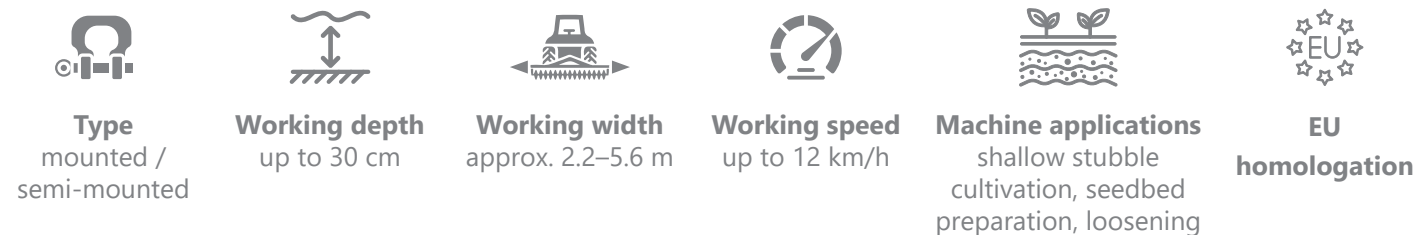


MINIMUM MAINTENANCE REQUIREMENTS ENSURE HIGH OPERATING RELIABILITY



SMS Agro share cultivators are universal machines designed for shallow to medium-depth soil cultivation. In a single pass, they loosen and mix the soil and incorporate crop residues. The ATOS, ARRAS and ARIEL ranges cover a wide spectrum of operations – from rapid post-harvest stubble cultivation and high-quality seedbed preparation to more intensive loosening in minimum-tillage systems.

The robust frame design, combined with an optimised arrangement of the working elements, ensures smooth machine operation even in demanding conditions. The variable configuration of shares, protection systems and support rollers allows the machine to be adapted to specific soil types and the farmer's working requirements.

The emphasis on simple adjustment, easy operation and minimal maintenance requirements ensures high operating reliability and efficient use of the machine throughout the season.



APPLICATIONS

- Rapid shallow stubble cultivation after harvest
- Seedbed preparation
- Intensive incorporation of crop residues
- Restoration of soil structure and aeration
- Minimum-tillage soil cultivation systems
- Work in various soil conditions thanks to a wide range of configurations



ACCESSORIES

SHARES AND POINTS



CRUMBLING ROLLERS



**TUBE
ROLLER**
ø 540 mm, suitable for
standard conditions



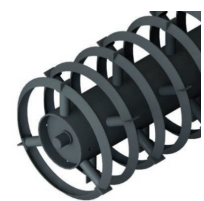
**SPRING
ROLLER**
ø 530 mm, resistant
to clogging



U ROLLER
ø 540 mm,
excellent crumbling
effect



DDL ROLLER
ø 560 mm,
excellent crumbling
and consolidation
effect



CRACKER ROLLER
ø 540 mm,
excellent crumbling effect

LEVELLING SECTION



**FOLLOWING
HARROW
(ARRAS)**
Wire Ø 12 mm,
continuously adjustable
working height and angle



**LEVELLING
TINES**
for light and
medium-heavy soils



**LEVELLING
DISCS**
excellent levelling effect,
suitable for all soil types

LONG LIFE



POINT
Long-life point



SMS
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SMS
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SHARE CULTIVATORS

ATOS
ARRAS
ARIEL



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ATOS

UNIVERSAL CULTIVATOR FOR MINIMUM-TILLAGE SYSTEMS

ATOS is a versatile cultivator suitable for a wide range of operations – from shallow stubble cultivation to deeper loosening in minimum-tillage systems. Thanks to three rows of shares, it ensures intensive soil mixing and even incorporation of crop residues. The variable configuration of shares and protection systems allows the machine to be adapted to different soil conditions and working requirements.

- Working depth up to 30 cm
- 3 rows of shares for intensive soil mixing
- High clearance thanks to frame clearance of up to 84 cm
- Choice of 4 tine protection systems for different conditions
- Even incorporation of crop residues
- Option of a seeding unit for cover crops
- Wide range of rollers and working elements
- Simple adjustment and minimal maintenance requirements



PROTECTION SYSTEMS



Protection B – shear bolt

- Simple and economical solution
- Suitable for less demanding, stone-free soils



Protection P – spring

- Suitable for heavier and stony soils
- Automatic protection upon impact



Protection H – hydropneumatic

- Hydraulically adjustable tine release force
- Suitable for demanding conditions



Flexible tine S 40

- Double-coiled flexible tine made of 40×40 mm profile
- Suitable for lighter and sandy soils

TECHNICAL DATA	300	360	440H	500H	440	500
Type	one-piece, mounted		two-piece, mounted, hydr. folding		two-piece, semi-mounted, hydr. folding	
Min. power [kW/HP]	80/110	120/160	140/190	150/200	140/190	150/200
Number of shares	10	12	14	16	14	16
Transport width [cm]	298	395	298	298	298	298
Working width [cm]	300	360	440	500	440	500
Tyre size	-	-	-	-	400/60-15,5	400/60-15,5
Weight* [kg]	1180	1400	2200	2600	3020	3500
Hitch	cat. 3	cat. 3	cat. 3	cat. 3	cat. 3	cat. 3

* Depending on the selected specification

ARRAS

HIGH-PERFORMANCE CULTIVATOR FOR INTENSIVE SEEDBED PREPARATION

ARRAS is a mounted tine cultivator with three rows of chisel shares designed for seedbed preparation, shallow stubble cultivation and deeper loosening down to 20 cm. High clearance, spring-protected tines and a wide range of equipment options enable efficient work in different soil conditions.

- 3 rows of chisel shares with 22.5 cm spacing for intensive soil mixing
- Working depth up to 20 cm depending on configuration
- High clearance thanks to the large 72 cm frame clearance
- Universal use – stubble cultivation and seedbed preparation
- Even incorporation of crop residues
- Wide range of accessories
- Simple adjustment and easy operation



LEVELLING SECTION



Following harrow

- Wire Ø 12 mm,
- Continuously adjustable working height and angle



PROTECTION SYSTEMS



Flexible tine S 35

- Double-coiled flexible tine made of 35×35 mm profile
- Suitable for lighter and sandy soils
- Allows movement both in the direction of travel and sideways



Levelling tines

- Suitable for light and medium-heavy soils

TECHNICAL DATA	300	470H	560H	530
Type	one-piece, mounted	three-piece, mounted, hydr. folding		two-piece, semi-mounted, hydr. folding
Min. power [kW/HP]	80/110	130/175	150/205	150/205
Number of shares	13	21	25	23
Transport width [cm]	298	298	298	298
Working width [cm]	300	470	560	530
Tyre size	-	-	-	400/60-15,5
Weight* [kg]	1250	2440	2650	3720
Hitch	cat. 3	cat. 3	cat. 3	cat. 3

* Depending on the selected specification

ARIEL

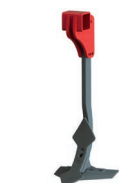
EFFICIENT CULTIVATOR FOR SHALLOW SOIL CULTIVATION

ARIEL is a tine cultivator designed for shallow post-harvest stubble cultivation and seedbed preparation. The two-row arrangement of wing shares, combined with a levelling section and support roller, ensures even soil mixing and a high-quality working result.

- Two rows of wing shares with 42 cm spacing
- Working depth from 8 to 20 cm
- Rigid or hydraulically folding three-piece mounted frame
- Disc levelling section
- Wide range of support rollers
- High clearance thanks to the 72 cm frame clearance



PROTECTION SYSTEMS



Protection K – shear bolt

- Simple and economical solution
- Share angle adjustment in three positions



Protection P – spring

- Suitable for heavier and stony soils
- Automatic protection upon impact

LEVELLING SECTION



Levelling discs

- Provide an excellent levelling effect
- Suitable for all soil types

TECHNICAL DATA	300	460H
Type	one-piece, mounted	three-piece, mounted, hydr. folding
Min. power [kW/HP]	80/110	130/175
Number of shares	7	11
Transport width [cm]	298	300
Working width [cm]	300	460
Weight* [kg]	1080	2250
Hitch	cat. 3	cat. 3

* Depending on the selected specification