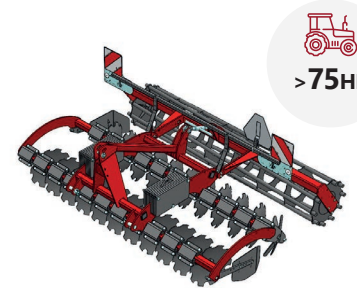


FOR SMALL FARMERS AND LARGE AGRICULTURAL ENTERPRISES

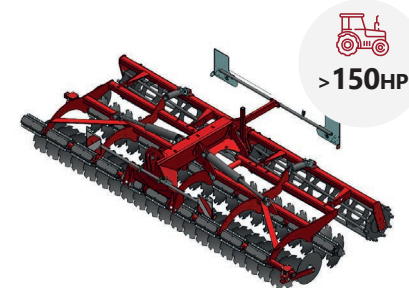


ONTARIO disc cultivators are available in three design types depending on the machine's working width. Farmers can therefore choose the solution that best suits their fields and tractor. All design types are manufactured from highly durable materials to ensure reliable operation even in demanding terrain and a long machine service life.



200 - 300

One-piece rigid frame
Mounted machine



400 H - 600 H

Two-piece frame, hydr. folding
Mounted machine



500 - 600

Two-piece frame, hydr. folding
Semi-mounted machine

SUPPORT ROLLERS



TUBE ROLLER

- Ø 540 mm
- Standard support roller



U ROLLER

- Ø 540 mm
- Excellent crumbling effect



DDL ROLLER

- Ø 560 mm
- Excellent crumbling and consolidation effect



SPRING ROLLER

- Ø 530 mm
- High resistance to clogging



CRACKER ROLLER

- Ø 540 mm
- Excellent crumbling effect



DOUBLE U ROLLER

- Ø 540 mm
- Excellent crumbling effect

DISC TYPES



SERRATED

- Ø 510 mm (standard)
- Ø 560 mm (optional)



LABRADOR

- Ø 510 mm

SEEDING UNITS

ONTARIO disc cultivators can be optionally equipped with seeding units for sowing cover crops, fertiliser application and similar operations. Seeding units from the renowned Austrian manufacturer APV are available, ensuring precise metering and even distribution even in demanding conditions. The range and system of seeding units are modular and can be easily adapted to your needs.

Fan drive types:

Electric drive – ideal for grass seeds and lower seeding rates

Electric Plus – a more powerful electric version suitable for combined sowing of grass and field crops

Hydraulic drive – recommended for sowing conventional crops with larger seed volumes

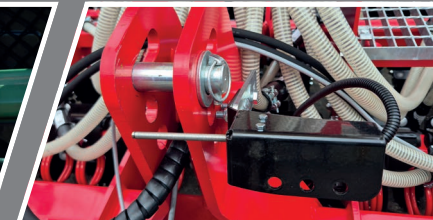
ADDITIONAL SEEDING UNIT ACCESSORIES



Hopper capacities
100 – 300 l



Control modules
several different types



Speed and other sensors
various types and systems to make
operation easier

FOR EVEN GREATER PERFORMANCE AND

The ONTARIO disc cultivator range is complemented by the heavy-duty **SUPERIOR** and **SUPERIOR G** disc cultivators, with working widths from 5 to 12 m. They are designed for demanding farmers and agricultural enterprises where fast and efficient work over large areas is a priority.



SUPERIOR



SUPERIOR G



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Co-funded by
the European Union



DISC CULTIVATORS

ONTARIO

a universal solution
for fast shallow stubble cultivation



WWW.SMSCZ.CZ



EVEN AND FAST
SOIL CULTIVATION



Type
mounted, mounted hydraulically folding, semi-mounted hydraulically folding



Working width
2 - 6 m



Working depth
up to 12 cm



Working speed
up to 15 km/h



Disc diameter
510 mm (optional 560 mm)



Machine applications
shallow stubble cultivation, seedbed preparation



EU homologation

ONTARIO disc cultivators are modern machines designed for fast, high-quality soil cultivation with an emphasis on simplicity, reliability and low operating costs. The model range includes mounted and semi-mounted versions with working widths from 2 to 6 metres, featuring robust construction, high crop-residue clearance and easy operation. ONTARIO provides farmers with efficient performance in a compact design and the confidence of an excellent result in all conditions.



APPLICATIONS



- Fast shallow stubble cultivation and loosening to a depth of up to 12 cm
- Intensive mixing of crop residues
- Seedbed preparation after ploughing or loosening
- Even incorporation of organic matter
- Restoration of the soil water regime and improved rainfall infiltration
- Reconsolidation and improved capillary rise of soil moisture
- Option of fitting a seeding unit for sowing cover crops and green manure



A solution for every farm

Farmers can choose from three basic design types according to soil conditions and tractor power. On multi-section designs, the frame locks when the machine is unfolded to ensure even soil cultivation across the entire working width. The ONTARIO model range is complemented by the heavy-duty SUPERIOR and SUPERIOR G disc cultivators with working depths of up to 18 cm and working widths from 5 to 12 m.



Robust construction

High-strength materials are used in production to ensure excellent machine durability even in demanding conditions and a long service life.



Tine mounting on robust rubber silent blocks

Each double tine with discs is mounted to the frame on a long, durable rubber silent block, increasing its rigidity and service life even in demanding working conditions and allowing it to cope easily with unexpected obstacles such as stones.



Flexible levelling bar – New

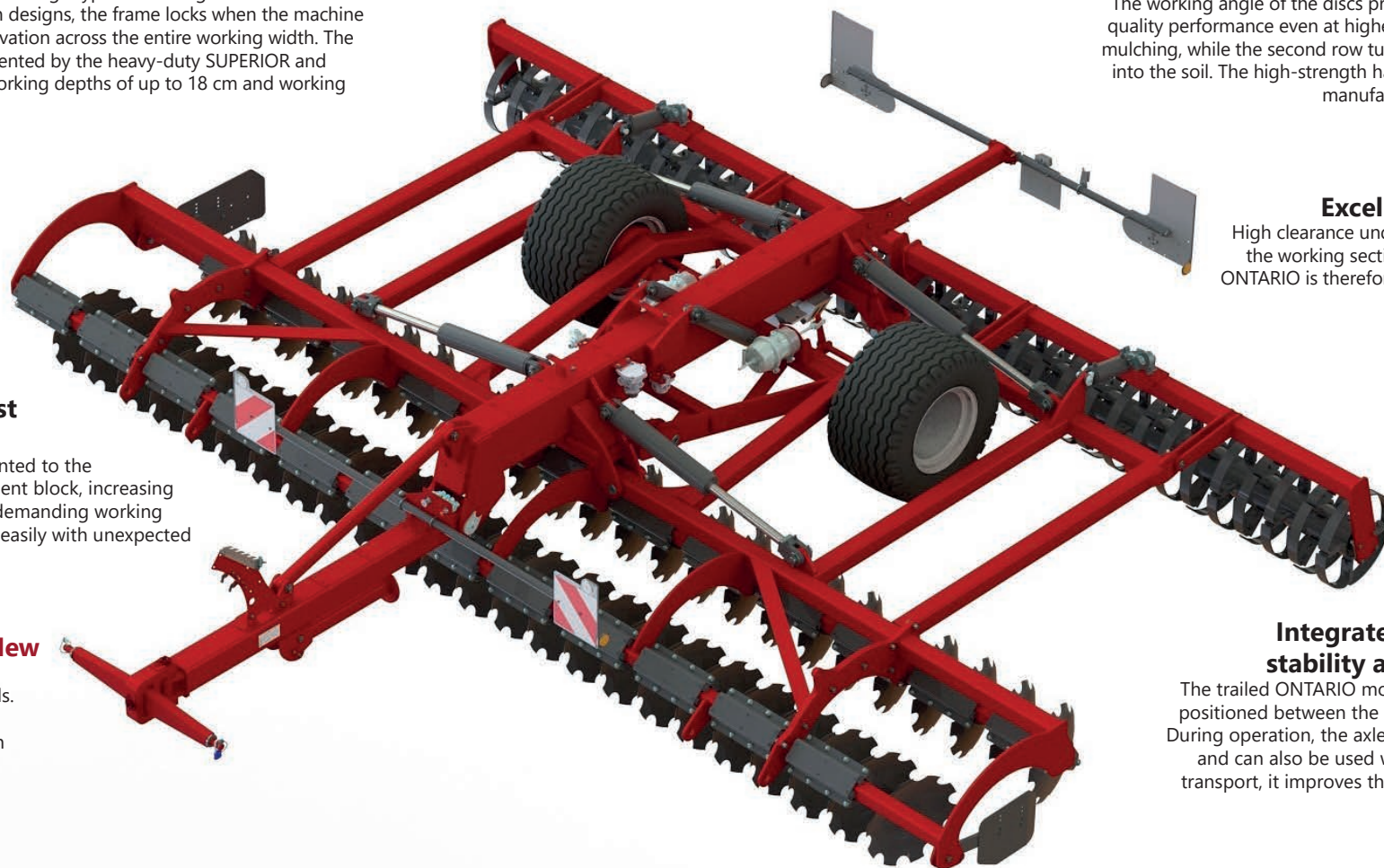
A flexible levelling bar is available for the Ontario 500 and 600 models. The bar is hydraulically controlled. The 80×10 mm tines are fitted with a flat curved blade.



Double tine

The double working units maintain the working depth extremely well while following the terrain effectively. They provide excellent lateral torsional rigidity, keeping their position and minimising sideways deflection even at maximum working speeds. Thanks to the twin-arm design, the discs also offer a long service life, as the double tines distribute wear over a wider mounting area.

ONTARIO 600



Two rows of discs with a diameter of up to 560 mm

The working angle of the discs provides aggressive penetration and high-quality performance even at higher speeds. The first row ensures excellent mulching, while the second row turns the material and incorporates it back into the soil. The high-strength hardened-steel discs come from premium manufacturers and guarantee a long service life.



Excellent crop-residue clearance

High clearance under the frame and wide spacing between the working sections prevent the machine from clogging. ONTARIO is therefore ideally suited to working in conditions with a high proportion of crop residues.



Working depth up to 12 cm

The working depth is adjusted using clips on the individual hydraulic cylinders and controlled by a single hydraulic circuit. This makes it quick and easy to set the machine to suit the required conditions.



Integrated axle for greater machine stability and more efficient handling

The trailed ONTARIO model is equipped with an integrated axle positioned between the rear row of discs and the support roller. During operation, the axle effectively adds weight to the machine and can also be used when setting the working depth. During transport, it improves the manoeuvrability of the disc cultivator.



Wide range of accessories

Farmers can choose between two disc sizes and from a wide range of support rollers. Seeding units are also available, as well as side deflectors, additional ballast weights for mounted models and other accessories.



TECHNICAL DATA

ONTARIO		200	250	300	400 H	500 H	600 H	500	600
Type		mounted, one-piece frame			mounted, two-piece hydraulically folding frame			semi-mounted, two-piece hydr. folding frame	
Working width	[cm]	200	250	300	430	510	600	500	600
Transport width	[cm]	200	250	300	255	255	255	295	295
Min. tractor power	[kW/HP]	55/75	65/90	80/110	110/150	140/180	170/230	140/180	170/230
Number of discs	[ks]	14	18	22	32	40	48	40	48
Weight*	[kg]	1290	1350	1450	2600	3000	3400	4100	5000
Hitch category		Cat. II		Cat. III	Cat. 3N	Cat. 3N	Cat. 3N	Cat. 3 drawbar	Cat. 3 drawbar
Tyres (standard)		-	-	-	-	-	-	19/45-17	19/45-17

* Depending on machine specification