



A company of the Aebi Schmidt Group

# ML 51-A.1 & CPS 5.3

## Motorway Snow Ploughs



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## Motorway Snow Ploughs

- Efficient application on motorways thanks to the combination of the ML 51-A.1 snow plough and the CPS 5.3 lateral snow plough
- Reliable clearing results even at high speeds thanks to the blade sections that automatically adapt to the road surface

### Vehicle requirements

Suitable for attachment to trucks

### Attachment and detachment

To vehicles with size-5 mounting plate incl. parking supports

### Lifting and swivelling mechanism

**ML 51-A.1:** Three-point lifting mechanism, hydraulic lifting and lowering mechanism and lateral adjustment (right/left), maintenance-free lateral inclination, hydraulic positioning cylinder for lifted plough

**CPS 5.3:** Parallelogram lifting mechanism with hydraulic lifting and lowering mechanism, continuously variable lifting with mechanical securing device, maintenance-free lateral inclination

### Blade & Support frame

**ML 51-A.1:** Multi-blade snow plough with pre-stressed blade sections for aggressive clearing operations. The individual plough blades adapt to the road surface and always remain in clearing position. Rigid polyurethane lower links and elastic polyurethane upper links for excellent cushioning; hydraulically extendible plough enlargement with hydraulic and mechanical securing device as well as automatic lifting during retraction to ensure clearing in any position

**CPS 5.3:** Constant-position snow plough for right-hand clearing; hydraulically extendible and retractable, incl. hydraulic plough securing device against unintentional extension; stable, torsion-resistant box construction; spring-loaded sections on the bottom side for mounting of cutting edges.

### Deviation system

**ML 51-A.1:** Automatic deviation system through link-guided plough blades for safe negotiation of surface obstacles without damaging the plough

**CPS 5.3:** Butterfly-valve deviation system

### Cutting edge

**ML 51-A.1:** Steel cutting edge, rubber cutting edge or combined S cutting edge

**CPS 5.3:** Steel cutting edge or combined S cutting edge

### Hydraulic system & Operation

**ML 51-A.1:** Suitable for shared hydraulic system with integrated pressure-limiting valves

**CPS 5.3:** Suitable for vehicle hydraulic system with snow plough actuation for lateral snow ploughs.

### Optional equipment

**ML 51-A.1:** Height-adjustable sliding plates or castor wheels, castor wheel cover, trolley, elastomer snow deflector with blade cover, snow deflector for plough enlargement, kerb deflector right and left, warning flags

**CPS 5.3:** trolley, kerb deflectors, warning flags

Dimensions	ML 51-A.1	CPS 5.3
Cutting edge length (mm)	5,100	3,300
Clearing width, extended (mm)	4,420 (at 30°)	2,530 (at 40°)
Clearing width, retracted (mm)	3,380 (at 30°)	-----
Clearance width, extended (mm)	4,640 (at 30°)	-----
Clearance width, retracted (mm)	3,770 (at 30°)	2,640 (at 40°)
Snow plough height left (mm)	920	980
Snow plough height right (mm)	920	1,400
Centroidal distance to coupler plane (mm)	1,040	620
Number of blades	5	1
Weight (operational, with cutting edge) (kg)	approx. 1,430	approx. 853

