

SCHMIDT

MS

Airport Snow Ploughs



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The MS series airport snow ploughs have been specifically developed for the fast and residue-free removal of snow from airport runways, taxiways and airfield aprons. Its innovative obstacle override system enables it to easily overcome surface obstacles, such as concrete irregularities or ground lights.

The design

The MS snow ploughs are special multi-blade snow ploughs with high and low blade levels which are based on the successful TARRON snow plough series. Each blade is 800 mm wide and this makes the ploughs easily adaptable to the surface needing to be cleared. Depending on the cutting blade length, which ranges from 4,800 mm to 8,000 mm, the MS snow ploughs comprise of six to ten blades, each of them fitted with a special Vulkollan clearing edge with a setting angle of 45°. In the reduced blade height option, each MS series snow plough is 220 mm lower to the left, middle and right. The shape of the clearing blade has been designed for ejecting the snow far away even at low feeding rate. This makes the MS suitable for clearing in formation.

Residue-free snow clearing

The special MS series snow ploughs are designed for high-quality clearing. Each of the 800 mm wide blades is held in position by two reinforced springs and the outer blade segments even have three springs. An optional fine finish blade removes any remaining snow and reduces the need for de-icing agents.

Furthermore, the MS snow ploughs with low blade height can be equipped with an ejection barrier. This prevents the undesirable deposition of snow in sensitive areas of airfield aprons. The two hydraulically driven and steplessly adjustable segments can be operated separately or simultaneously. High degree of visibility is ensured also when the ejection barrier is folded up. The full sealing between the plough blade and the ejection barrier guarantees residue-free clearing.

High degree of manoeuvrability

The MS 72.1 and 80.1 snow ploughs are also available with folding outer blades (MS 72.1 K and 80.1 K), which reduces the passage width to 4,560 mm and 4,860 mm, respectively. This increases the manoeuvrability and allows it to reach its destination without difficulty. Due to the automatic blade position control, the operator is provided the additional guarantee of avoiding operating errors during clearing. Alternatively, the plough can be equipped with a quick-change system, allowing the quick and easy disconnection of the plough blade together with the frame from the lifting device and thus from the vehicle.

Safe operation

The precise parallel lifting mechanism for raising and lowering as well as swivelling the MS snow plough not only achieves a considerable ground clearance while in transport but also allows for tension-free swivelling and a short front end. The hydraulic empty drive element additionally increases the manoeuvrability.

Technical Data	MS 48.1	MS 48.1N	MS 56.1	MS 56.1N	MS 64.1	MS 64.1N
Snow plough height left and right (mm)	1,550	1,330	1,550	1,330	1,550	1,330
Snow plough height middle (mm)	1,420	1,200	1,420	1,200	1,420	1,200
Cutting edge length (mm)	4,800	4,800	5,600	5,600	6,400	6,400
Clearing width at 32° (mm)	4,070	4,070	4,750	4,750	5,430	5,430
Weight ca. (kg)	1,660	1,590	1,840	1,750	1,980	1,880

Technical Data	MS 72.1	MS 72.1 N	MS 72.1-K	MS 72.1N-K	MS 80.1	MS 80.1-K
Snow plough height left and right (mm)	1,550	1,330	1,550	1,330	1,590	1,590
Snow plough height middle (mm)	1,420	1,200	1,420	1,200	1,460	1,460
Cutting edge length (mm)	7,200	7,200	7,200	7,200	8,000	8,000
Clearing width at 32° (mm)	6,100	6,100	6,100	6,100	6,780	6,780
Weight ca. (kg)	2,150	2,030	2,400	2,280	2,550	2,650

N = Reduced plough height

K = Foldable blade sections left and right side

