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Tarron MS Airport

Snow plough

The MS snow ploughs are multi-blade special snow ploughs with optional high or low blade heights and based on the successful Tarron series. The MS series is specially designed for fast and highly efficient snow clearance on airport runways, taxiways and aprons. With their innovative override system, they easily avoid ground obstacles such as concrete elevations or ground lamps during operation.

Highlights

- **Aggressive 45°** snow plough for high clearing quality
- **Optimum snow removal** even with large amounts of snow
- Suitable for **all types of snow**
- **Customizable** depending on application area (K-foldable external segments, A- ejection barriers or W-quick release version)

Your benefits

- Safe driving over obstacles without damaging the snow plough thanks to the **automatic override system.**
- Prevention of unwanted snow deposits on sensitive areas such as aprons thanks to the **ejection barrier** (A-version).
- Efficient and reliable removal of residual snow with the **hydraulic fine-clearing bar**.

Performance features

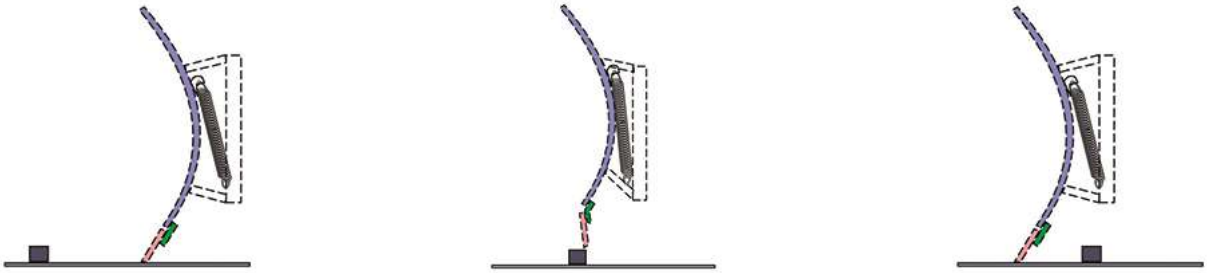
Plough blade



Its multi-blade system makes the Tarron MS snow plough highly adaptable to the traffic area to be cleared. Depending on the length of the cutting edge - which ranges from 4,800 mm to 8,000 mm - the MS ploughs consist of five to eight ploughshares, each equipped with a special Vulkollan clearing rail. Pre-tensioned blade segments allow aggressive use.
In the option with reduced blade height, each MS series snow plough is 220 mm lower on the left, centre and right. The shape of the clearing blade is designed for wide ejection rates even at low feed rates, with a 45° angle of attack. This makes the MS suitable for clearing in formation. An optional fine finish blade removes any remaining snow and thus reduces the use of de-icing agents.
Each blade is held in position by two reinforced springs, while the outer blade segments have three springs, it provides better stability when overriding the obstacles.

Override security system

The automatic and maintenance-free override security system allows safe and smooth driving over obstacles without damaging the snow plough. Over-riding ground obstacles, such as concrete elevations or floor lamps, is therefore no problem. Shock absorber strips absorb the starting impact and reduce noise emission.



Cutting edges

Slush cutting edge PUR

PUR cutting edge are often used for the airport areas. These cutting edges allow for more efficient snow clearance without causing any damage to either the surfaces or to the floor lamps. The PUR cutting edges represent a very high slide resistance and low noise level.

Rubber cutting edge (only for MS48.2) (R)

Due to the flexible and elastic characteristics of rubber, it glides smoothly over the surface. A rubber cutting edge is especially efficient when clea- ring snow slush.

GuKo cutting edge (only for MS48.2) (GK 5)

A GK cutting edge allows for more efficient snow slush clearing with longer service life and less friction. This cutting edge is made of steel, rubber and corundum and is therefore more aggressive than a rubber cutting edge.





Lifting device and angling system

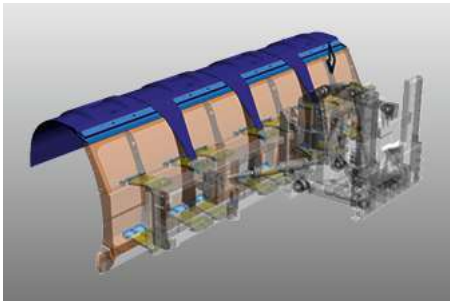
A precise, parallel lifting device for lifting, lowering and swivelling the plough not only creates a large ground clearance during transport, but also allows for tension-free swivelling. A special design minimizes the distance of the gravity point to the front axle providing a better weight distribution. Two hydraulic cylinders capable of sustaining high actuating forces are used for the side changeover.

Working support devices

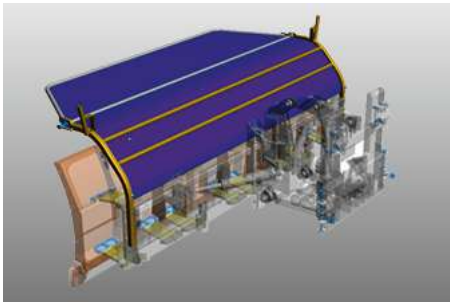
The infinitely height-adjustable castor wheels with optional splash guards ensure precise adjustment of the snow plough and provide appropriate aggressiveness during snow clearing. They support the frame when driving over obstacles and extend the service life of the cutting edge.

Snow deflector

A snow deflector prevents poor visibility due to snow swirling up to the windscreen of the vehicle. There are two variants to choose from.
1. an elastic snow deflector made of polyurethane, suitable for all kind of snow. Due to its special joint covers, it prevents slush from getting between the blades.



2. an adjustable snow deflector made of cloth. This version is particularly suitable for powder snow and high speeds. A combination with the polyurethane or rubber snow deflector is possible.



Fine finish blade

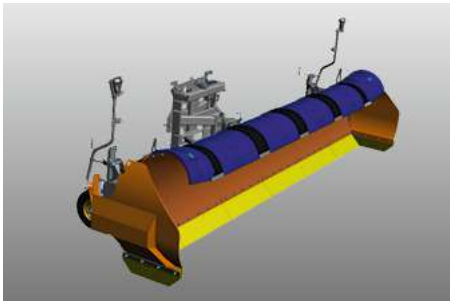
The snow ploughs can be equipped with a very efficient fine finish blade. With its help, the remaining snow is thoroughly removed, increasing safety and reducing the use of de-icing agents.



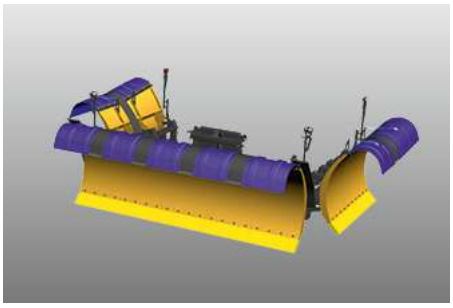
Options

A-version - snow ejection barrier

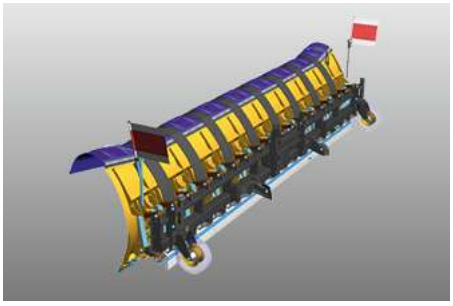
The A-version transforms a standard snow plough on demand in to a U-shaped snow plough which allows collecting snow. The ejection barrier, left and right, can be operated while driving what makes the plough a flexible tool while clearing snow.

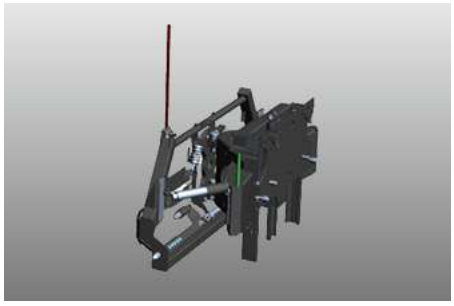


K-version - foldable outer segments
The K-version allows to reduce the passing width of the plough in order to save a parking space.



W-version - quick release system
The W-version, containing an additional quick release system, saves time when attaching the snow plough to a truck.





Gallery







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Technical data

	MS 48.2	MS 48.2N	MS 48.2N-A
Construction			
Number of blades	5	5	5
Dimensions			
Plough height centre, with elastomer	1,453 mm	1,169 mm	1,169 mm
Plough height right and left, with elastomer	1,546 mm	1,293 mm	1,258 mm
Length at cutting edge	4,802 mm	4,802 mm	4,802 mm
Total width	4,804 mm	4,804 mm	–
Operational Dimensions			
Clearing width	4,110 mm at 32°	4,110 mm at 32°	4,110 mm at 32° 4,867 mm U-shaped
Weights			
Approx. weight with PUR cutting edges, wheels	1,315 kg	–	1,428 kg
Approx. weight with PUR cover, cutting edges, wheels	1,535 kg	1,455 kg	–

	MS 56.2	MS 56.2N	MS 56.2N-A
Construction			
Number of blades	6	6	6
Dimensions			
Plough height centre, with elastomer	1,453 mm	1,169 mm	1,169 mm
Plough height right and left, with elastomer	1,546 mm	1,293 mm	1,258 mm
Length at cutting edge	4,603 mm	5,603 mm	5,604 mm
Total width	5,606 mm	5,606 mm	–
Operational Dimensions			
Clearing width	4,752 mm at 32°	4,752 mm at 32°	4,789 mm at 32° 5,668 mm U-shaped
Weights			
Approx. weight with PUR cutting edges, wheels	1,460 kg	1,370 kg	1,617 kg
Approx. weight with PUR cover, cutting edges, wheels	1,720 kg	1,630 kg	–

	MS 64.2	MS 64.2N	MS 64.2N-A
Construction			
Number of blades	7	7	7
Dimensions			
Plough height centre, with elastomer	1,453 mm	1,169 mm	1,169 mm
Plough height right and left, with elastomer	1,546 mm	1,293 mm	1,258 mm
Length at cutting edge	6,404 mm	6,404 mm	6,404 mm
Total width	6,406 mm	6,406 mm	–
Operational Dimensions			
Clearing width	5,431 mm at 32°	5,431 mm at 32°	5,431 mm at 32° 6,469 mm U-shaped
Weights			
Approx. weight with PUR cutting edges, wheels	1,590 kg	1,515 kg	1,686 kg
Approx. weight with PUR cover, cutting edges, wheels	1,895 kg	1,815 kg	–

	MS 72.2	MS 72.2K	MS 72.2N
Construction			
Number of blades	8	8	8

	MS 72.2	MS 72.2K	MS 72.2N
Dimensions			
Plough height centre, with elastomer	1,453 mm	1,434 mm	1,169 mm
Plough height right and left, with elastomer	1,546 mm	1,546 mm	1,293 mm
Length at cutting edge	7,205 mm	7,205 mm	7,205 mm
Total width	7,207 mm	7,207 mm	7,207 mm
Operational Dimensions			
Clearing width	6,110 mm at 32°	6,110 mm at 32°	6,110 mm at 32°
Weights			
Approx. weight with PUR cutting edges, wheels	1,735 kg	1,850 kg	1,620 kg
Approx. weight with PUR cover, cutting edges, wheels	2,080 kg	2,205 kg	1,960 kg

	MS 72.2N-K	MS 72.2N-W	MS 72.2W
Construction			
Number of blades	8	8	8
Dimensions			
Plough height centre, with elastomer	1,169 mm	1,160 mm	1,434 mm
Plough height right and left, with elastomer	1,294 mm	1,294 mm	1,546 mm
Length at cutting edge	7,205 mm	7,205 mm	7,204 mm
Total width	7,207 mm	7,207 mm	7,207 mm
Operational Dimensions			
Clearing width	6,110 mm at 32°	6,110 mm at 32°	6,117 mm at 32°
Weights			
Approx. weight with PUR cutting edges, wheels	1,760 kg	2,067 kg	2,173 kg
Approx. weight with PUR cover, cutting edges, wheels	2,115 kg	–	–

	MS 80.2K	MS 80.2N-K	MS 80.2N-W
Construction			
Number of blades	8	8	8
Dimensions			
Plough height centre, with elastomer	1,434 mm	1,169 mm	1,160 mm
Plough height right and left, with elastomer	1,546 mm	1,294 mm	1,294 mm
Length at cutting edge	8,005 mm	8,005 mm	8,005 mm
Total width	8,007 mm	8,007 mm	8,007 mm
Operational Dimensions			
Clearing width	6,789 mm at 32°	6,789 mm at 32°	6,789 mm at 32°
Weights			
Approx. weight with PUR cutting edges, wheels	1,925 kg	1,805 kg	2,148 kg
Approx. weight with PUR cover, cutting edges, wheels	2,305 kg	2,185 kg	–

	MS 80.2W
Construction	
Number of blades	8
Dimensions	
Plough height centre, with elastomer	1,434 mm
Plough height right and left, with elastomer	1,546 mm
Length at cutting edge	8,005 mm
Total width	8,007 mm
Operational Dimensions	
Clearing width	6,796 mm at 32°

	MS 80.2W
Weights	
Approx. weight with PUR cutting edges, wheels	2,320 kg

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