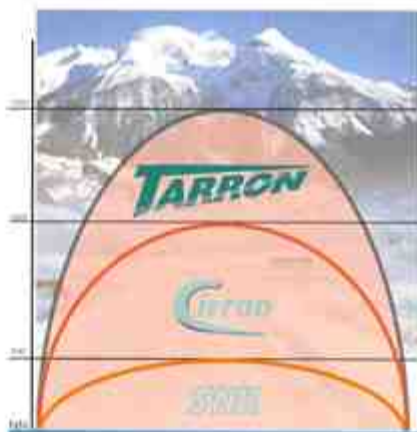


**SCHMIDT**

## Multi-Blade Spring-Loaded Snow Plough



# TARRON

The snow plough for heavy snow clearing  
work at all altitudes



## Multi-Blade Spring-Loaded Snow Plough

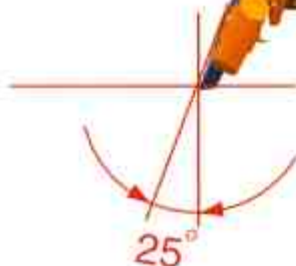
### The concept

The multi-blade snow plough has been specially designed for heavy snow clearing work. Thanks to the shape of its blade and the proven runover safety system, the TARRON snow plough answers all the demands for effective snow removal. Even the most difficult clearing tasks at higher altitudes are successfully accomplished by this snow plough.

A prerequisite for efficient snow removal, even with hard packed or icy snow, is the angle of attack of 25° on the cutting edge. The flow-optimised curvature of the plough blade as well as the ramped outer blade section ensures an outstanding snow casting performance.

A highly robust frame, the sturdy blade sections, the shock absorbing cutting edge and, last but not least, the patented 3-arm lifting system constitute the unrivalled elements of this snow plough.

- Meets the most demanding requirements due to its robust design
- 25° angle of attack of the cutting edge for aggressive snow clearing
- Smooth running
- Outstanding snow casting from the flow-optimised blade and ramped outer section
- Multi-section concept follows road contours
- Designed for low noise operation



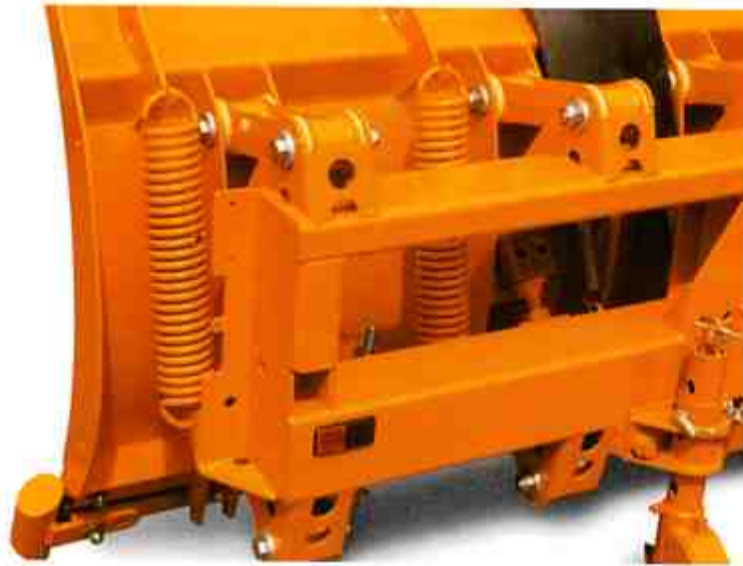
### Blade suspension

Depending on its length, the plough is made up from 3 or 4 separate blade sections. Each section is suspended on 4 robust control arms running in polyurethane bearings to reduce vibration and noise. The heavy-duty control arms resist the high ploughing forces, which are transferred directly to the plough frame.



### Blade return spring

The blade sections are held in the working position by means of heavy-duty tension springs. The outer blade sections are fitted with an additional return spring.



### Plough frame

The plough frame consists of a robust ladder frame construction made of square section steel. The frame is connected to the lifting device by means of two heavy-duty swivels, with grease lubrication.





### Shock-absorbing rail

The shock-absorbing rail fitted between the cutting edge and the plough blade absorbs the high impact energy and raises the blade section when an obstacle is met.

### Adjustable shock-absorption

For particularly heavy snow clearing work the shock-absorbing springs can be adjusted to increase the force of the cutting edge.



### Side deflectors

The side deflectors protect the plough blade when driving beside kerbstones.



### Supporting skids

The supporting skids keep the plough frame down on the road surface when an obstacle is met, and the blade section raises. In normal snow clearing operation the skids are not in contact with the ground surface.

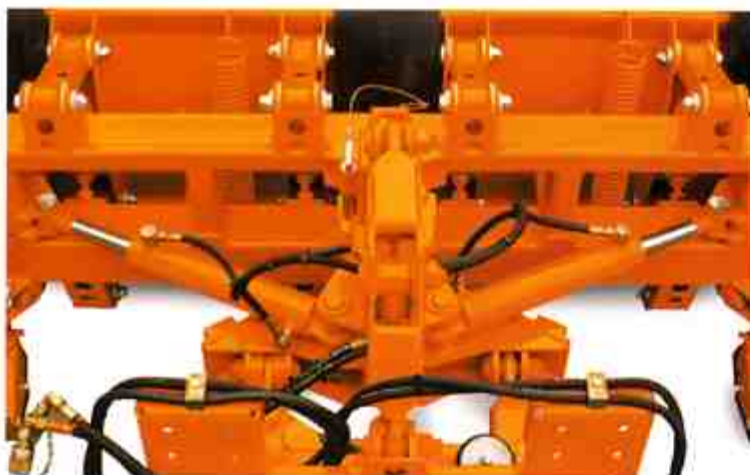


### Buffer stop

The polyurethane buffer stop fitted to each blade section is one of the numerous features for noise reduction. The adjustable buffers set the working position of the blade section and cushion its return after raising for an obstruction.

### Hydraulic angling

Two double acting angling cylinders (identical to the raising and lowering cylinder) provide a high angling force. They maintain the snow plough rigidly at its working angle and incorporate an hydraulically acting collision safety device to protect the snow plough against side impact damage.



### Mounting plate

To allow for high interchangeability of the snow plough with various types of vehicle mounting plates, a height-adjustable plough plate is used, which can be attached to DIN 76060 type A or B vehicle plates as well as to vehicle mounting plates complying with Swiss, Austrian or French standards.

### Three-arm lifting system

The patented snow plough lifting system enables the snow plough to be raised and lowered without distortion. An automatic device brings the snow plough into the working or travelling attitude.



# Accessories

## Snow deflector

Depending on the operating conditions, such as the working speed, condition of snow (mainly wet or powder snow), various types of snow deflectors can be fitted:

### Spray guard



### Fabric deflector



### Polyurethane snow deflector, combined with a fabric deflector



## Castor wheels

The modular frame construction of the standard TARRON snow plough includes provision for the attachment of height-adjustable castor wheels.



## Cutting edges

Various types of cutting edges can be fitted, such as

- ❖ **steel cutting edges**
- ❖ **rubber cutting edges**
- ❖ **steel-rubber-steel cutting edges with corundum inserts**

## Side lamps / Warning flags

The vibration- and shock-resistant special snow plough lamps are attached to a galvanized mounting, together with the warning flags.



## Technical Data

# TARRON

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### TARRON Multi-Blade Spring-Loaded Snow Plough

Type	MS 30.1	MS 32.1	MS 36.1	MS 40.1
Number of blade sections		3	4	4 4
Plough length on cutting edge (mm)	3000	3200	3600	4000
Working width approx. (mm)				
- at 32° angle	2540	2710	3050	3390
- at 36° angle	2430	2590	2910	3240
Plough height (mm)	1060	1060	1140	1140
Plough height on the outer edge (right side or left side) (mm)	1200	1200	1290	1290
Weight with steel cutting edge (kg)	950	1066	1114	1163

**SCHMIDT**

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