

2.7 - 5.0 m



Removal of moderate snowfall.



Simple mounting on tractors, trucks and multi-purpose vehicles.



A wide performance range makes this plough an excellent choice for all types of roads.

MOSOR PK



QUIET PLOUGHING WITH WIDE APPLICATION



DESCRIPTION

MOSOR PK ploughs are highly elastic ploughs with a wide range of application, from open roads to narrow city streets. The system of elastic polyurethane connections of the plough's wings and beam enables very good adjustment to the road surface and good snow removal.

The plough is intended for operation on roads with a large number of obstacles, shafts, potholes, speed bumps and curb endings. Elastic connections between the plough's wings and beam significantly reduce vibrations during work and enable quieter operation. Reduced ploughing noise is accomplished through the use of a special material forming elastic connections that enable the return of the snow plough wing to the original position after an obstacle is crossed.

Elastic connections of the plough's wings and beam, in combination with side bumpers which prevent the impact of side obstacles on wings, and polyurethane or rubber scrapers efficiently absorb vibrations and impacts and make MOSOR PK suitable for use in settlements and cities. The plough's signalization and marking is performed in accordance with legal regulations in force in the country of use.

MOSOR PK ploughs can be mounted on tractors, trucks and UNIMOG vehicles, which makes this plough the universal solution for open roads, as well as for urban and rural areas.

PARTS OF THE SNOW PLOUGH



1 *Plough wings*

They are created using the robotic welding technology. The precise, computer-controlled production process ensures uniform quality of all plough elements. Superior surface protection in combination with the welding technology and the chosen material for production serve as a guarantee of product durability.



2, 3, 11 *Plough beam*

Reinforced double plough beam ensures the plough's resistance to vibrations and impacts. A high quality design enables the plough's durability and robustness.

3 *Plough wing and beam connection*

The flexible polyurethane connections allow for efficient and comfortable ploughing of surfaces with a large number of obstacles.



4 *Scrapers*

Ploughs are equipped with scrapers depending on the surface that is being cleared. RASCO ploughs can be equipped with steel, polyurethane, rubber or combined scrapers. The scrapers can be attached to wings using screws or steel clamps, which enable fast and simple replacement of scrapers that can be done by one person.



5 *Hydraulic drive*

The snow plough can be powered by an installed electro-hydraulic power unit (EHAG) or hydraulics of the vehicle on which it is mounted. EHAG is a simple solution for mounting ploughs on vehicles without hydraulic installations, while RASCO hydraulics are a simple and reliable solution for controlling snow ploughs.



6 *Mounting system*

Enables the attachment of snow ploughs on vehicles in several ways – using different types of mounting plates for trucks, multi-purpose vehicles and construction machines or by front three-point attachment on tractors.



7 *Protection from snow*

This protection is built in on the plough wing and protects the windshield from snow spray, thus enabling safe and unhindered ploughing. It is made from a special material, tolerates frequent temperature changes and is extremely long-lasting.



8, 10 *Traffic signalisation*

Improves the visibility of the snow plough and vehicle, thus ensuring safety during operation and transport. This may include flags, reflective marks, raised front headlights and turn indicators.

9 *Supporting elements*

Slide pads and auxiliary wheels support the plough's weight and prevent the plough from digging into the ground. They extend the lifespan of scrapers and protect the plough and the surface that is being cleared from damage.

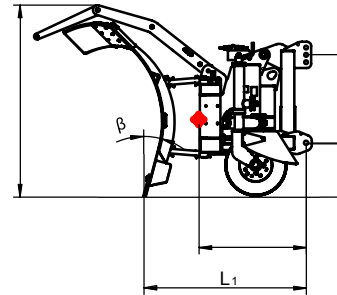
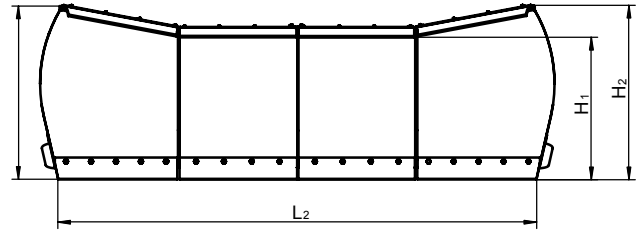
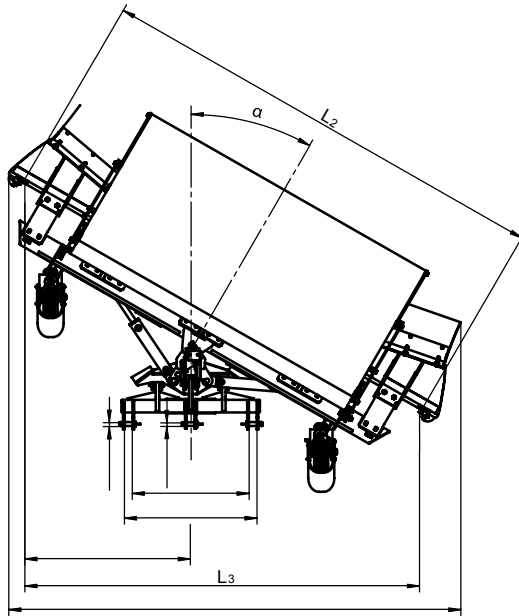
10 *Side bumpers*

Placed on the outer plough wings, side bumpers prevent damage to wings from side impacts with obstacles on the surface that is being cleared. Just like plough scrapers, they are disposable and can easily be replaced.

Storage outside the season

Storage of ploughs outside the season is made easier with the use of storage legs. Storage legs protect rubber and polyurethane scrapers from deformation, prevent damage of the surface on which the plough is placed and enable easier mounting of the plough on the vehicle.

TECHNICAL DATA



	Minimum mass of device (kg)*	L3 - Clearance width (mm) at an angle of		L2 - Width at the scrapers (mm)	Plough height (mm)		Number x width of sections (mm)	β - Attack angle	α - Rotation angle
		30°	36°		H1 - Inner wing	H2 - Outer wing			
MOSOR PK									
2.7	700	2340	2180	2700			3 x 900		
3.0	840	2600	2430	3000			3 x 1000		
3.2	900	2770	2590	3200			4 x 800		
3.2/3	900	2770	2590	3200			2 x 100 + 1 x 1200		
3.4	940	2950	2750	3400	1100	1200	2 x 800 + 2 x 900	15°	30° ÷ 36°
3.6	980	3120	2910	3600			4 x 900		
4.0	1100	3460	3240	4000			4 x 1000		
4.5	1250	3900	3640	4500			5 x 900		
5.0	1320	4330	4050	5000			5 x 1000		

* Mass of fully configured device depends on chosen options

EQUIPMENT OPTIONS

Scrapers Steel | Polyurethane | Combined | Rubber

Mounting system Attach. system with lifting cylinder for front plate | Attach. system for tractor three-point front hydraulic levers

Safety elements Slide pads | Auxiliary wheels | Protection from snow

Signalisation Reflective marks | Turn indicators | Outline lights | Flags

Storage outside the season Storage legs

Power drive Vehicle hydraulics | Electro-hydraulic power unit



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