



More than products. Partnership.

VITER

Powerful snow plough for harsh weather conditions

VITER is a multi-sectional snow plough available in widths from 3.0 to 4.5 m.

Due to its height and robustness, it is especially designed for clearing large amounts of snow on open roads at higher ploughing speeds.



Multi-sectional snow plough for clearing large amounts of snow

VITER is a powerful and heavy snow plough designed for clearing large amounts of snow at higher speeds. Specially designed for operation on open roads, highways and areas with a lot of snowfall, VITER effectively removes snow deeper than 50 cm. Efficient operation of VITER in the harshest conditions is enabled due to a specifically tight structure of the wings, with additional reinforcements and high impact resistance during clearing of snow.

The height of VITER's wings is 1200 mm, while the side wings on both sides are elevated by 140 mm on the edges. Its robust anti-snow protection prevents the wind shield from snow scatter, allowing unobstructed ploughing at higher speeds.

A series of built-in elements that raise the effectiveness of cleaning contributes to safe operation at high speeds and in deep snow. The angle of incidence, axial inclination and a wide selection of scrapers for clearing snow allow complete adjustment to the surface being cleared and to the configuration of the terrain.

VITER can be mounted on trucks, tractors and Unimog vehicles making it a universal solution for open and wide roads, as well as settlements with a lot of snow precipitation.

For open roads and cities

VITER is available with different variations of the side wings: straight, right wing elevated or both wings elevated. Ploughs with elevated wings are intended for throwing snow to large distances, which makes them an excellent choice for clearing snow on wide and open roads, whereas the version with straight wings is intended for clearing snow in urban and rural areas.



WHY CHOOSE THE VITER SNOW PLOUGH?



✓ For the harshest weather conditions

The particularly strong wing structure, the angle of incidence, axial inclination, wing suspension and robust polyurethane protection enable unobstructed operation in the harshest weather conditions with high snowfall.



✓ Efficient snow clearing

Due to its robust and reliable multi-sectional construction combined with rods and spring connections of the plough's wings and beam, VITER removes snow perfectly on wide and open roads as well as in populated areas.

For efficient clearing of large amounts of snow, VITER is available with the angle of incidence of 33°.



✓ Ploughing speed

VITER is specifically designed for high speed operation and efficient snow removal on wide and open roads, such as highways, and removal of large amounts of snow in populated areas.



✓ Lowest cost of ownership

Its unique surface protection system, easiness of use and maintenance, robust design, high quality materials guarantee a safe investment in the VITER plough.

Proven durability, safety, efficiency, simplicity, and availability of service parts and post-sales support guarantee the lowest overall cost of ownership of a spreader currently available on the market.

CHARACTERISTICS OF THE PARTS



2



1 | Plough wings

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

8 | Mounting system

It enables the attachment of snow ploughs on vehicles in several ways – using different types of mounting plates for trucks and working vehicles or by front three-point attachment on tractors.

2 | Angle of incidence of the plough wing

For efficient clearing of large amounts of snow, VITER's angle of incidence is 33°.

9 | Protection from snow

This protection is installed on the plough wing and protects the wind shield from snow scatter, thus enabling safe and unhindered ploughing. Available in two versions: tarpaulin with steel reinforcements and hard protection made of polyurethane.

3 | Plough beam

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

10 | Traffic signalisation

It improves the visibility of the snow plough and the vehicle ensuring safety during operation and transportation, and is made in accordance with the legal regulations of a particular market. This may include flags, reflective marks, raised front headlights and turn indicators.



4 | Plough wing and beam connections

The wing and beam connections consist of steel rods and springs. They enable reliable removal of large amounts of snow, skipping over obstacles and quick restoring of the plough to the starting position.

5 | Scrapers

The choice of scrapers depends on the surface that is being cleared. VITER ploughs can be equipped with steel or composite scrapers.

6 | Swivel element of the scraper

Enables safe skipping over obstacles and quick restoring of the scrapers into the working position.

11 | Supporting elements

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

12 | Side bumpers

They are placed on the outer plough wings and prevent the damage of wings from side impacts of obstacles on the surface that is being cleared. Just like scrapers, they are disposable plough elements and can be easily replaced.

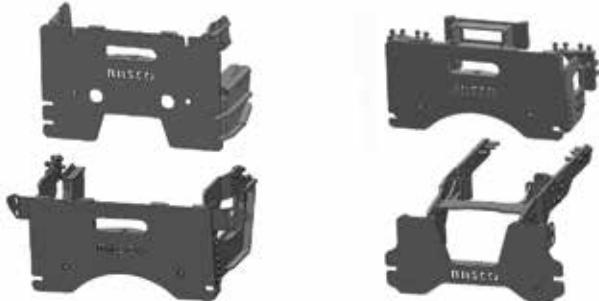
7 | Scraper clamps

The attachment of scrapers to wings can be performed by means of screws or steel clamps, which enables fast and simple replacement of scrapers.

13 | Storage outside the season

Storage of ploughs outside the season is made easier with the use of storage legs and storage trolley of adequate bearing capacity. Storage legs and trolley prevent damage of the surface on which the plough is placed and enable easier mounting of the plough on the vehicle.

Easy mounting on all types of vehicles



Mounting using mounting plates

RASCO offers the possibility of creating and installing mounting plates for various trucks. All mounting plates are created in accordance with the current standards, which guarantees high quality and resistance to damage such as torsion or bending.

Designed for complete efficiency during the operation of attachments and adjustable according to vehicle height, mounting plates enable fast and simple installation of snow ploughs on almost all types of trucks.



Front three-point attachment on tractors

Beside the possibility of mounting plates for trucks, RASCO also offers the possibility of mounting plates for different tractors. All mounting plates are created in accordance with the current standards, which guarantees high quality and resistance to damage such as torsion or bending.

They enable fast and simple installation of snow ploughs on tractors, and uncompromising safety of operation.



Solution for vehicles with and without built-in hydraulic system

Vehicles with built-in hydraulic system

VITER ploughs can be powered using a built-in hydraulic system of the vehicle if it is designed according to the EN ISO 15431 standard.

If the hydraulic system of the vehicle is equipped with Load Sensing, the spreader must be equipped with a compatible hydraulic installation that is available as an option.



Vehicles without built-in hydraulic system

Power via electro-hydraulic power unit

One of the methods of powering the snow plough is the installation of an electro-hydraulic power unit (EHAG) that connects to the vehicle's electrical system.

The EHAG is recommended when there is no need for frequent adjustments of the position of the plough, as is the case with open intercity roads, otherwise the battery of the vehicle may be discharged.

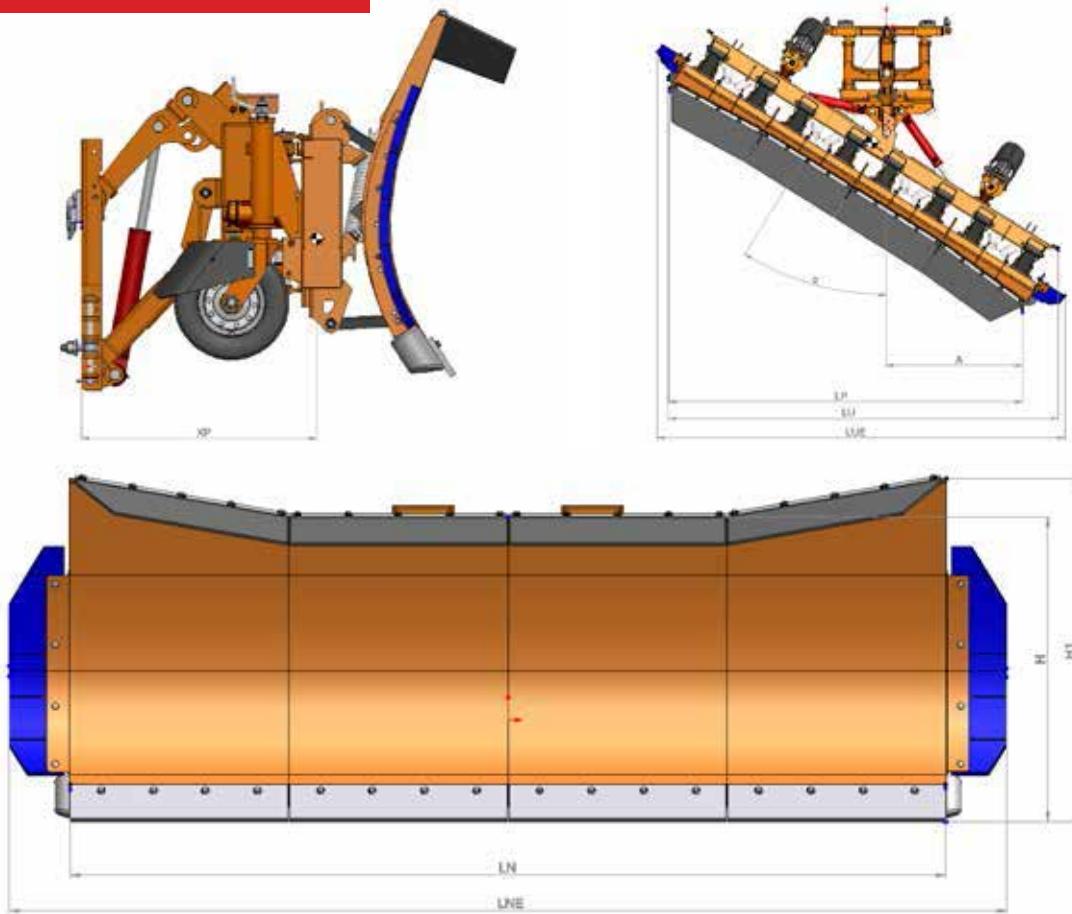
Power via diesel-hydraulic power unit

The snow plough can also be powered via the connection to a diesel-hydraulic power unit installed on the spreader.

Powering via the diesel-hydraulic power unit is recommended when the vehicle is not equipped with an adequate hydraulic system.



TECHNICAL CHARACTERISTICS



Model	H	H1	LN	LP		β Angle of incidence of HARDOX scrapers
	Height of middle wings	Height of elevated wing	Scraper length	Scraper length at rotation of 32°	Scraper length at rotation of 36°	
mm						
3.2	1200	1340	3200	2710	2590	33°
3.4			3400	2880	2750	
3.6			3600	3050	2910	
4.0			4000	3390	3240	

CHOICE OF EQUIPMENT

- Steel scrapers
- Composite scrapers
- Scraper clamps
- Front-panel attachment with level cylinder
- Front tractor hydraulic lever three-point attachment
- Guide shoes
- Auxiliary wheels
- Protection from snow
- Reflective marks
- Turn indicators
- Clearance marker lights
- Flags
- Storage legs
- Storage legs with wheels
- Electro-hydraulic power unit



RASCO d.o.o.
Kolodvorska 120b
HR - 48361 Kalinovac
CROATIA



+385 48 883 112



rasco@rasco.hr



RascoCompany



RascoTV



RASCO d.o.o.