



*snow plough* **KALNIK XL**



*snow plough for  
motorways*





## Purpose

KALNIK XL snow ploughs are used for snow clearing on motorways and major roads .

## Technical description

KALNIK XL snow plough is controlled by an electronic control panel from the vehicle's cabin. Snow clearing is possible both to the left and to the right side.

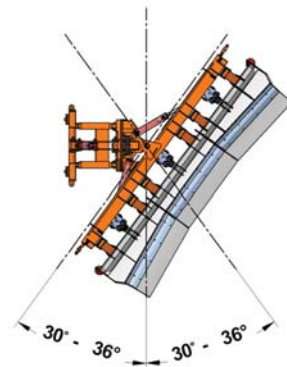
Snow plough and vehicle are protected by multiple safety elements while crossing obstacles. When used properly, the safety elements prevent damage to the snow plough,

the vehicle and most importantly protect the safety of the operator. KALNIK XL is designed as a multi-section snow plough with five independent sections for better adjustment to the surface being cleaned. Side section has a swivel function to reduce free width.

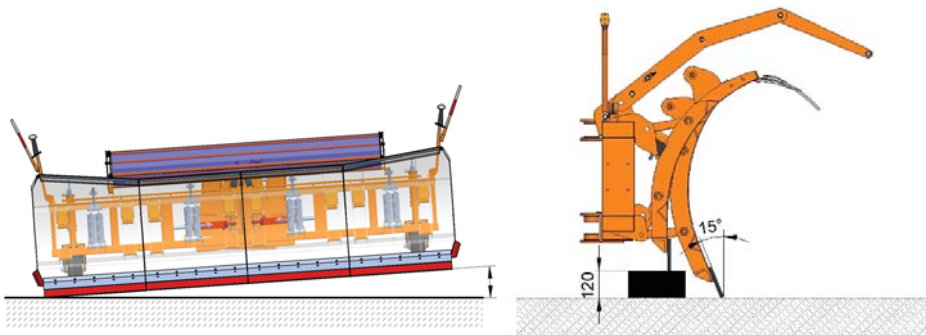
KALNIK XL snow ploughs are delivered with yoke which allows a clearing angle from 30° to 36°.

Obstacle activates lever connection between the plough section and the beam. Section is lifted during obstacle crossing and returns to work position when obstacle is passed.

Snow plough has axial tilt capability, enabling better adjustment to the surface being cleaned.



Additional hydraulic system for snow clearing with folded side section is available on request.



### Outline lights

Standard. Consists of outline LED lights and marking flags. Additional reflective markings and turn signals are available on request.



**Snow deflector (tarpaulin)**  
Option. Provides additional protection from snow spraying to the vehicle's windshield during snow clearing operation.

### Plough section

KALNIK XL is designed as a multi-section snow plough with independent sections for better adjustment to the surface being cleaned. Left side section has swivel function to reduce free width. Section curve ensures excellent snow casting, even at low clearing speeds.

### Support element (castor wheel)

Used to support the weight of the snow plough and to prevent cutting into soft surfaces during snow clearing.

### Hydraulic system

KALNIK XL also has, beside the usual lifting and swiveling hydraulic cylinders, a hydraulic cylinder for left side swivel section, a hydraulic cylinder for snow deflector on the left side section and a lifting cylinder for the left side section in transport position.

Additional switch in the vehicle's cabin enables the control of all snow plough functions using the vehicle's hydraulic system in accordance with EN 15431 standard.

Snow plough is equipped with an additional hydraulic cylinder to prevent its leaning in transport position.

### Attachment plate

Made and adapted according to valid standards for front mounting plates on vehicles (EN 15431 tip F1/C), DIN 76060 type "A" i.e. "B", ÖNorm S2044).

Attachment plate has height adjustable claws for proper attachment system levers angle adjustment.

### Snow deflector (rubber apron)

Standard. Protects the vehicle's windshield from snow spraying during snow clearing operation.



### Plough beam

Double beam supports primary safety elements and ensures snow plough rigidity for good and safe snow clearing.



### Scraping strips

Various types available (wear resistant steel, polyurethane etc.)

type	weight * [kg]	clearance width at 30°	attack angle	No. x section width [mm]	free width [mm]
KALNIK XL 5.0	1400 ÷ 1550	4330	15°	5 x 1000	3900

\* snow plough weight depends on desired options

## Additional equipment

### Swiveling scraper strips

Additional safety element for safer obstacle crossing and for lower vibrations and noise levels during snow clearing. Especially recommended for snow clearing on city streets.



### Castor wheels filled with special substance

Recommended for high speed clearing and during high load on the wheels (motorways, mountains).



### Storage legs

Used for snow plough storage off-season. Recommended in combination with polyurethane scraper strips to prevent damage to scrapers. Storage legs with castor wheels also available.



## Mounting

KALNIK XL snow ploughs can be mounted on trucks with necessary engine power (min. 250 kW / 340 HP). KALNIK XL can be mounted on vehicles equipped with a proper hydraulic system and a front mounting plate according to EN 15432 F1/(C) standard. It is recommended that the snow plough is mounted on the vehicle by the manufacturer or by an authorized workshop according to manufacturer's instructions.

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Dealer

