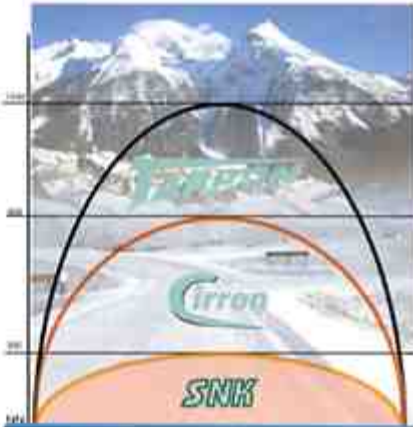


SCHMIDT

Lightweight Snow Plough



SNIK

The snow plough for light snow clearing work in lower altitudes.



Lightweight Snow Plough

Concept

The one-piece lightweight SNK snow plough is mainly used for snow clearing in lower altitudes. It is particularly suitable for wet and slushy snow. The 'scalloped' profile of the plough blade

has been carefully designed to maximise the acceleration of the cleared snow and slush from the road, to one side or another, by inducing a spiral motion along the width of the blade providing excellent snow ejection. This pro-

file also prevents snow slush from coming over the top edge of the plough. The plough is self-contained, manufactured from plastic and constructed on a simple frame. This type of design is known to provide good stability to such a lightweight snow plough.



- Integral snow deflector
- Low noise emission
- Plastic construction:
 - Corrosion free
 - Light weight
 - Minimal front axle load
 - Minimum maintenance

Anti-collision Protection

Up to plough type SNK 24, the telescopic arm of the parallelogram is fitted with a pressure spring, enabling the plough to tip forward in the event of a collision with an obstacle. From type SNK 27, the wear edges are fitted to the plough via torsion springs. So that in the event of a collision, the wear edge can hinge and then return to its optimal clearing position. The spring tension is adjustable.

With these safety features, any obstacles can be overcome without damaging the snow plough or road surface.

Mounting

SNK ploughs can be fitted to a wide range of vehicles, from small utility vehicles up to 26 tonne municipal vehicles. The ploughs can be mounted and de-mounted using the integral hydraulic system. A vehicle-mounted hydraulic



system can be used or alternatively, the SNK range of ploughs can be delivered with their own electrohydraulic power pack. The bigger SNK range – 27 upwards is fitted to a DIN-plate (size 5) as standard, but other options are available depending on customers' requirements.

Height Adjustment

On the SNK 27 and above, jockey wheels are fitted as standard. Height adjustment is possible through a simple spacer arrangement or alternatively, handle adjustable jockey wheels are available as an option.

Hydraulic Operations

The stainless steel hydraulic cylinders allow the plough to be raised and angled as desired.

Operation

The plough can be mounted, raised and angled via a hydraulic system. It is possible to choose between either the hydraulic system of the vehicle or the snow plough's own electrohydraulic power pack. The snow plough's power pack is mounted on the plough in a weather resistant plastic box. The only additional item that is required is an electrical supply at the front of the vehicle.

Operating the equipment is carried out via a control box that is situated in the driver's cab.



Technical data

SNK

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Lightweight snow plough SNK – small series

Type	SNK 18	SNK 21	SNK 24
Plough length on cutting edge (mm)	1800	2120	2420
Number of cutting edge segments	6	7	8
Working width, approx. (mm) at 30° angle	1550	1800	2100
Plough height (mm)	800	800	800
Weight with rubber cutting edges with vehicle operated hydraulics (kg)	220	244	266
electrohydraulic power pack (kg)	244	268	290

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Lightweight snow plough SNK – heavy series

Type	SNK 27	SNK 30	SNK 34	SNK 37
Plough length on cutting edge (mm)	2700	3000	3400	3700
Number of cutting edge segments	4	4	5	5
Working width, approx. (mm) at 50° angle	2310	2550	2940	3180
Plough height (mm)	1180	1180	1180	1180
Weight with rubber cutting edges with vehicle operated hydraulics (kg)	395	430	495	550
electrohydraulic power pack (kg)	420	455	520	575

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