

Snow ploughs

Product range



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Single-blade light snow plough – EN

A light snow plough for local authorities carrying out winter road maintenance on small areas and pavements. The EN range is a perfect match for the Aebi single-axle implement carrier, and can also be attached to other municipal vehicles and tractors of up to 30 hp.

Model technology

This model's rounded blade is made of top-quality steel. Steel or polymer cutting edges can be attached to it, depending on the surface and the amount of snow to be cleared. Quick and easy mounting on the carrier thanks to the height-adjustable connection pieces, and extremely straightforward to operate.

The whole blade is swivel-mounted, and tips forward when travelling over any obstacle. It is then brought back into position by a hollow rubber spring. This avoids downtimes and the related costs. For added flexibility, the operator can

swivel the plough through 35° on each side by means of a mechanical swivel device with a telescoping gooseneck. Hydraulic lateral adjustment is available as an option. This snow plough is also equipped with $\pm 10^\circ$ transverse tilt compensation and either height-adjustable skids or casters.

Extra potential

Transform the Aebi Combicut into a winter road maintenance machine. With the EN 17 snow plough mounted up front, it's easy to clear narrow thoroughfares and pedestrian areas of snow.

	EN 13	EN 15	EN 17
Technical data			
Snow plough height (mm)	600	600	600
Length at cutting edge (mm)	1.300	1.500	1.700
Clearing width (35°) (mm)	1.070	1.235	1.400
Approx. weight with steel cutting edges, mechanical lateral adjustment and skids (kg)	245	252	260

Benefit from:

- a cost-effective alternative to clearing snow by hand.
- optimum clearance of small areas and pavements with a manoeuvrable lightweight snow plough.
- quick and easy mounting thanks to height-adjustable connection pieces.



Single-blade spring-loaded snow plough – FLL

A light, single-blade spring-loaded snow plough for slight or moderate accumulations of snow on narrow or confined areas. FLL snow ploughs can be mounted to narrow-track vehicles, municipal compact vehicles or tractors, as well as SUVs or pick-ups.

Model technology

The single-blade FLL has a gently curved blade that ejects snow only a short distance, making it practical for clearing snow in urban areas. It is made of steel in a sturdy design, with spring-loaded segments on the underside, to which the cutting edges are mounted. The result is a clean sweep. The spring-loaded override system keeps the blade in place for clearing.

This plough is mounted on vehicles with their own lift by means of the appropriate adapters, or to vehicles without by means of its own three-point hitch actuated by a double-action hydraulic cylinder. Mechanical lateral adjustment comes as standard. A hydraulic version for fully adjustable side-to-side positioning is available as an option.

	FLL 14	FLL 16	FLL 18	FLL 20	FLL 24
Technical data					
Snow plough height (mm)	720	720	720	720	720
Length at cutting edge (mm)	1.400	1.600	1.800	2.000	2.400
Clearing width (35°) (mm)	1.210	1.390	1.560	1.730	2.080
Approx. weight with steel cutting edges, mechanical lateral adjustment and skids (kg)	195	210	220	235	260
No. of spring-loaded segments	3	4	4	4	6

Benefit from:

- reliable operation with a simple, sturdy yet effective override system.
- a durable, rugged plough for use on slight and moderate accumulations of snow.
- an ideal choice for clearing thoroughfares and car parks, and in pedestrian areas.





Single-blade moving-edge snow plough – CP

Ideal for winter road maintenance in urban areas and beyond, e.g. on A-roads and motorways. The CP moving-edge snow plough can be mounted on implement carriers, tractors and trucks.

Model technology

The special blade form and its wide positioning angle ensure a clean sweep with short-distance depositing when clearing slowly, as well as wide snow distribution at faster clearance speeds, which helps avoid walls of snow building up. Its solid, torsion-resistant box structure gives this plough enormous rigidity at a low weight.

Choose between a hard or soft approach to clearing: where you want to use a minimum of salt, the CP can be set up for forceful, thorough clearance, due to the powerful spring-back cutting edge, which presses the blade hard to the ground. Where aggressive clearance is unnecessary, the CP can be fitted with a rubber edge and set to a floating position.

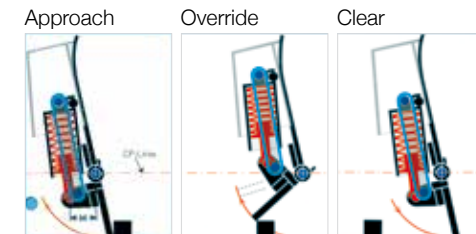
The connection piece is height-adjustable*, so that the plough can be positioned correctly on different vehicle mounting

plates. It can also be attached to mounting plates conforming to DIN types A or B, as well as to plates conforming to the national standards of Switzerland, Austria or France. The lifting system uses a double-action hydraulic cylinder for lifting and lowering the snow plough reliably. This cylinder can angle the CP snow plough at any position. A hydraulic blade deloading system minimises wear on the cutting edges.

The patented CP (constant position) override system

The cutting edges are mounted on moving segments which are kept under pressure by sets of CP disc springs. The segments trip backward when they meet an obstacle, and are then sprung back into place. The plough blade remains at a constant height throughout. This allows clearance to be continued interrupted.

	CP 2	CP 3
Technical data		
Snow plough height (mm)	1.010	1.010
Length at cutting edge (mm)	2.700	3.000
Clearing width (32°) (mm)	2.290	2.540
Clearing width (36°) (mm)	2.180	2.430
Weight with steel cutting edges (kg)	685	720
No. of spring-loaded segments	3	3



Benefit from:

- a fully automatic, sturdy override system for reliable clearing operations without interruptions.
- torsion-resistant box structure for enormous rigidity at a low weight.
- Cutting edge can be set at a 13° angle for powerful clearing performance.



* Available from the 2018/2019 season

Single, polymer-blade snow plough – SNK

A professional snow plough equally effective in slush and wet snow. The SNK comes in various sizes for mounting on carriers ranging from narrow-track vehicles, combis and pick-ups through to unimogs and trucks.

Model technology

The blade has a box design with connecting slots, making it both robust and flexible. The compact, self-supporting blade is cushioned against vibration in a diagonally braced steel frame. It can be mounted either on vehicles with their own lift, or on vehicles with an SNK mounting system with the plough's own hitch or DIN mounting plate. All functions including lifting, lowering and swivelling are hydraulically actuated. The on-ve-

hicle hydraulics or, optionally, a compact electrohydraulic system on the mounting plate can be used. This model is conveniently controlled using an EP or ES control panel in the driver's cab. Sizes up to SNK 24 use a telescopic arm and retaining spring to help prevent damage when overriding obstacles. Sizes SNK 27 and above have spring-loaded segments with torsion springs.



Electrohydraulic system



Active position



Passive position

	SNK 18.2	SNK 21.2	SNK 24.2	SNK 27.2	SNK 30.2	SNK 34.2	SNK 37.2
Technical data							
Snow plough height (mm)	800	800	800	1.180	1.180	1.180	1.180
Length at cutting edge (mm)	1.800	2.120	2.420	2.700	3.000	3.400	3.700
Clearing width (30°) (mm)	1.550	1.800	2.100	2.310	2.550	2.940	3.180
Approx weight with rubber cutting edges and on-vehicle hydraulics (kg)	150	175	195	445	480	545	600
No. of spring-loaded segments	6	7	8	4	4	5	5

SNK with TwinEdge (available for SNK 27.2-37.2)

New

Combination of rubber or GK7 cutting edge with steel cutting edge. The steel cutting edge can be hydraulically lowered, making it easier to clear hard packed snow. The steel cutting edge is cushioned against impacts and vibration by a polyurethane stop and polyurethane bushings.

Benefit from:

- optimum attachment options. With various attachment systems and a lightweight design, this model can be attached to a range of carriers, including relatively light vehicles.
- non-corrosive, low-maintenance polymer blade with integral deflector.
- the new TwinEdge for even wider application options.



Single-blade snow plough – MPC-P / MPC-S

MPC snow ploughs have a flatter blade form and robust design. They are ideal for use in urban areas, where snow is to be deposited along the roadside. There are various versions and sizes for attachment to narrow-track carrier vehicles and small tractors.

Model technology

Two versions are available: The MPC-S with one steel blade, and the lighter MPC-P with an upper PE blade section. In both versions, the cutting edge is set at 45° for efficient and powerful clearance.

These snow ploughs can be mounted to narrow-track carrier vehicles with VSS-B or DIN size 3 attachment plates, as well as to tractors with cat. 1/2 front lifts. They can be fully and easily adjusted through 31° on each side. A parallelogram lift keeps the plough blade in work or transport position as required. All functions are hydraulically actuated. Ploughs are conveniently controlled via the control panel in the driver's cab.

An automatic two-segment override system helps protect against obstacles: a hollow rubber spring and a steel cable return the cutting edge segment to clearing position once the obstacle is passed.

	MPC-P 24	MPC-P 26	MPC-P 28	MPC-S 26	MPC-S 28	MPC-S 30
Technical data						
Snow plough height (mm)	1.093	1.093	1.093	1.340	1.340	1.380
Length at cutting edge (mm)	2.400	2.600	2.800	2.600	2.800	3.000
Clearing width (31° - MPC-P) (35° - MPC-S) (mm)	2.060	2.235	2.405	2.135	2.295	2.460
Approx. weight with steel cutting edges (kg)	470	485	500	535	562	597

Benefit from:

- powerful clearing performance thanks to 45° cutting edge angle.
- a cost-effective snow plough that uses high-quality components.
- a sturdy, light snow plough suitable for small tractors or small implement carriers.
- safe navigation of obstacles without damage to the snow plough, thanks to the automatic override system.





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Multi-blade snow plough – Tarron Compact

A compact, multi-blade snow plough for large accumulations of snow in urban areas on thoroughfares, car parks, factory premises and private property. Particularly suitable for attachment to Aebi TTs and VT/TPs, as well as to narrow-track vehicles and small tractors.

Model technology

The spring-loaded single blades help ensure powerful snow clearance: even hard-packed or iced-up snow is easily managed. The single blade suspension means that the blade segments travel flexibly over rough road surfaces – in conjunction with the optimum blade/cutting edge geometry, this results in very thorough clearing performance and excellent results. In addition, the blades are raised in a flow-optimised design along the outer sides for much better snow ejection. An optional PU blade extension offers maximum collision protection, thereby preventing repair costs. The attachment system comprises a weight-optimised three-point lift, an attachment plate with mounting holes as well as a hydraulic lifting and lowering device. During lateral adjustment, two swivel cylinders with pressure relief ensure ideal power transmission, so that the plough can be

moved smoothly to the selected clearing position without backlash.

Optional snow deflector

The optional snow deflector made of elastic polyurethane with patented joint cover prevents slush getting between the blades.

	MS C 24	MS C 27	MS C 30
Technical data			
Snow plough height, centre (mm)	850	850	850
Snow plough height, right and left (mm)	950	950	950
Length at cutting edge (mm)	2.400	2.700	3.000
Clearing width (36°) (mm)	1.935	2.180	2.430
Approx. weight with steel cutting edges (kg)	560	590	630



Benefit from:

- powerful clearing performance giving thorough clearing while using relatively little salt.
- high, wide snow ejection as the blades are raised on both sides.
- exceptionally quiet operation due to the plentiful attenuators and an automatic override using plough blades controlled by steering arms.
- hydraulic lateral adjustment with either 32° or 36° positioning angle.

Multi-blade snow plough – Tarron

The Tarron range multi-blade snow ploughs are designed for high-performance clearance of even considerable accumulations of snow. They can be mounted flexibly on trucks, unimogs and tractors.

Model technology

Particularly high and wide snow ejection is achieved by the flow-optimised, rounded blade shape at a 25° angle and the blade being raised on the right. The outside blades are tensioned with an extra spring for increased pressure.

Each blade segment is equipped with four rigid links for optimal guiding. The torsion-resistant links are mounted in bearings with polyurethane bushings. This helps reduce noise, as do the polymer blade stops on each blade segment. In conjunction with the shock absorber mount, the blade sections can deflect around obstacles to prevent damage. After each obstacle, a powerful blade retaining spring returns the sections back to clearing position. The side deflectors help keep the plough from scraping against kerbs and edges when clearing in urban areas.

The three-point lift with automatic transverse tilt compensation enables the plough to be raised and lowered accurately and straight. A swing device moves the plough automatically between working and transport positions. Lateral adjustment is actuated by two powerful double-action swivel cylinders that position the Tarron in the selected clearing position without backlash.

The connection piece is height-adjustable, so that Tarron series ploughs can be positioned correctly on different vehicle mounting plates. The snow deflector is made of elastic polyurethane, with patented joint covers to prevent slush getting between the blades.

Remaining snow removed by an additional fine-finish blade

The MS 32 / 34 / 36 / 40 snow ploughs can be fitted with an optional and highly efficient fine-finish blade, which reliably clears any remaining snow for added safety on A-roads and motorways and reduced use of thawing agents. The fine-finished blade is actuated hydraulically by the vehicle. The cutting blades are mounted using a convenient clamping device and the cutter edges are made of rubber.

	MS 27.1	MS 30.1	MS 32.1	MS 34.1	MS 36.1	MS 40.1
Technical data						
Snow plough height, left (mm)	1.060	1.060	1.060	1.060	1.140	1.140
Snow plough height, right (mm)	1.200	1.200	1.200	1.200	1.290	1.290
Length at cutting edge (mm)	2.700	3.000	3.200	3.400	3.600	4.000
Clearing width (32°) (mm)	2.290	2.540	2.710	2.880	3.050	3.390
Clearing width (36°) (mm)	2.180	2.430	2.590	2.750	2.910	3.240
Approx. weight with steel cutting edges (kg)	870	900	1.015	1.060	1.110	1.155
Number of blades	3	3	4	4	4	4

Benefit from:

- precise steering link control and spring-loaded blade for thorough and powerful clearing.
- a powerful 25° snow plough blade with an excellent damping override system using a shock absorber mount with overexpansion stop and optional stabilising springs.
- efficient and reliable clearance of any remaining snow by means of a hydraulic fine-finish blade.
- form-fitting easy-maintenance, elastic polyurethane links for better blade spring-back.
- safe navigation of obstacles without damage to the snow plough, thanks to the automatic override system.



Multi-blade snow plough – Cirron

The Cirron range three- to five-blade snow ploughs are designed for high-performance clearance of even considerable accumulations of snow. Cirron snow ploughs can be attached to unimogs, trucks and tractors.

Model technology

The flattened blade shape together with a cutting edge angle of 7° gives short-distance snow ejection, which is practical when working in urban areas. This model has blade reinforcements and a box design, for optimum power take-up and transfer in the most highly stressed areas. The open-configuration support frame is torsion-resistant and has excellent flexural strength.

With form-fitting upper and lower polyurethane links, the blades travel closely over the surface, automatically avoiding obstacles. The elastic spring links and generous use of polymer components make this model exceptionally quiet to operate.

The two swivel cylinders deliver plenty of force for lateral adjustment (to 32° or 36° as required) even during operation.

The snow plough lifting system lifts and lowers the plough accurately and straight. The connection piece is height-adjustable, so that Cirron series ploughs can be positioned correctly on different vehicle mounting plates.

	SL 24	SL 27	SL 30	SL 32	SL 34	SL 36	SL 40
Technical data							
Snow plough height (mm)	930	930	930	930	930	930	930
Length at cutting edge (mm)	2.400	2.700	3.000	3.200	3.400	3.600	4.000
Clearing width (32°) (mm)	2.035	2.290	2.540	2.710	2.880	3.050	3.390
Clearing width (36°) (mm)	1.940	2.180	2.430	2.590	2.750	2.910	3.240
Approx. weight with steel cutting edges (kg)	660	700	755	775	805	860	965
Number of blades	3	3	4	4	4	4	5

Benefit from:

- short-distance snow ejection, particularly appropriate for use in urban areas.
- a design optimised for force flow, delivering great stability at reasonable weight.
- form-fitting easy-maintenance, elastic polyurethane links for better blade spring-back.
- safe navigation of obstacles without damage to the snow plough, thanks to the automatic override system.



Snow deflector with blade cover for dry snow

This elastic polymer shield is highly resistant, even to obstacles, while the patented joint cover prevents slush getting between the blades. In addition, the deflector can be raised at the outside of the blades. This also improves snow ejection.

Multi-blade snow plough – PV(F)

A reliable swivel-link snow plough for effective winter road maintenance operations on country roads, A-roads and motorways.

Model technology

This low-maintenance, robust PV plough can be used on any type of snow and any road surface for optimum removal or well-defined scraping. The blades are all the same length, making storage of cutting edges much simpler. The tried-and-tested joint covers are shock absorbent and easy to maintain, while also helping to reduce noise. They are resistant to very low temperatures, and help shield both driver and vehicle from impacts and jarring when overriding obstacles. The single blade suspension effectively presses each blade onto the surface,

making this PV plough suitable for any type of road. The snow deflector helps stop snow from being cast up onto the vehicle windscreen at speeds of up to 40 km/h.

These PV snow ploughs are available in 3- or 4-blade versions, in PV with 9° cutting edges or in PVF with 21° cutting edges.



Profitieren Sie von:

- a multi-blade snow plough with single blade suspension to deal with different road surfaces.
- blades that are optimised in shape and for force flow, for optimum snow ejection.
- an automatic, low-maintenance override system using link-guided blades.
- powerful clearing performance.

	PV 23-3 N	PV(F) 26-3	PV(F) 27-4	PV(F) 28-3	PV(F) 29-4	PV(F) 30-3	PV(F) 30-4	PV(F) 30-4 H	PV(F) 34-4
Technical data									
Snow plough height, left (mm)	998	1.140 ¹	1.140	1.140	1.140	1.140	1.140	1.348	1.140
Snow plough height, right (mm)	995	1.240	1.240	1.240	1.240	1.240	1.240	1.460	1.240
Length at cutting edge (mm)	2.700	3.000	3.200	3.300	3.400	3.600	3.600	3.600	4.000
Clearing width (32°) (mm)	2.295	2.605	2.725	2.805	2.895	3.065	3.065	3.065	3.400
Clearing width (36°) (mm)	2.190	2.430	2.600	2.675	2.760	2.920	2.920	2.920	3.245
Approx. weight with steel cutting edges (kg)	755	860	935	910	940	930	980	1.050	1.070
Number of blades	3	3	4	3	4	3	4	4	4

¹ All ploughs except for version H



Light wedge snow plough – VPL

A professional, lightweight variable snow plough for clearing roads, pavements and bicycle lanes as well as large areas. VPL snow ploughs are suitable for nearly all utility vehicles and front loaders.

Model technology

The VPL consists of a left and a right plough blade, which are connected at the centre to a solid A-frame by pivot pins. This A-frame makes a solid base for difficult and challenging clearance operations. The highly angled working position of the blades ensures optimum snow ejection. A large range of optional cutting edges for operations in any conditions.

The VPL range is fitted with a mounting plate as standard. Thanks to the optional lifting system with country-specific mounting plates, this model can be used with vehicles with a lift system or attachment plates, and can be swapped out in minutes.

The VPL can easily deal with surface obstacles

even in difficult conditions, thanks to its automatic override system using shock absorber mounts which connect to the cutting edges. An integral pressure relief valve on hydraulic cylinders ensures safe operation (standard on VPL 24, 27, 30 / optional on VPL 15, 18, 21). Two hydraulic cylinders operate each blade,

swivelling them rapidly back on mechanical impact. In the standard version, the VPL is suitable for vehicle hydraulic systems with two control modules. The pressure relief valves and accumulators of the hydraulic system protect and cushion the blades.

	VPL 15	VPL 18	VPL 21	VPL 24	VPL 27	VPL 30
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Technical data

Snow plough height, centre (mm)	690	690	690	690	690	690
Snow plough height, right and left (mm)	790	790	790	790	790	790
Length at cutting edge (mm)	1520	1780	2040	2300	2560	2820
Clearing width (31°) (mm)	1.360	1.610	1.870	2.130	2.380	2.640
Clearing width, V-blade (mm)	1.390	1.640	1.900	2.160	2.420	2.670
Clearing width, wedge blade (mm)	1.330	1.580	1.840	2.100	2.350	2.610
Approx. weight with steel cutting edges (kg)	178	206	285	315	340	365

“Super-Swing“ makes a clean sweep of clearing

The VPL can be fitted with ‘Super-Swing’ for swivelling the plough blades diagonally to the right, left or both, and for forming the wedge- or V-configurations.



Benefit from:

- versatile application, as a wedge-shape, V-shape or one-sided snow plough.
- convenient operation, and the plough can be mounted and dismantled within just a few minutes.

Wedge snow plough – KL-V

The KL-V variable wedge snow ploughs are suitable for snow clearance where access is difficult or space is limited. They are designed for attachment to unimogs, trucks, tractors or wheel loaders.

Die Technik

The KL-V variable snow ploughs are impressively versatile. The blades can be set for clearing to a wedge, V or one-sided configuration, covering all the key applications when clearing snow from urban areas, car parks and roads. The flexible plough shape means that snow can be efficiently collected or larger areas effectively targeted. This adaptability is due to the plough's two fully adjustable, simultaneously swivelling blade sections (synchronous control).

Each blade has a separate override system. The shock absorber mounts between the cutting edge and blade, as well as the swing device with attenuator, all help to reduce noise, making the KL-V snow ploughs remarkably quiet to operate.

A PU wear plug closes the gap between the cutting edges on each blade.

For optimum positioning of this model on different vehicle mounting plates, the connection piece is height-adjustable and can be attached to size 3/5 vehicle mounting plates. The user-friendly three-point lift system ensures the plough is lifted accurately and straight. The upper link can be adjusted to deliver optimum travel over the road surface. A hydraulic transverse tilt compensation for horizontal alignment can be fitted as an option. This is especially useful for clearing thoroughfares where the vehicle is at an angle.

	KL-V 28	KL-V 32	KL-V 36
Technical data			
Length, cutting edge (mm)	2.900	3.300	3.700
Clearing width 32° (mm)	2.470	2.810	3.150
Clearing width, one-sided blade 45° (mm)	2.070	2.350	2.630
Clearing width, wedge-shaped blade 45° (mm)	2.060	2.340	2.620
Clearing width, V-shaped blade 45° (mm)	2.070	2.360	2.640
Blade height, centre (mm)	870	870	870
Blade height, right/left (mm)	1.110	1.110	1.110
Centroidal distance (transport position) to coupler plane (mm)	510	480	460
Weight, in working condition with cutting edge (kg)	630	660	685

Benefit from:

- an extremely sturdy variable snow plough (thanks to its box structure).
- enormously versatile use.
- convenient operation with synchronous control, as well as hydraulic transverse tilt compensation.
- form-fitting, easy-maintenance, elastic polyurethane links for better blade spring-back.
- safe navigation of obstacles without damage to the snow plough, thanks to the automatic override system.



U-shaped snow plough – U-LS

A high-performance variable snow plough for snow clearance over large areas in particular. The U-LS range is suitable for attachment to practically all tractors and front loaders.

Model technology

This concept arose from the need to clear and, above all, to collect snow in constricted areas. This plough's adjustable geometry offers versatility for snow clearance. The plough can be swivelled through 30° (U-LS 3700 – 4300) or 35° (U-LS 4000 – 5500) in both directions. The side wings can be swivelled to the front to form a 90° angle to the mid-section, creating a U shape with high collection capacity. This also reduces width for transport.

Central frame with integrated pendulum frame permits lateral swinging by $\pm 2.5^\circ$. A parallelogram can optionally be used for mounting on the vehicle. The mid-section and the side wings are available in various widths, so the plough can be configured to suit your needs.

All plough blades are subdivided into individual suspended sections that tip back when hitting an obstacle. Each section is

fitted with its own rubber suspension. On ordering, the plough's hydraulic system will be adapted to suit the carrier vehicle. Shock valves protect the hydraulic cylinders from overload. All functions can be operated conveniently from the driver's cab. The U-LS snow ploughs have proven their worth for years in Nordic conditions.

Benefit from:

- individual configuration: can be used as U-shape or with straight blades replaceable, standardised wearing parts

	U-LS 3700	U-LS 4000	U-LS 4300	U-LS 4300	U-LS 4600	U-LS 4900	U-LS 5500
Technical data							
Snow plough height, centre (mm)	915	915	915	915	915	915	915
Length at cutting edge (mm)	3.660	3.965	4.270	4.270	4.575	4.880	5.490
Clearing width, one-sided (mm)	3.170/ 30°	3.250/ 35°	3.700/ 30°	3.500/ 35°	3.750/ 35°	4.000/ 35°	4.500/ 35°
Clearing width, U-shape (mm)	1.850	2.150	1.850	2.460	2.150	2.460	3.070
Approx. weight with steel cutting edges (kg)	1.285	1.300	1.340	1.380	1.390	1.435	1.525



NEW

Multi-blade high-performance snow plough – Tarron HP

A high-performance snow plough for use on motorways, delivering extremely wide clearing paths in moderate accumulations of snow. The Tarron HP is suitable for attachment to trucks of more than 18 tonnes.

Model technology

The Tarron HP's multi-blade system Tarron HP guarantees exceptional clearing quality over a width of 4,415 mm. The four blade segments with individual suspension fit perfectly to the profile of the road and remain constantly in clearing position. Even at high speeds, this leads to a clean clearing result. The rigid polyethylene lower links and polyurethane upper links deliver excellent cushioning and make operation as quiet as possible. In both transport and clearing positions, the outer left-hand blade can be hydraulically folded in, to minimise passing width.

The plough is mounted on the truck using a patented three-point lift system with adapters for all current mounting plates. The three-point lift system ensures optimum power transmission to the carrier vehicle, as well as lifting

and lowering the snow plough accurately and straight. A hydraulic safety release for the extension blade is included as standard in the valve block. This prevents overloading on the side blade. All functions are actuated by the optimised hydraulic block.

Thanks to the low-maintenance override system with link-guided plough blade, obstacles on the ground can be safely overridden so the snow plough is not damaged.

Intelligent safety system

The fold-in angle can be adjusted, so that snow can be cleared by the main plough at various angles. Angle sensors monitor the deviation angle to ensure there is no collision with the vehicle itself when the plough is swivelling to the left.

Benefit from:

- a light snow plough which minimises front axle load.
- efficient motorway clearance across wide paths.
- clean clearing results, even at high speeds, as the blade segments automatically adapt to surface unevenness.
- snow clearing at various angles, including to the left, whereby the side blade does not collide with the vehicle.



Tarron HP

Technical data

Snow plough height with polyurethane cover (mm)	1.076
Length at cutting edge (mm)	5.200
Clearing width when plough is swivelled to the right and side blade is folded out (32°) (mm)	4.415
Clearing width when plough is swivelled to the right and side blade is folded in (32°) (mm)	3.307
Clearing width when plough is swivelled to the left and side blade is folded in (32°) (mm)	3.695
Approx weight with PUR shield, cutting edge, wheels (kg)	1.320
Number of blades	4

Motorway snow ploughs CPS 5.3, PS 36 & PS 45

Model technology – CPS 5.3

The 3,300 mm wide CPS 5.3 with a 13° angle is designed for aggressive clearing. The (right side) lateral snow plough with moving segments can also be retracted hydraulically to make negotiating even tight passages easier. During operation, contact pressure is automatically reduced by the lift system with integral tension springs. The patented moving segment override system with excellent spring-back pressure at the cutting edge ensures reliably clean results.

Model technology – PS 36 & 45

The PS 36 and PS 45 single-blade lateral ploughs: Impressive total clearing width and hard shoulder clearing with broad ejection are arguments for their cost-effectiveness. The blades are folded in and out hydraulically, and the plough lifting and lowering is also hydraulic. Lateral forces are transferred to behind the rear axle, which gives the unit good road holding while working. Again, this lateral plough is optionally available in a shorter design for areas where there is less snow.

	CPS 5.3	PS 36-1 C	PS 36-1 NC	PS 45 A
Technical data				
Snow plough height, left (mm)	980	1.300	900	1.300
Snow plough height, right (mm)	1.400	1.500	1.200	1.500
Length at cutting edge, folded out (mm)	3.300	3.600	3.600	4.500
Length at cutting edge, folded in (mm)	2.530/40°	2.550/45°	2.550/45°	2.455/40°
Approx. weight with steel cutting edges (kg)	853	780	750	900
Number of blades	3	–	–	–
Number of Cellasto springs	–	4	4	5

Benefit from:

- efficient operation on motorways with a clearing width of up to 6,300 mm (Tarron HP & CPS 5.3 / PS 36) or up to 7.200 mm (Tarron HP & PS 45 A)
- clean clearing results, even at high speeds, as the blade segments automatically adapt to surface unevenness.

Options

A selection of the key options available for most snow ploughs.



Cutting edges

The cutter edges are attached to the lower edge of the snow plough using integral quick-clamps. To minimise wear and reduce impact to surfaces, we recommend different edges of various materials for each particular application.

	Product
	<p>Steel cutting edges</p> <ul style="list-style-type: none"> • Can be used for aggressive clearing of all kinds of snow and all clearing jobs • Limited use on paved surfaces
	<p>Combi cutting edges (36 and 50)</p> <ul style="list-style-type: none"> • Clearing performance similar to steel, but much more resistant to wear • Rubber reduces the noise of operation and cushions impacts • Can be used on slush, powder or packed snow
	<p>Rubber cutting edge</p> <ul style="list-style-type: none"> • Not suitable for aggressive clearing • Helps ensure gentler clearing of loose and damp snow, especially on paved surfaces
	<p>Rubber/corundum cutting edge</p> <ul style="list-style-type: none"> • Ceramic inserts give improved sliding characteristics and better durability • Suitable for clearing smaller amounts of snow on paved surfaces

Kerb deflector



During clearing jobs, kerb deflectors help prevent the body of the plough from scraping against kerbs and edges.

	Product
	<p>Weld-on kerb deflector</p> <ul style="list-style-type: none"> • Permanently welded onto the outside of the blade
	<p>Screw-on kerb deflector</p> <ul style="list-style-type: none"> • Easy to remove and replace when worn

Options




Snow plough lights

In order to perform clearance jobs safely, it is absolutely vital that operators have good visibility and machines can be easily seen. The right lighting system has to operate with maximum reliability in difficult snowy, wet and cold conditions. However, it must also provide optimum illumination, so that the machine cannot be missed by other road users.

LED marker lights	
	<ul style="list-style-type: none"> LED lights in a vibration-proof and impact-resistant housing
	<ul style="list-style-type: none"> Excellent visibility even in poor conditions

Splash guard and wind deflectors

The splash guard and wind deflectors help prevent the front of the vehicle from clogging with slush and minimise the visual obstruction caused by snow spray. Various snow deflectors are available for different operational conditions.

Product	
	<p>Splash guard</p> <ul style="list-style-type: none"> A simple and economical option Made of rubber with several fabric inserts, it is very robust and tear-resistant Only recommended for use at low clearing speeds where snow is heavy
	<p>Fabric wind deflector</p> <ul style="list-style-type: none"> This wind deflector catches flying snow particulate and conveys it right down behind the blade Robust design and tear-proof fabric for long-term use Adjustable
	<p>Elastomer wind deflector</p> <ul style="list-style-type: none"> PU segments extend the blades and optimise how the snow rolls away Flying slush and snow particulate is caught by this elastomer wind deflector Rubber covers prevent snow from getting between the blades Height-adjustable
	<p>Combined fabric and elastomer wind deflector</p> <ul style="list-style-type: none"> Optimum protection in shifting snow conditions

Possible combinations

The table indicates which snow ploughs and carrier vehicles can be used in conjunction. However, this information is no substitute for a proper axle load calculation. We can, of course, provide this service on request.

	Municipal vehicle	Unimog				Truck			Wheel loader	Tractor					
		200	300	400	500	From 5t	From 7,5 to 15t	From 18t		Up to 30 hp	30–50 hp	50–80 hp	80–100 hp	100–150 hp	Over 150 hp
EN 13	x									x					
EN 15	x									x					
EN 17	x									x					
FLL14	x									x	x				
FLL16	x										x				
FLL18	x										x				
FLL20	x										x				
FLL24	x										x	x			
SNK 18.2	x										x				
SNK 21.2	x										x				
SNK 24.2	x					x					x	x			
MPC-P 24	x					x					x	x			
MPC-P 26	x					x						x			
MPC-P 28		x	x	x	x	x	x					x	x		
SNK 27.2		x	x	x	x	x	x	x				x	x		
SNK 30.2		x	x	x	x	x	x	x				x	x		
SNK 34.2			x	x	x	x	x	x				x	x		
SNK 37.2			x	x	x			x				x	x		
MPC-S 26						x	x					x			
MPC-S 28		x	x	x	x	x	x					x	x		
MPC-S 30		x	x	x	x	x	x					x	x		
CP2		x	x	x	x	x	x					x	x		
CP3		x	x	x	x	x	x					x	x	x	
TARRON MS 24 Compact	x					x						x	x		
TARRON MS 27 Compact	x					x						x	x		
TARRON MS 30 Compact		x	x	x	x	x	x					x	x		
CIRRON SL 24						x						x			
CIRRON SL 27						x	x					x	x		
CIRRON SL 30		x	x	x	x	x	x	x				x	x	x	
CIRRON SL 32		x	x	x	x		x	x				x	x	x	x
CIRRON SL 34				x	x		x	x					x	x	x
CIRRON SL 36				x	x		x	x						x	x
CIRRON SL 40								x						x	x
Snow conditions	light														
	middle														
	hard														

Possible combinations

	Municipal vehicle	Unimog				Truck			Wheel loader	Tractor					
		200	300	400	500	From 5t	From 7.5 to 15 t	From 18 t		Up to 30 hp	30–50 hp	50–80 hp	80–100 hp	100–150 hp	Over 150 hp
PV 23-3 N						x	x					x	x		
PV(F) 26-3		x	x	x	x	x	x					x	x	x	
PV(F) 27-4		x	x	x	x		x					x	x	x	x
PV(F) 28-3					x		x	x				x	x	x	x
PV(F) 29-4					x		x	x					x	x	x
PV(F) 30-3							x	x						x	x
PV(F) 30-4								x						x	x
PV(F) 34-4								x						x	x
TARRON MS 27.1						x	x					x	x		
TARRON MS 30.1		x	x	x	x		x					x	x	x	
TARRON MS 32.1		x	x	x	x		x	x				x	x	x	x
TARRON MS 34.1					x		x	x					x	x	x
TARRON MS 36.1								x						x	x
TARRON MS 40.1								x						x	x
VPL 15	x									x	x				
VPL 18	x									x	x				
VPL 21	x										x	x			
VPL 24	x										x	x			
VPL 27	x		x			x						x	x		
VPL 30			x			x						x	x		
KL-V 28		x	x	x	x		x	x	x			x	x	x	x
KL-V 32		x	x	x	x		x	x	x			x	x	x	x
KL-V 36		x	x	x	x		x	x	x			x	x	x	x
U-LS 3700									x				x	x	x
U-LS 4000									x				x	x	x
U-LS 4300									x				x	x	x
U-LS 4300									x				x	x	x
U-LS 4600									x					x	x
U-LS 4900									x					x	x
U-LS 5500									x					x	x
HPB								x							
CPS 5.3								x							
PS 36-1 (N) C								x							
PS 45-A								x							

Electrohydraulic system

An electrohydraulic system is useful whenever the carrier vehicle has no motor-dependent hydraulic system. This system consists of an electrohydraulic pump unit, control valve block and console.

The system has been redesigned for better standardisation across the Schmidt snow plough product range. This compact and light unit is simply attached to the mounting plate. The standard transport safety valves stop the snow plough from lowering down when it is being transported. A snow plough load relief system can also be installed as an option. This electrohydraulic system is available with the EP ES EvolutionLine control panels.



Control panel for all snow ploughs and attachments in our portfolio	Control for standard front-mounted ploughs and attachable sweepers
For use in right- and left-hand drive vehicles	For use in right- and left-hand drive vehicles
Compact and ergonomic design	Compact and ergonomic design
Separate joystick unit	Innovative joystick for safe operation
Light-up push-buttons	6 function buttons with status LEDs
Protection class IP54	Release button in case of hazardous movement
Designed for low temperatures (-40°)	Protection class IP54
Operating hours meter	Designed for low temperatures (-40°)
Maintenance display	12V/24V
EMC tested	EMC tested
Options	Options
Additional hydraulic loads on/off	Multi-stage blade deloading system (3 stages: 30% • 50% • 70%)
Multi-stage blade deloading system with handy setting and display	EN protocol interface (CAN bus)
Automatic plough lift on reverse	
EN protocol interface (CAN bus)	
Display and monitoring of oil level and temperature with warning signal and automatic switch-off	
Bluetooth option for joystick	
Additional joystick also available for lateral plough	



Via Gateway Thüringen

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