PV

Snow plough

The PV is a multi-bladed swing arm snow plough perfect for winter service on country, district and national roads. Thanks to weight optimization and various clearing widths, the PV snow ploughs can be adapted to most common carrier vehicles. They are available as three or four-blade versions, either as a PV plough with 9° angle cutting edge or as a PVF plough with 21° angle cutting edge.

Highlights

- **Power-flow and shape-optimised blades** for optimum snow removal
- Suitable for **all types of snow and road conditions**
- **Single blade suspension** for roadway adaptation

Your benefits

- **Safe driving over obstacles** without damaging the snow plough thanks to the automatic override system
- **Low-noise clearing** thanks to shock-absorbing and noise-reducing swing links
- The PV snow plough can be used for optimum black or defined white clearing in **any type of snow and on any road condition**

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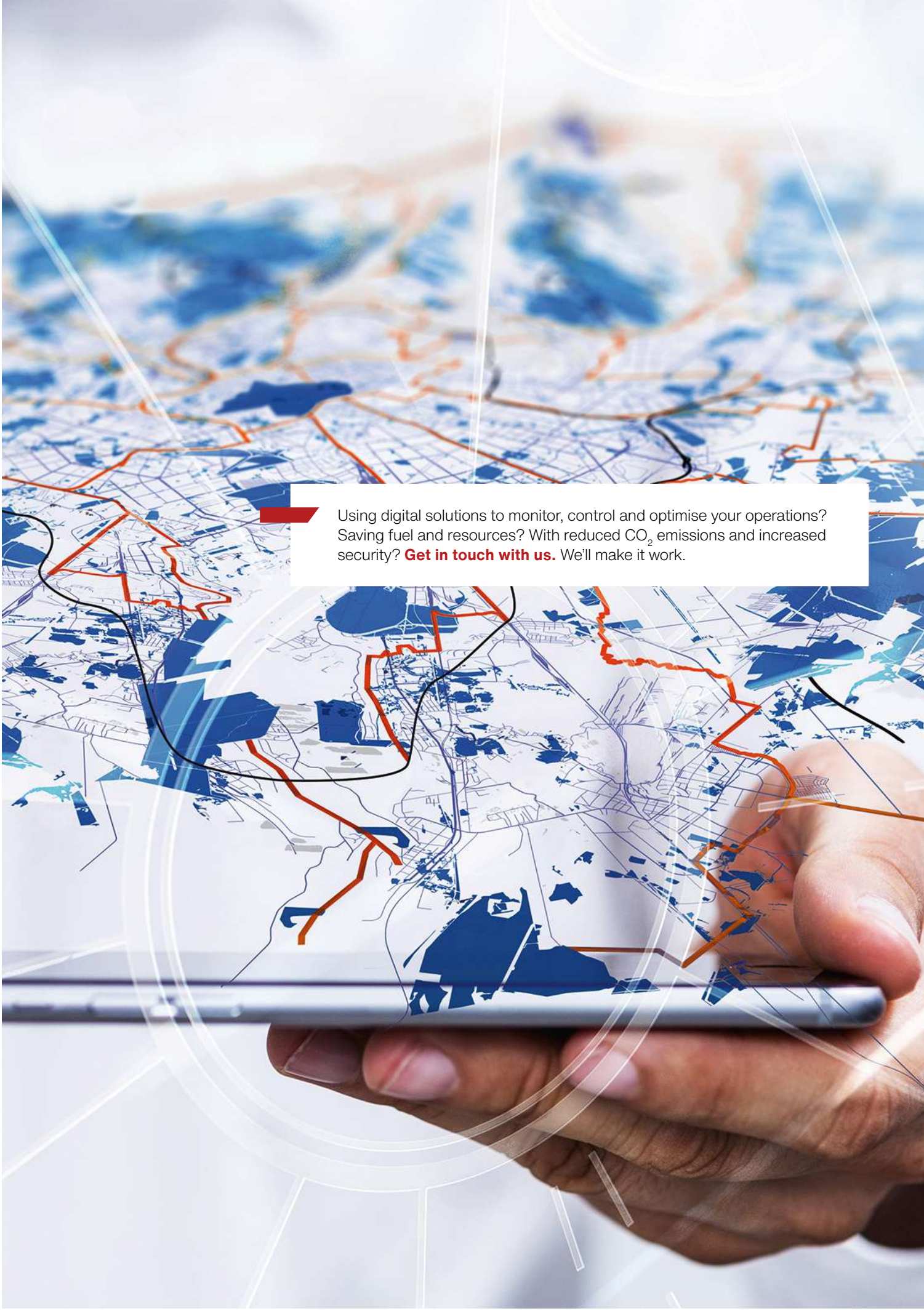


Using digital solutions to monitor, control and optimise your operations? Saving fuel and resources? With reduced CO_2 emissions and increased security? **Get in touch with us.** We'll make it work.

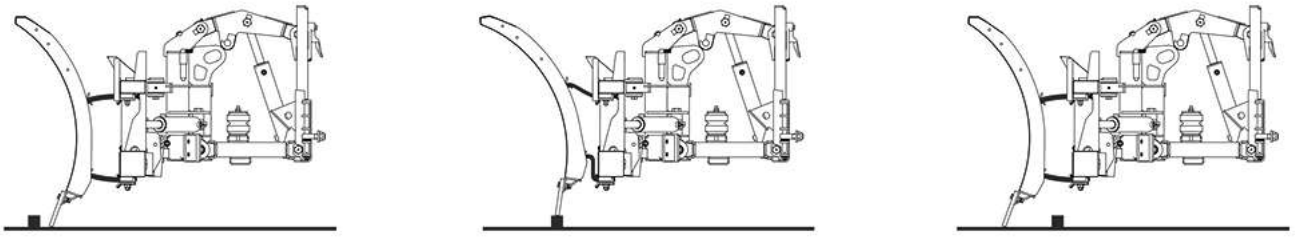
Performance features

Plough blade

The PV is designed as a multi-blade snow plough with individual blade suspension. The PV snow ploughs are available as three or four-blade versions as a PV plough with 9° angle or as a PVF plough with 21° angle cutting edge. The power-flow and shape-optimised blades ensure optimum snow removal. Blades of the same length considerably simplify the storage of cutting edges. The individual blade suspension positions the blades effectively onto the road and adapts to any surface. The spring pre-tensioned and adjustable turning part enables optimum alignment to the road surface. A flatter scraper blade angle of 21° allows more aggressive clearing in areas with heavy snowfall. The clamping device enables quick and safe changing of the cutting edges, so that costly drilling is no longer necessary. Depending on intended use, different cutting edges are available.

Override security system

The automatic, maintenance-free override system, with plough blades guided on linking arms, ensures safety when driving over obstacles without damaging the snow plough. The swinging links are shock-absorbing, maintenance-friendly and noise-reducing. They are resistant to low temperatures and protect the driver and vehicle from bumps and knocks when driving over obstacles.



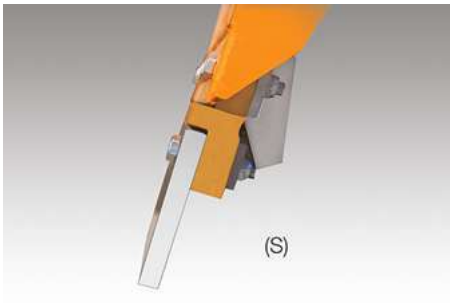
Cutting edges

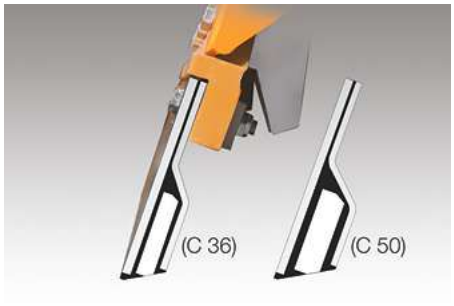
Steel cutting edge (S):
A multi-purpose, cost optimised solution for aggressive clearing of hard and/or compact snow. Steel cutting edges are resistant to bending and twisting, giving a clean result.

Combi cutting edge (size 36 and 50) (C36 / C50):
A more durable cutting edge made of steel, rubber and ceramic. This cutting edge is meant for aggressive snow clearing and can be a good alternative if the steel cutting edge is wearing out too fast. The combination of materials ensures noise and vibration reduction.

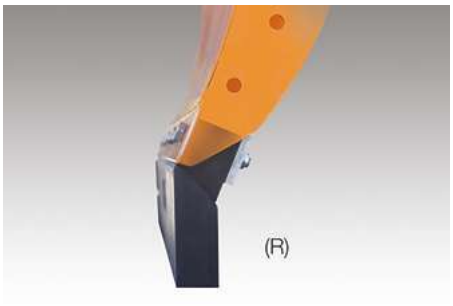
TUCA SX cutting edge:
A state-of-the-art, high performance cutting edge designed for long- term use. The patented Küper Wave Technology uses a curved profile to remove snow without resistance. Separate tungsten holders embedded in rubber and vulcanized between front and rear Hardox 400 steel plate make the TUCA SX incredibly durable.

Rubber cutting edge(R):
A good solution for use on inner city roads and speciality properties like parking lots. Due to the flexible and elastic characteristics of rubber, it glides smoothly over the surface. A rubber cutting edge is especially efficient when clearing snow slush.





(TUCA SX)



Angling system

Lateral adjustment is actuated by two powerful double-action swivel cylinders that position the PV in the selected clearing position without backlash.

Working support device

Castor wheels

The castor wheels ensure precise adjustment of the snow plough and provide appropriate aggressiveness during snow clearing. They support the frame when driving over obstacles and extend the service life of the cutting edge.

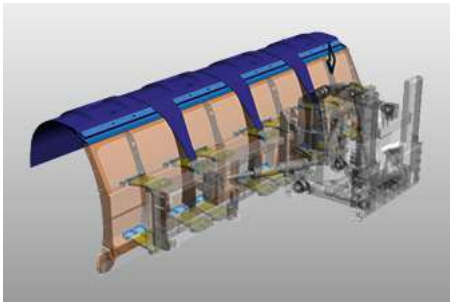
Sliding shoes

Alternatively, maintenance-free height-adjustable sliding shoes can be fitted. They are made of highly wear-resistant steel or combi.

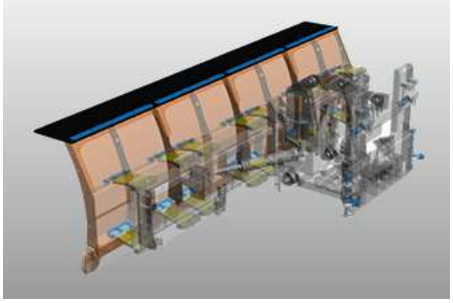
Snow deflector

At speeds of up to 40 km/h (25mph), the snow dust protection prevents snow from obscuring the windscreen of the carrier vehicle, while the snow guide rubber prevents snow from swirling over the plough blade. At higher clearing speeds, the height-adjustable snow deflector also deflects snow dust downwards.

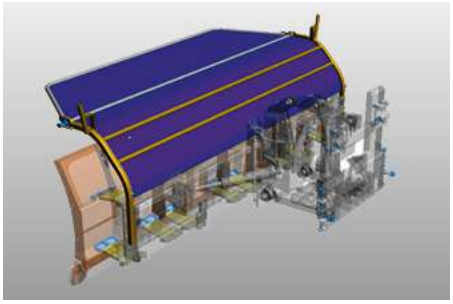
1. an elastic snow deflector made of polyurethane, suitable for all kind of snow. Due to its special gap covers, it prevents slush from getting between the blades.



2. a snow dust cover made of rubber. The ideal solution for semi-professional use.



3. an adjustable snow deflector made of cloth. This version is particularly suitable for powder snow and high speeds



Mounting

The PV has a universal device plate for safe and quick mounting and dismounting in accordance with DIN 76060 A or B. The screwed-on mounting claws are interchangeable; and the device plate is height-adjustable through various attachment points and can be flexibly adapted to the carrier vehicle.
The PV has parking supports which ensure safe mounting and dismounting of the plough. Standard castors allow the parked plough to be moved and make mounting easier. PV ploughs generally have a transport eyelet at the centre of gravity.
The quick-change devices offer safety during quick change. The guide claws and swivel bolts mean handling is not necessary under or between vehicle and plough.

Related products

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Technical data

	PV 23-3N	PV 26-3	PV 27-4
Construction			
Number of blades	3	3	4
Dimensions			
Plough height right	995 mm	1,240 mm	1,240 mm
Plough height left	998 mm	1,140 mm	1,140 mm
Length at cutting edge	2,700 mm	3,000 mm	3,200 mm
Clearing width	2,295 mm at 32° 2,190 mm at 36°	2,605 mm at 32° 2,430 mm at 36°	2,725 mm at 32° 2,600 mm at 36°
Weights			
Approx. weight with steel cutting edges	755 kg	860 kg	935 kg

	PV 28-3	PV 29-4	PV 30-3
Construction			
Number of blades	3	4	3
Dimensions			
Plough height right	1,240 mm	1,240 mm	1,240 mm
Plough height left	1,140 mm	1,140 mm	1,135 mm
Length at cutting edge	3,300 mm	3,400 mm	3,600 mm
Clearing width	2,805 mm at 32° 2,675 mm at 36°	2,895 mm at 32° 2,760 mm at 36°	3,065 mm at 32° 2,920 mm at 36°
Weights			
Approx. weight with steel cutting edges	910 kg	940 kg	930 kg

	PV 30-4	PV 34-4	PVF 30-4 H
Construction			
Number of blades	4	4	4
Dimensions			
Plough height right	1,240 mm	1,240 mm	1,460 mm
Plough height left	1,140 mm	1,140 mm	1,348 mm
Length at cutting edge	3,600 mm	4,000 mm	3,600 mm
Clearing width	3,065 mm at 32° 2,920 mm at 36°	3,400 mm at 32° 3,245 mm at 36°	3,065 mm at 32° 2,920 mm at 36°
Weights			
Approx. weight with steel cutting edges	980 kg	1,070 kg	1,050 kg

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