



Professional
maintenance

VAMA-Product Oy is a family business. The Finnish industrial company's history dates back more than 40 years.

Today, VAMA-product Oy is a strong road and property maintenance technology developer and high-tech manufacturer. This is reflected in the products as superior performance and durability, but also in the manufacturer's ability to listen and help the customer throughout the product lifecycle.

The right solution can be built from the wide range and comprehensive selection of accessories to meet each customer's needs.

The starting point for the design is durability, functionality and long life to ensure uninterrupted and superior work.



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VAMA blades

In the **VAMA blade selection**, you will find the suitable rear blade for all different sized tractors. In the extensive accessory range, you will find the corresponding accessories for all work requirements. VAMA rear blades are well suited for use all year round. All blades have both a swivel frame, and a folding rear plate. The unique design of the rear blade effortlessly lifts and rolls the material.

Accessories

- Support wheels and support plates
- Back plates
- A variety of additional wings such as hydraulically ascending, hydraulically rotating, flat end-plate and a 45° rigid side wing
- Electronic selector valve
- Pressure relief valve
- Various blade options

Weights may vary depending on the equipment.

VAMA



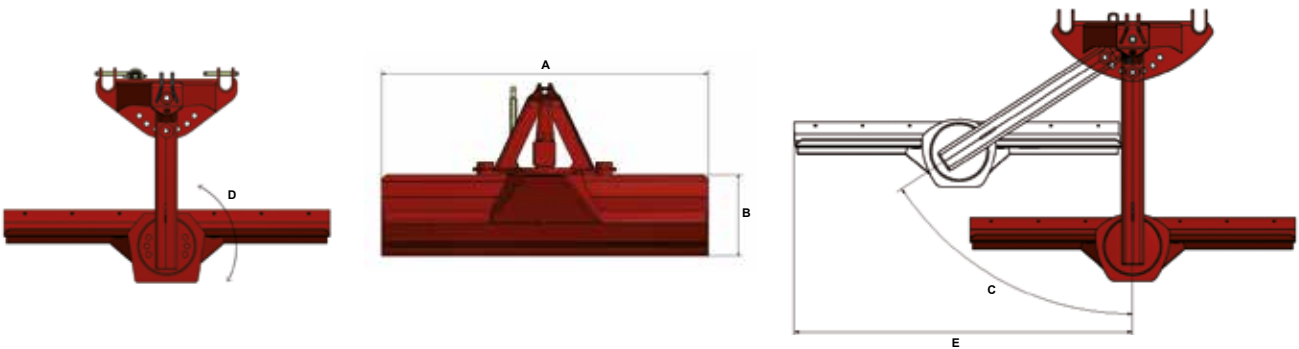
Mechanical blades

- Mechanical folding of the frame and blade
- A rotating plane/indented blade as a first installation blade
- K models for both category 1 and category 2 machine fittings
- J models for category 2 machine fittings

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Model	Fit	Working width (A)	Blade height (B)	Frame adjustment (C)	Ploughing angle adjustment (D)	Lateral offset (E)	Weight
210 K	Cat.1/Cat.2	2100 mm	565 mm	+/- 57° Mec. 7 Position	360° Mec. 18 Position	2150 mm	270 kg
250 K	Cat.1/Cat.2	2500 mm	565 mm	+/- 57° Mec. 7 Position	360° Mec. 18 Position	2350 mm	323 kg
250/ J	Cat.2	2500 mm	710 mm	+/- 45° Mec. 7 Position	360° Mec. 30 Position	2400 mm	473 kg

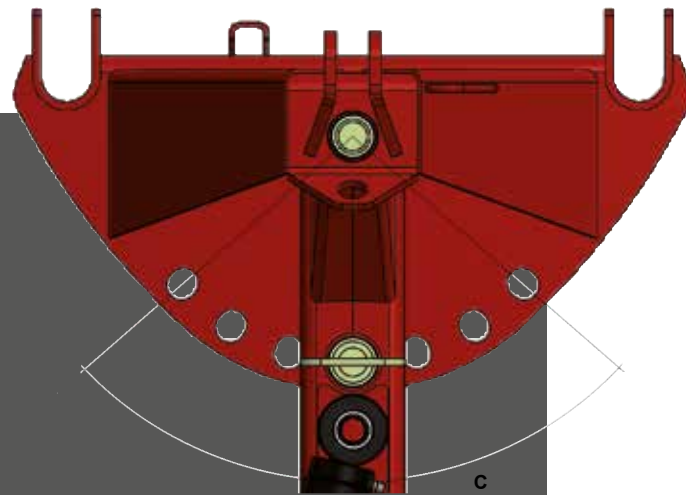
Weights may vary depending on the equipment



VAMA

Hydraulic blades

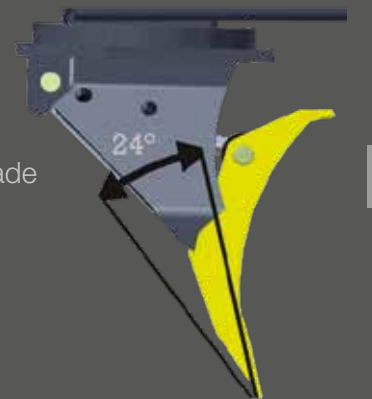
- All hydraulic blades have a wide hydraulic swivel angle
- A rotating plane/indented blade as a first installation blade
- In JH2 models frame rotation also operates with hydraulics



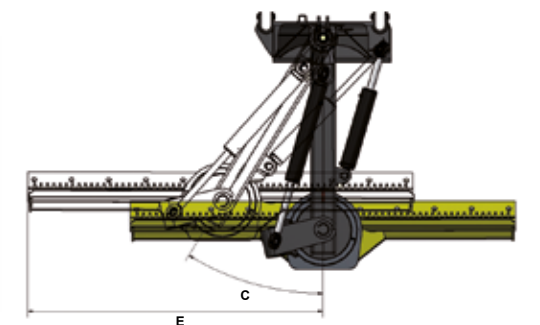
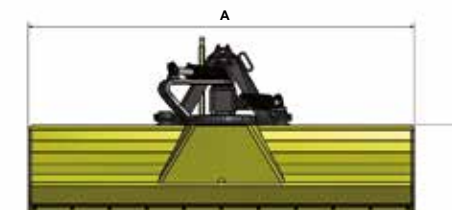
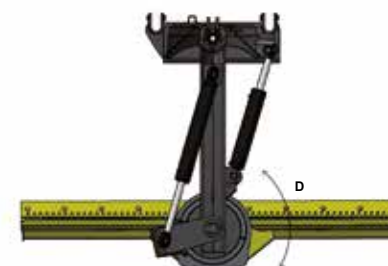
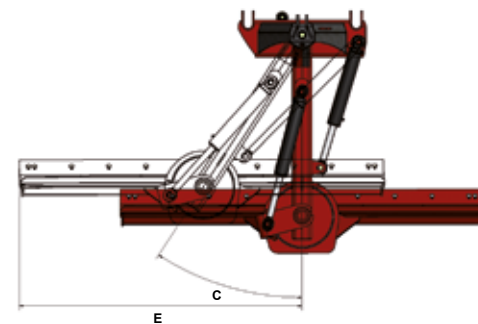
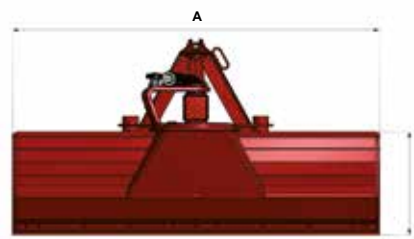
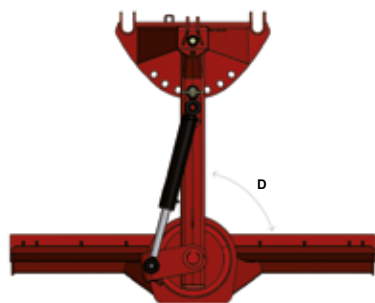
Type R

R model rear blades are designed for heavy-duty professional use

- Hydraulic blade and frame rotation
- R3 models also have hydraulic blade angle adjustment
- A rotating plane/indented blade as a first installation blade
- **Compared to the JH1 and JH2 models:**
 - Stronger cylinders and bearings
 - Stronger rotation crank
 - Mechanical rotation perimeter
 - Higher material strengths



YouTube



Model	Fit	Working width (A)	Blade height (B)	Frame adjustment (C)	Ploughing angle adjustment (D)	Lateral offset (E)	Weight
250/KH1	Cat.1/Cat.2	2500 mm	565 mm	+/- 57° Mec. 7 Position	280° hyd.	2350 mm	368 kg
250/JH1	Cat.2	2500 mm	710 mm	+/- 45° Mec. 7 Position	290° hyd.	2400 mm	560 kg
300/JH1	Cat.2	3000 mm	710 mm	+/- 45° Mec. 7 Position	290° hyd.	2650 mm	650 kg
250/JH2	Cat.2	2500 mm	710 mm	+/- 33° hyd.	290° hyd.	2050 mm	620 kg
300/JH2	Cat.2	3000 mm	710 mm	+/- 33° hyd.	290° hyd.	2300 mm	695 kg

Weights may vary depending on the equipment

Model	Fit	Working width (A)	Blade height (B)	Frame adjustment (C)	Ploughing angle adjustment (D)	Lateral offset (E)	Weight
3000 R2	Cat.2/Cat.3	3000 mm	710 mm	+/- 32° hyd.	275° hyd.	2200 mm	870 kg
3800 R2	Cat.2/Cat.3	3800 mm	710 mm	+/- 32° hyd.	275° hyd.	2700 mm	960 kg
3000 R3	Cat.2/Cat.3	3000 mm	710 mm	+/- 32° hyd.	275° hyd.	2200 mm	1040 kg
3800 R3	Cat.2/Cat.3	3800 mm	710 mm	+/- 32° hyd.	275° hyd.	2700 mm	1140 kg

Weights may vary depending on the equipment



Blade accessories

Additional wings

The VAMA rear blade additional wings can diversify and improve the usage possibilities of your rear blade.

Back plates

The back plate can get the blade to work in both directions without turning the blade.

Support wheels

By using VAMA support wheels, the end result is smooth. Support wheels are easy to install.



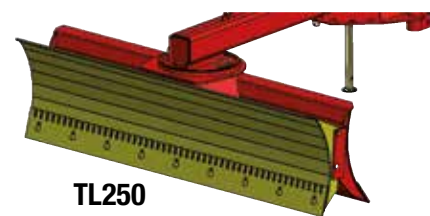
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Additional wings

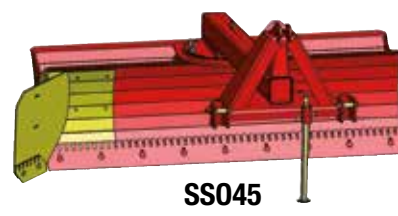
Model	Weight	Type	Height	Width
SSOLA	40 kg	Throwing plate RIGHT	810 mm	1600 mm
SSV	45 kg	End plate straight 90° LEFT	680 mm	750 mm
SSO	45 kg	End plate straight 90° RIGHT	680 mm	750 mm
SSV45	85 kg	End plate 45° LEFT	680 mm	825 mm
SSO45	85 kg	End plate 45° RIGHT	680 mm	825 mm
SSVH600	140 kg	Hyd. end plate LEFT	710 mm	675 mm
SSOH600	140 kg	Hyd. end plate RIGHT	710 mm	675 mm

Support wheels

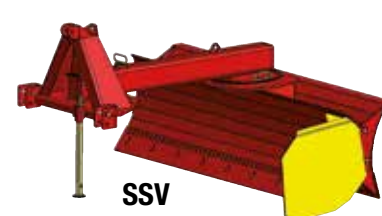
Model	Weight	Operation	Adjustment	Wheel Size
VAMA K	48 kg	Mec.	150 mm	5.00-8
VAMA KH	52 kg	Hyd.	150 mm	5.00-8
VAMA J	82 kg	Mec.	220 mm	155/80R13
VAMA JH	84 kg	Hyd.	220 mm	155/80R13
VAMA R	120 kg	Mec.	220 mm	155/80R13
VAMA RH	126 kg	Hyd.	220 mm	155/80R13
VAMA RM	216 kg	Mec.	170 mm	20X8.50-12
VAMA RMH	220 kg	Hyd.	170 mm	20X8.50-12



TL250



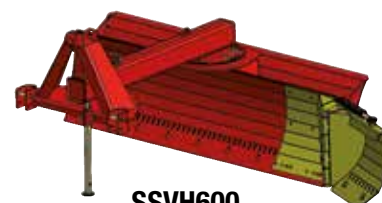
SS045



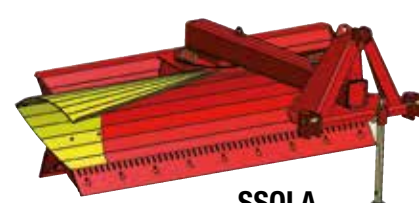
SSV

Back plates

Model	Weight	Height	Width
TL250	200 kg	710 mm	2500 mm
TL300	230 kg	710 mm	3000 mm
TL380	300 kg	710 mm	3800 mm



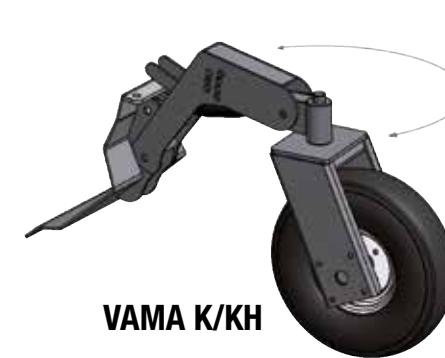
SSVH600



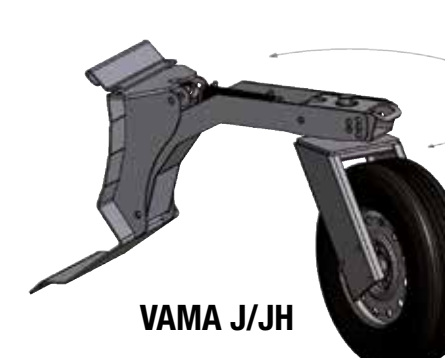
SSOLA

Support wheels for blades

All of the blade support wheels rotate a full 360 degrees.



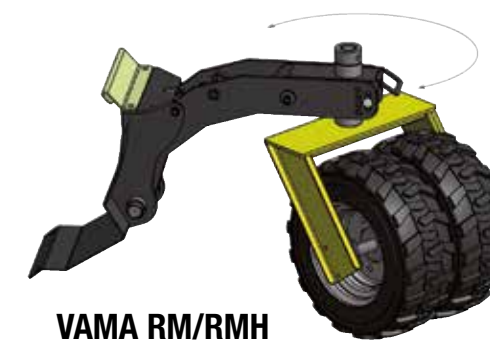
VAMA K/KH



VAMA J/JH



VAMA R/RH



VAMA RM/RMH



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VAMA road blades

The **VAMA road blade** is an effective solution to detach the hard ridge of snow at the edge of the road, but it is very suitable for year-round use. For pressing, the road blade uses the tractor's own weight, and does not require any additional brackets to be installed. A VAMA rear blade can easily be connected to the VAMA road blade, and thus it becomes a more effective tool. The road blade requires two pieces of 2-way hydraulic outputs, as well as a free return.

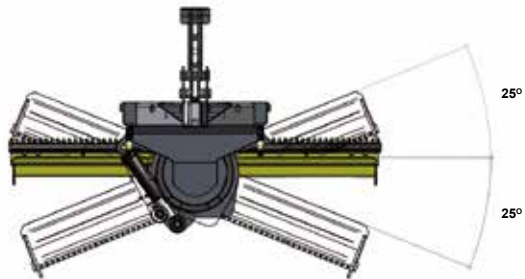
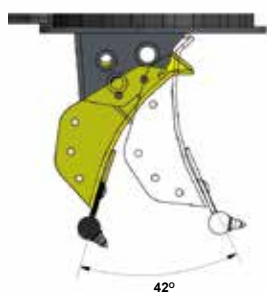
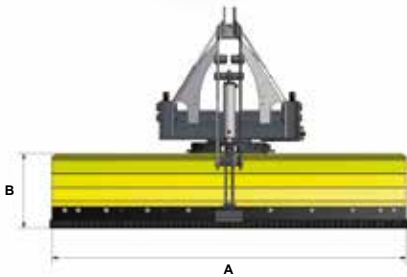
- Mechanical ploughing adjustment
- Pressing adjustment valve
- Pressing pressure accumulator
- 3 point fittings Cat.2 / Cat.3
- First installation blade plane/indented
- Hydraulic pressing
- Hydraulic ploughing angle adjustment +/- 25°

Accessories

- Support wheels
- Bolted end plates
- Hydraulically rising end plates
- Hydraulic push rod for the plough
- Carbide blades
- Additional hydraulic block



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Model	Weight	Width (A)	Wing Height (B)	Blade angle adjustment
2500P2	750 kg	2500 mm	400 mm	Mec. 3 Position
2750P2	765 kg	2750 mm	400 mm	Mec. 3 Position
3000P2	780 kg	3000 mm	400 mm	Mec. 3 Position
3500P2	800 kg	3500 mm	400 mm	Mec. 3 Position

Weights may vary depending on the equipment



Road blade accessories

Additional wings

The VAMA road blade additional wings can diversify and improve the usage possibilities of your road blade.

Support wheels

By using VAMA support wheels, the end result is smooth. Support wheels are easy to install



Support wheels- VAMA P

Additional wings - SSOVP400



Additional wings - SS0N90P



Additional wings - SSVP35



Additional wings

Model	Weight	Type	Height	Width
SSOP35	43 kg	End plate straight 35° RIGHT	410 mm	500 mm
SSVP35	43 kg	End plate straight 35° LEFT	680 mm	500 mm
SSOVP400	40 kg	Streit wing RIGHT/LEFT	400 mm	410 mm
SS0N90P	74 kg	Hyd. End plate	400 mm	550 mm

Intermediate cylinder

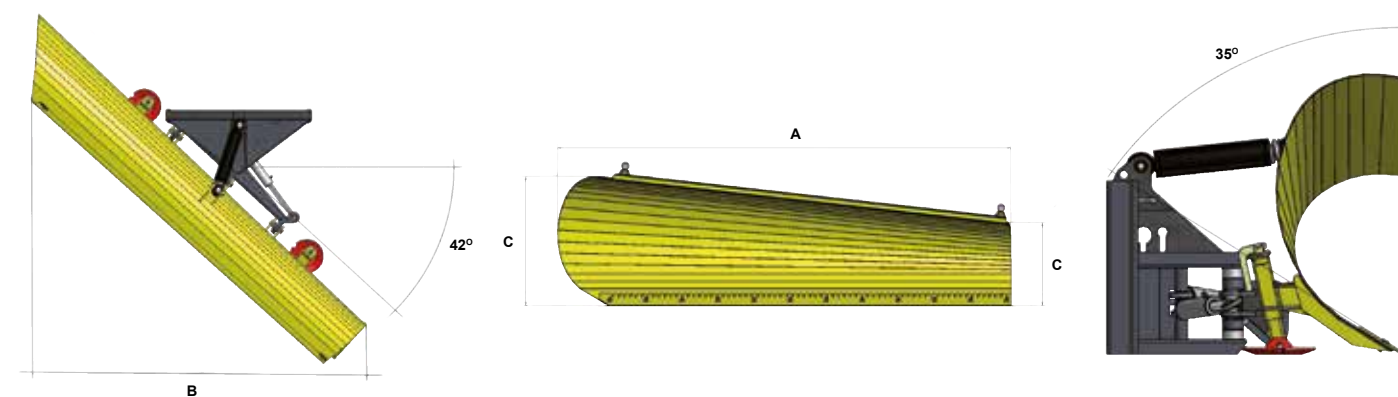
Model	Weight	
SYL01020	10 kg	Hydraulic cylinder

Support wheels

Model	Weight	Operation	Adjustment	Wheel Size
VAMA P	210 kg	Mec.	120 mm	20x8.50-12
VAMA PH	214 kg	Hyd.	120 mm	20x8.50-12



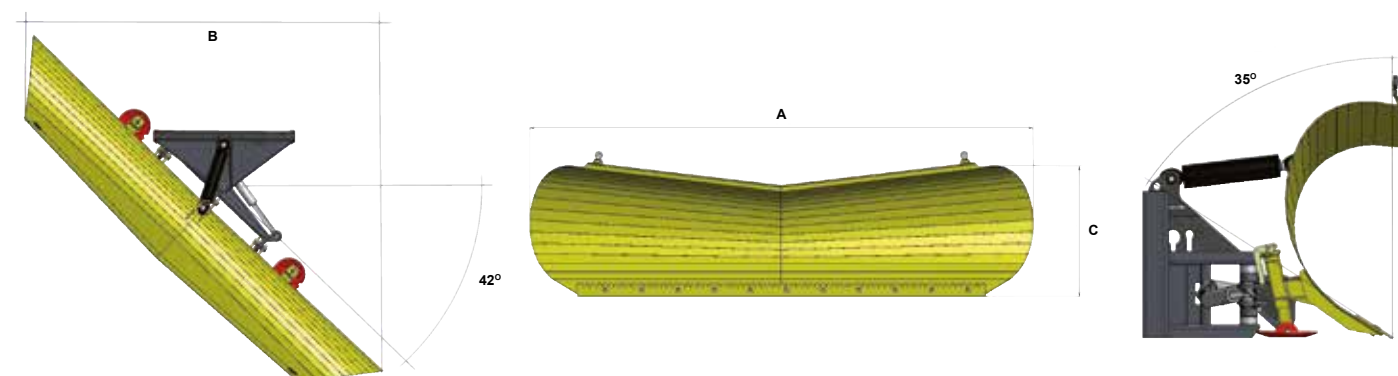
Throwing area ploughs EA-K series



Model	Width (A)	Width Turned (B)*	Height (C)	Weight
EA3200K	3200 mm	2380/2770 mm	660/1040 mm	675 kg
EA3440K	3440 mm	2560/2980 mm	660/1040 mm	720 kg
EA3800K	3800 mm	2825/3290 mm	660/1040 mm	780 kg

Weights may vary depending on the equipment. *Leveydet kääntökulmilla 42°/30°

Area ploughs that throw on both sides EA-KK series “butterfly plough”



Model	Width (A)	Width Turned (B)*	Height (C)	Weight
EA3200KK	3200 mm	2380/2770 mm	1040/660/1040 mm	685 kg
EA3440KK	3440 mm	2560/2980 mm	1040/660/1040 mm	740 kg

Weights may vary depending on the equipment. * Leveydet kääntökulmilla 42°/30°

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Area ploughs

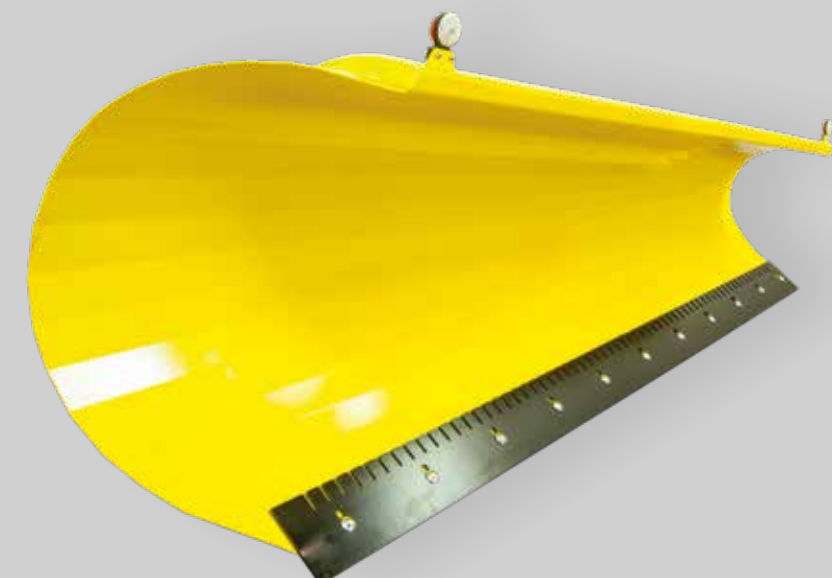
The VAMA area plough range has been developed specifically for ploughing snow off roads, yards and parking areas. The range has several different types of ploughs according to needs. The pushing arms of the VAMA area ploughs have good floating properties in order to achieve a smooth ploughing result. The ploughing level is easy to adjust either with support plates are with support wheels that are available as accessories.

Properties

- Hydraulic ploughing angle adjustment +/- 42° with two 2-way cylinders with a relief valve
- Bolt-attachable plane/indented blades (interval 305 mm)
- Thread adjustable support plates
- Blade angle 35°, blade tilt +/- 15°
- Available for all standard front loaders
- Reflectors
- VAMA Q1FIT bolt-attachable fittings

Accessories

- Support wheels
- Bolted end plates
- Hydraulically rising end plates
- Carbide blades
- LED side lights
- Rubber flap for wing



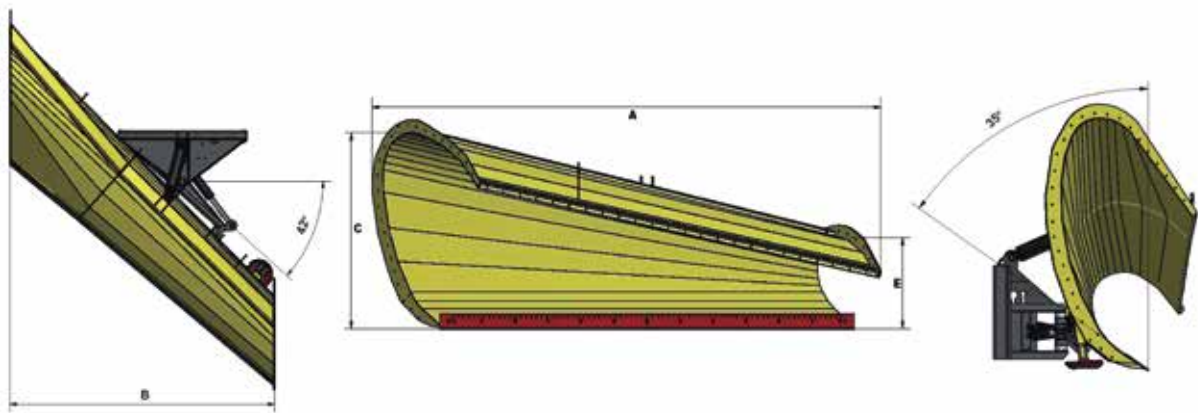
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VAMA



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High throwing area ploughs EA KN series



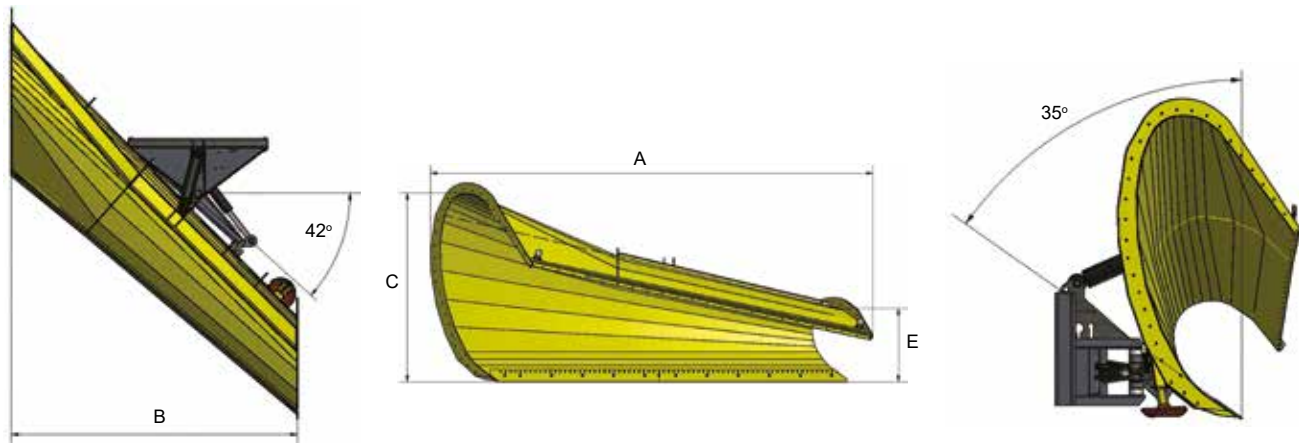
Model	Width (A)	Width Turned (B)*	Height (C)	Height (E)	Weight
EA3200KN	4090 mm	2370/3040 mm	1545 mm	720 mm	900 kg
EA3440KN	3330 mm	2550/3250 mm	1545 mm	720 mm	940 kg
EA3800KN	4700 mm	2815/3560 mm	1545 mm	720 mm	1010 kg

Weights may vary depending on the equipment. * Widths at rotating angles of 42°/30°



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High throwing area ploughs EA KL series



Model	Width (A)	Width when turned (B)*	Height (C)	Height (E)	Weight
EA3200KL	4090 mm	2370/3040 mm	1845 mm	720 mm	925 kg
EA3440KL	4330 mm	2550/3250 mm	1845 mm	720 mm	965 kg
EA3800KL	4700 mm	2815/3560 mm	1845 mm	720 mm	1050 kg
EA4000KL	4900 mm	3000/4750 mm	1845 mm	720 mm	1150 kg

Weights may vary depending on the equipment. * Widths at rotating angles of 42°/30°



VAMA



Swivelling ploughs

The VAMA swivelling plough range is a diverse series of ploughs for different sized industrial equipment. The swivelling ploughs are at their best in conditions, where the size of the areas vary in size from narrower paths to wider areas, and snow needs to be piled up in places.

The VAMA swivelling ploughs have good floating features and the blades, depending on the model, have springs in either two or four parts. This all makes for a very smooth ploughing result.



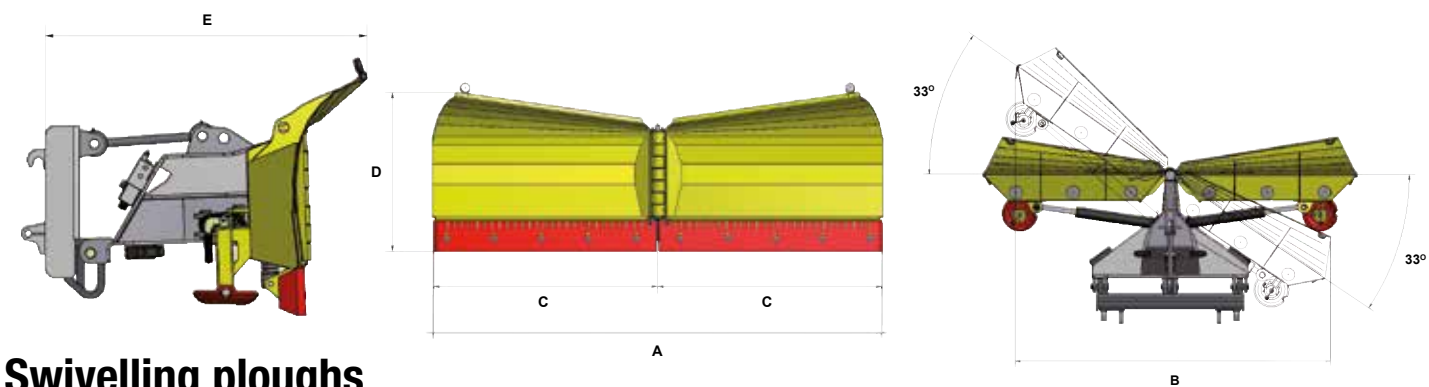
VAMA

Standard equipment

- 6/2 valve replacement valve with tank coupling (coupling 2 x pressure + 1 free return)
- Thread adjustable support plates
- Reflectors
- Original blade turning plane/indented blades
- Available for all standard front loaders
- Spring-loaded blade mounts
- VAMA Q1-FIT bolt-attachable fittings

Accessories

- Multi-function valves
- Pressure accumulator
- Various blade options
- Intermediate rubber for wings * (only KH models)
- Wing connector series * (only KH models)
- Carbide blades
- LED side lights
- Rubber flap for wing



Swivelling ploughs

Model	Weight	Overall Width (A)	Turned (B)	Wing Width (C)	Height (D)	Depth (E)
ENA2500K	775 kg	2500 mm	2120 mm	1250 mm	955 mm	1200 mm
ENA2800K	830 kg	2800 mm	2365 mm	1400 mm	975 mm	1200 mm
ENA3200K	900 kg	3200 mm	2690 mm	1600 mm	1000 mm	1200 mm
ENA3440K	950 kg	3440 mm	2885 mm	1720 mm	1015 mm	1200 mm
ENA4000K	1080 kg	4000 mm	3345 mm	2000 mm	1050 mm	1200 mm
ENA2800KH	865 kg	2800 mm	2365 mm	1400 mm	1350 mm	1400 mm
ENA3200KH	965 kg	3200 mm	2690 mm	1600 mm	1350 mm	1200 mm
ENA3440KH	1020 kg	3440 mm	2885 mm	1720 mm	1350 mm	1200 mm
ENA4000KH	1160 kg	4000 mm	3345 mm	2000 mm	1350 mm	1200 mm

Weights may vary depending on the equipment.



Accessories

- Multi-function valves
- Carbide blades
- LED side lights
- Rubber flap for wing
- Various blade options

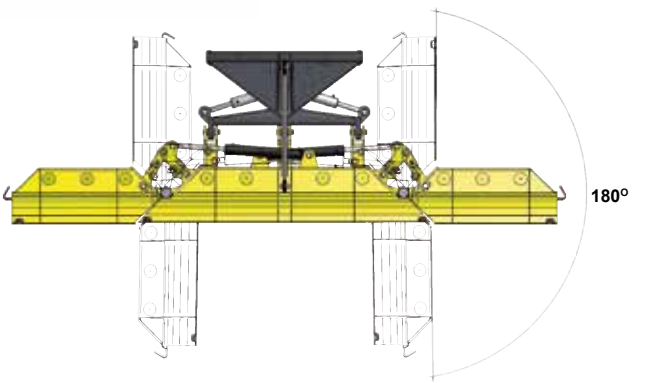
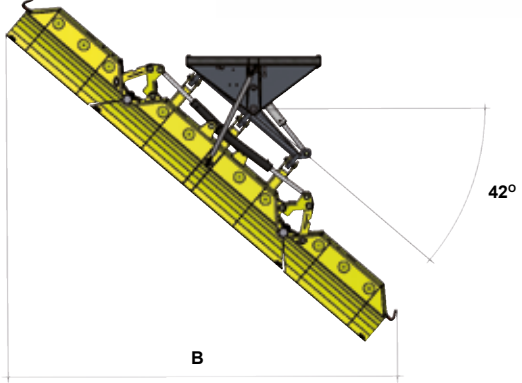
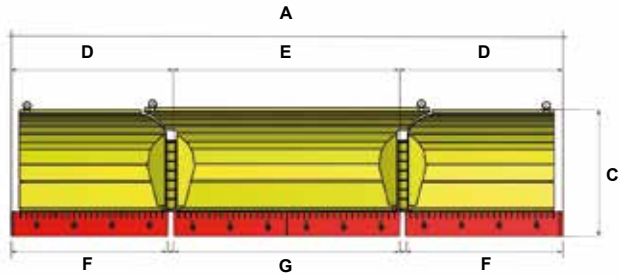
U-Ploughs

The VAMA U-ploughs have the same pushing block as the VAMA area ploughs have. The pushing blocks have the same swivelling and floating properties as the area ploughs. In addition to the middle plate turning, the U-plough also has side wings on both sides that turn forwards and backwards, which enable, for example, the efficient collection of snow.

Properties

- Spring-loaded blade mounts
- Original blade turning plane/indented blades
- Pushing block +/- 42° ploughing angle rotation
- Reflectors
- Available for all standard front loaders
- Hydraulically controlled wings +/-90°
- Multi-function valve
- Pressure accumulators
- Support feet
- VAMA Q1-FIT bolt-attachable fittings

VAMA



U-Ploughs

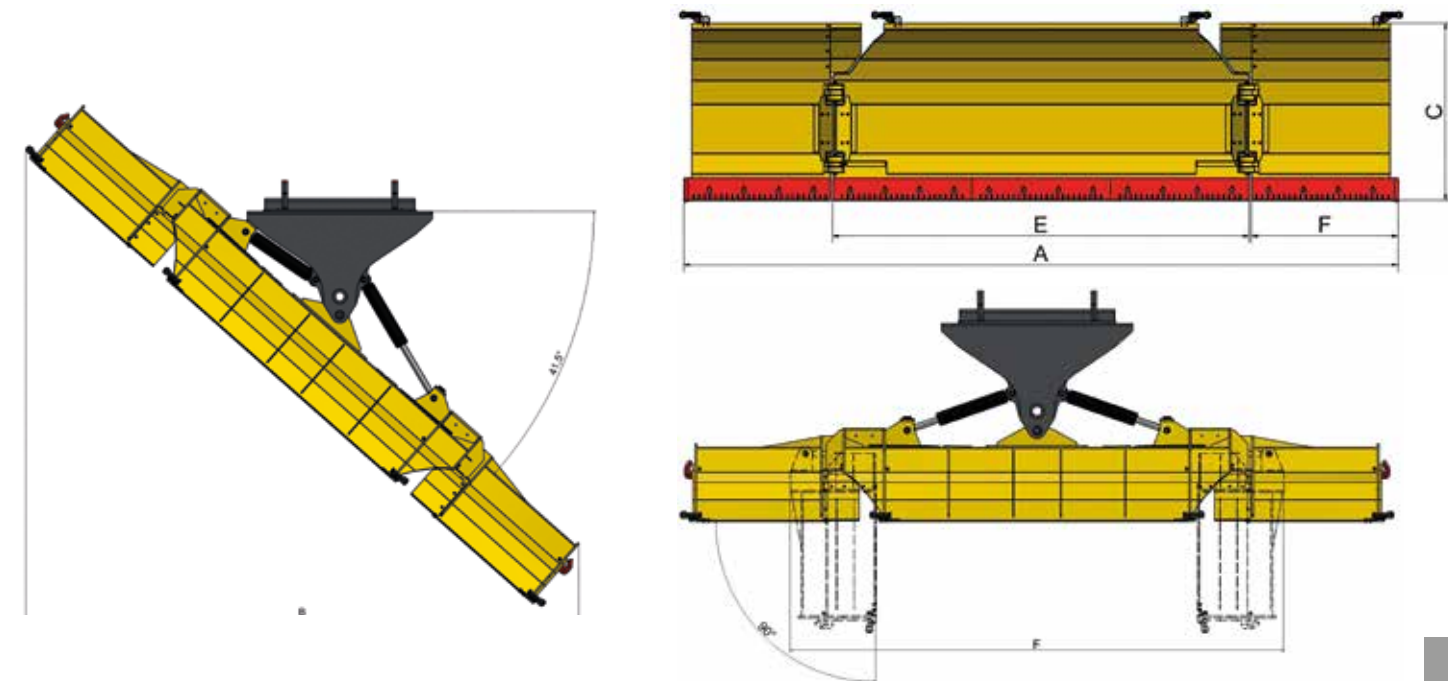
Model	Weight	Overall Width (A)	Turned (B)	Height (C)	Side wing (D)	Middle wing (E)	Blade (G)	Blade (F)
EAU2800L	545 kg	2800 mm	2050 mm	750 mm	500 mm	1850 mm	2x692 mm	692 mm
EAU3000L	565 kg	3000 mm	2150 mm	750 mm	600 mm	1850 mm	2x692 mm	792 mm
EAU3350K	935 kg	3350 mm	2600 mm	1050 mm	500 mm	2350 mm	2x915 mm	692 mm
EAU3800K	1000 kg	3800 mm	2900 mm	1050 mm	725 mm	2350 mm	2x915 mm	915 mm
EAU4400K	1320 kg	4400 mm	3350 mm	1050 mm	1025 mm	2350 mm	2x915 mm	1220 mm
EAU4800K	1455 kg	4800 mm	3550 mm	1050 mm	1225 mm	2350 mm	2x915 mm	1420 mm
EAU4800KH	1580 kg	4800 mm	3550 mm	1250 mm	800 mm	3250 mm	3x915 mm	915 mm
EAU5200KH	1655 kg	5200 mm	4350 mm	1250 mm	1000 mm	3250 mm	3x915 mm	1220 mm
EAU5800KM	1860 kg	5800 mm	4800 mm	1550 mm	1225 mm	3250 mm	3x915 mm	1420 mm

Weights may vary depending on the equipment.



Model	Weight	Overall Width (A)	Turned (B)	Height (C)	Transport Width (D)	Blade (E)	Blade (F)
EAU4930HD	3635 kg	5055 mm	4095 mm	1300 mm	2940 mm	2x1220 mm	1220 mm
EAU5540HD	3890 kg	5665 mm	4590 mm	1300 mm	2940 mm	2x1220 mm	1525 mm
EAU5850HD	4010 kg	5975 mm	4840 mm	1300 mm	2940 mm	2x1220 mm	1680 mm
EAU6150HD	4120 kg	6275 mm	5085 mm	1555 mm	4410 mm	3x1220 mm	1220 mm
EAU6760HD	4370 kg	6885 mm	5580 mm	1555 mm	4410 mm	3x1220 mm	1525 mm
EAU7070HD	4495 kg	7195 mm	5830 mm	1555 mm	4410 mm	3x1220 mm	1680 mm
EAU7370HD	4615 kg	7495 mm	6075 mm	1600 mm	5160 mm	2x1525+1220 mm	1525 mm
EAU8590HD	5095 kg	8715 mm	7060 mm	1600 mm	6615 mm	2x1525+2x1220 mm	1525 mm

Weights may vary depending on the equipment.



HD U-Ploughs

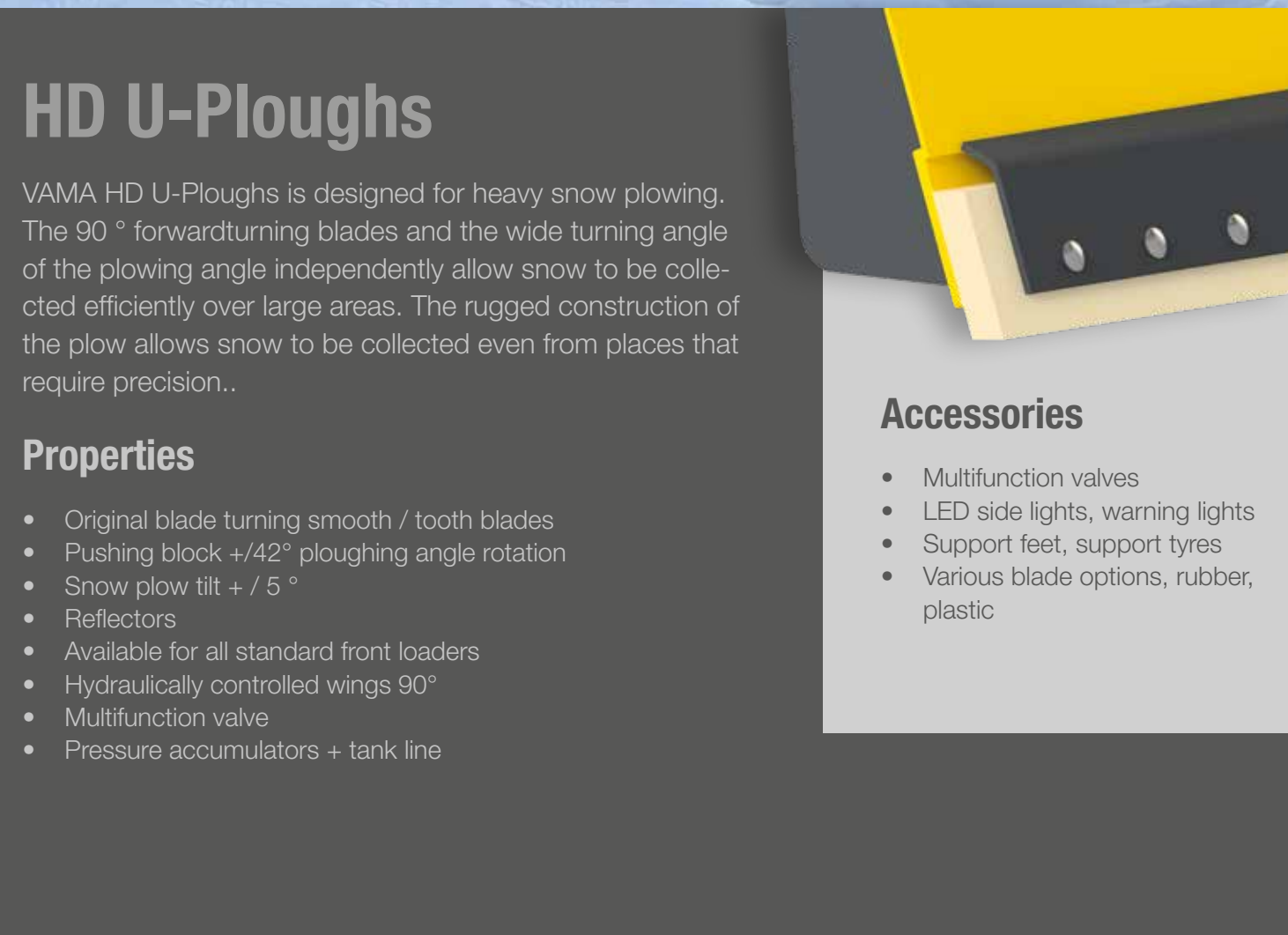
VAMA HD U-Ploughs is designed for heavy snow plowing. The 90 ° forwardturning blades and the wide turning angle of the plowing angle independently allow snow to be collected efficiently over large areas. The rugged construction of the plow allows snow to be collected even from places that require precision..

Properties

- Original blade turning smooth / tooth blades
- Pushing block +/42° ploughing angle rotation
- Snow plow tilt + / 5 °
- Reflectors
- Available for all standard front loaders
- Hydraulically controlled wings 90°
- Multifunction valve
- Pressure accumulators + tank line

Accessories

- Multifunction valves
- LED side lights, warning lights
- Support feet, support tyres
- Various blade options, rubber, plastic





Spreading shovels

A snow handling device for professionals for cleaning yards and parking areas. Both ends have hydraulic extensions (600 mm) Standard 6/2 directional valve, which allows the asynchronous use of the wings.

Properties

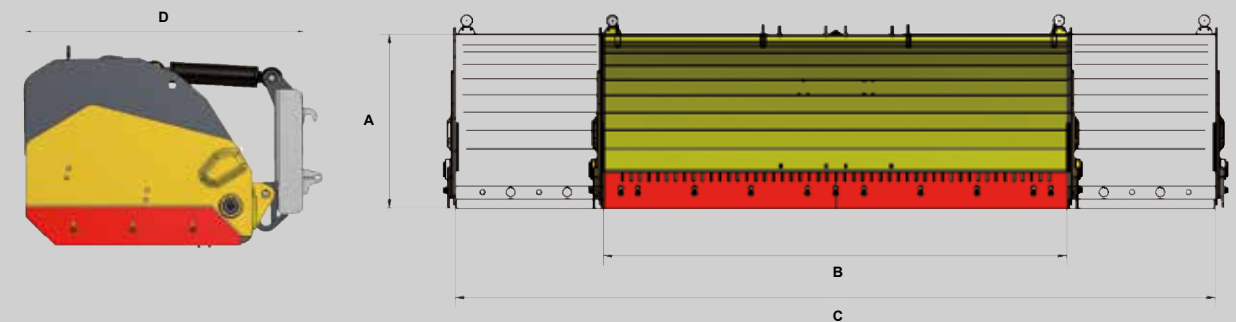
- Hydraulic extension wings, enables asynchronous use of the wings
- Flexible structure
- Reflectors
- VAMA Q1-FIT bolt-attachable fittings



Accessories

- Various blade options
- Multi-function valves
- Carbide blades
- LED side lights

Spreading shovels



Model	Height (A)	Width min. (B)	Width Max. (C)	Depth (D)	Weight
ELK1700	850 mm	1700 mm	2600 mm	850 mm	780 kg
ELK2100	970 mm	2100 mm	3300 mm	1150 mm	1150 kg
ELK2500	970 mm	2500 mm	4100 mm	1150 mm	1210 kg
ELK3000	1250 mm	3000 mm	4600 mm	1450 mm	1370 kg
ELK2100X	1020 mm	2100 mm	4000 mm	1150 mm	1310 kg
ELK2500X	1020 mm	2500 mm	4800 mm	1150 mm	1570 kg
ELK3000X	1250 mm	3000 mm	5800 mm	1450 mm	1900 kg

Weights may vary depending on the equipment.



Spreading ploughs

The VAMA spreading ploughs are suitable for ploughing both small and large areas. The hydraulically spreading extension wings make this plough an especially flexible tool for conditions, where it is occasionally essential to fit through narrow spaces.

Properties

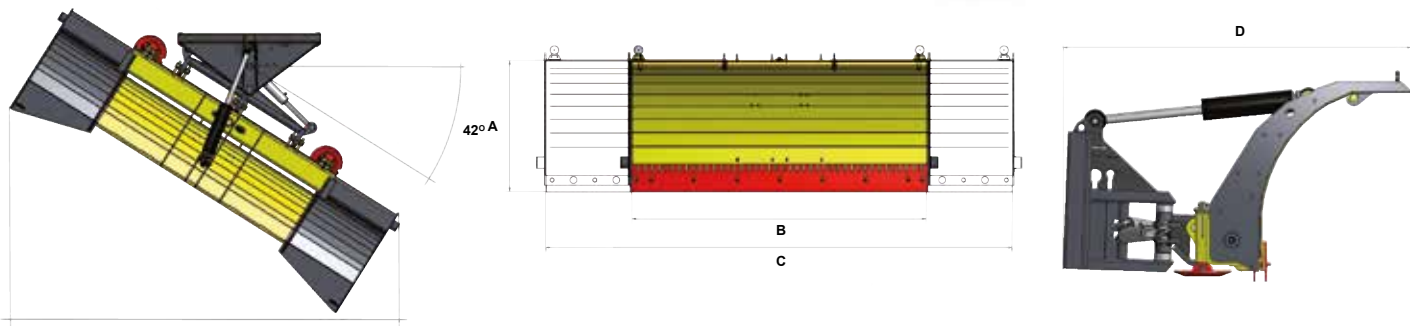
- Hydraulic extension wings, enables asynchronous use of the wings
- Flexible structure
- Threaded adjustable stands
- +/-42° rotation, pushing block familiar from the VAMA area ploughs with the floating feature
- Available for all standard front loaders
- Reflectors
- VAMA Q1-FIT bolt-attachable fittings

Accessories

- Various blade options
- Multi-function valves
- Carbide blades
- LED side lights



Spreading ploughs



Model	Weight	Height (A)	Width min. (B)	Width Max. (C)	Depth (D)
ELA2100	1000 kg	1100 mm	2100 mm	3300 mm	1650 mm
ELA2500	1150 kg	1100 mm	2500 mm	4100 mm	1650 mm
ELA3000	1250 kg	1200 mm	3000 mm	4600 mm	1650 mm
ELA2100X	1160 kg	1020 mm	2100 mm	4000 mm	1650 mm
ELA2500X	1310 kg	1020 mm	2100 mm	4800 mm	1650 mm
ELA3000X	1500 kg	1250 mm	3000 mm	5800 mm	1650 mm

Weights may vary depending on the equipment.



EPS270M

Winged buckets

The VAMA winged buckets are well suited for versatile snow work, where snow is ploughed and piled. Good examples of this are industrial areas, parking areas, streets, school play-grounds and so on. It is convenient to pile snow in heaps with the winged bucket or, if necessary, pile it to be transported away.

Properties

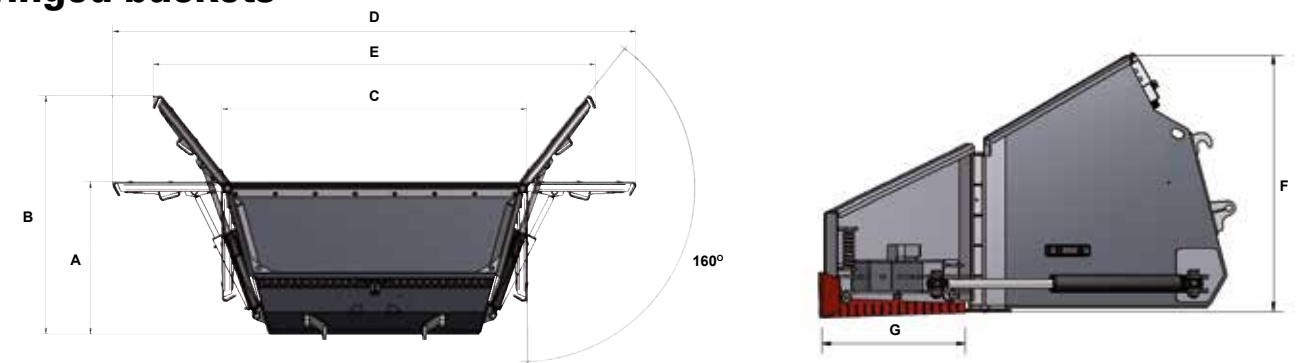
- Hydraulically folding side wings
- Suspended interchangeable blades
- Shock valves in the side wing cylinders, the wings flex when they hit an obstacle
- Available for all standard front loaders
- VAMA Q1-FIT bolt-attachable fittings (not H and M models)



VAMA

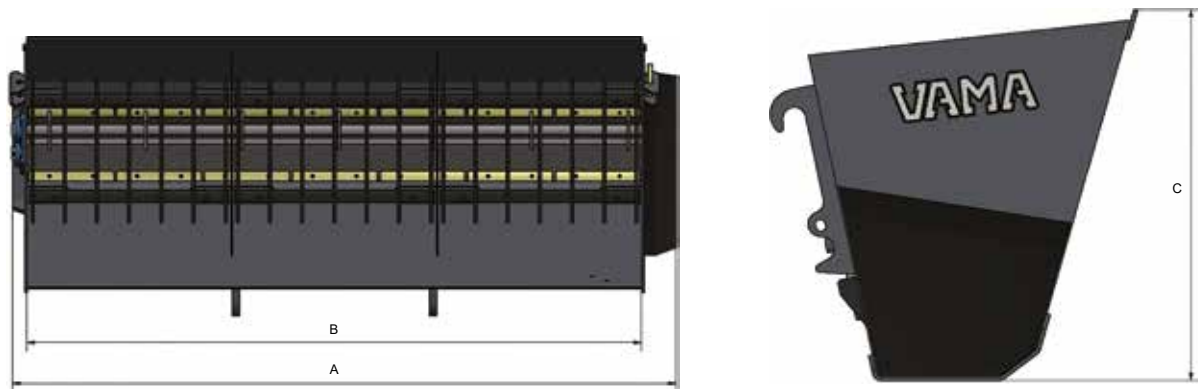


Winged buckets



Model	Weight	Max. Depth (A)	Max. Overall Length (B)	Bucket width (C)	Max. Width (D)	Width of wings front (E)	Height (F)	Width of wing blade (G)	Volume	Volume (SAE)
EPS150L	390 kg	1000 mm	1800 mm	1575 mm	3200 mm	2650 mm	800 mm	792 mm	1,00 m³	1,16 m³
EPS170L	430 kg	1000 mm	1800 mm	1775 mm	3400 mm	2850 mm	800 mm	792 mm	1,12 m³	1,30 m³
EPS210L	510 kg	1000 mm	1800 mm	2175 mm	3800 mm	3250 mm	800 mm	792 mm	1,38 m³	1,60 m³
EPS150E	550 kg	1200 mm	1800 mm	1575 mm	3200 mm	2650 mm	1140 mm	792 mm	1,11 m³	1,31 m³
EPS170E	610 kg	1200 mm	1800 mm	1775 mm	3400 mm	2850 mm	1140 mm	792 mm	1,26 m³	1,47 m³
EPS210E	650 kg	1200 mm	1800 mm	2175 mm	3800 mm	3250 mm	1140 mm	792 mm	1,55 m³	1,81 m³
EPS225E	680 kg	1200 mm	1800 mm	2325 mm	3950 mm	3400 mm	1140 mm	792 mm	1,66 m³	1,94 m³
EPS250E	700 kg	1200 mm	1800 mm	2575 mm	4250 mm	3650 mm	1140 mm	792 mm	1,85 m³	2,15 m³
EPS270E	745 kg	1200 mm	1800 mm	2775 mm	4450 mm	3850 mm	1140 mm	792 mm	2,01 m³	2,33 m³
EPS210H	865 kg	1350 mm	2040 mm	2100 mm	3710 mm	3250 mm	1140 mm	792 mm	2,27 m³	2,64 m³
EPS225H	875 kg	1350 mm	2040 mm	2325 mm	3950 mm	3400 mm	1140 mm	792 mm	2,43 m³	2,83 m³
EPS250H	910 kg	1350 mm	2040 mm	2575 mm	4250 mm	3650 mm	1140 mm	792 mm	2,70 m³	3,16 m³
EPS270H	955 kg	1350 mm	2040 mm	2775 mm	4450 mm	3850 mm	1140 mm	792 mm	3,25 m³	3,80 m³
EPS250M	1320 kg	1450 mm	2140 mm	2575 mm	4250 mm	3650 mm	1450 mm	1220 mm	4,00 m³	4,41 m³
EPS270M	1450 kg	1550 mm	2240 mm	2775 mm	4450 mm	3850 mm	1550 mm	1220 mm	5,00 m³	5,41 m³
EPS300M	1620 kg	1650 mm	2340 mm	3175 mm	4750 mm	4150 mm	1650 mm	1220 mm	6,00 m³	6,41 m³

VAMA



Gritter buckets



ETH275

Model	Weight	Width (A)	Gritter buckets (B)	Height (C)	Volume
ETH125L	270 kg	1250 mm	1200 mm	685 mm	420/500 l
ETH155L	390 kg	1550 mm	1500 mm	985 mm	750/900 l
ETH185L	480 kg	1850 mm	1800 mm	985 mm	900/1080 l
ETH215L	540 kg	2150 mm	2100 mm	985 mm	1050/1260 l
ETH255L	640 kg	2550 mm	2500 mm	985 mm	1350/1620 l
ETH150	498 kg	1700 mm	1500 mm	1175 mm	915 l
ETH180	542 kg	2000 mm	1800 mm	1175 mm	1100 l
ETH210	586 kg	2300 mm	2100 mm	1175 mm	1285 l
ETH250	650 kg	2700 mm	2500 mm	1175 mm	1530 l
ETH270	680 kg	2900 mm	2700 mm	1175 mm	1650 l
Q1 FIT fittings, Weights may vary depending on the equipment.					
ETH235	858 kg	2250 mm	2100 mm	1205 mm	2250 l
ETH275	975 kg	2700 mm	2500 mm	2500 mm	2750 l
ETH295	1120 kg	2950 mm	2700 mm	1205 mm	3150 l
Weights may vary depending on the equipment.					

Gritter buckets

The VAMA gritter bucket is a powerful tool for gritting work, and it can be installed to either front lifting equipment or to the rear depending on the fitting choice. The grille at the bottom of the bucket offers additional safety, as well as prevents large frozen pieces or stones from accessing the roller. The gritting speed can be adjusted in levels with the flow control valve for optimal performance in all work situations.

Properties

- For demanding professional use
- Works with a hydraulic motor
- Mixing/crushing shaft from model ETH185L onwards
- Flow control valve with speed adjustment
- Occupational safety is increased with grilles at the bottom of the bucket
- VAMA Q1-FIT bolt-attachable fittings

Protection cover as an accessory.

Accessories

- 3-point tilting device
- Automatic quantity adjustment
- Protective cover



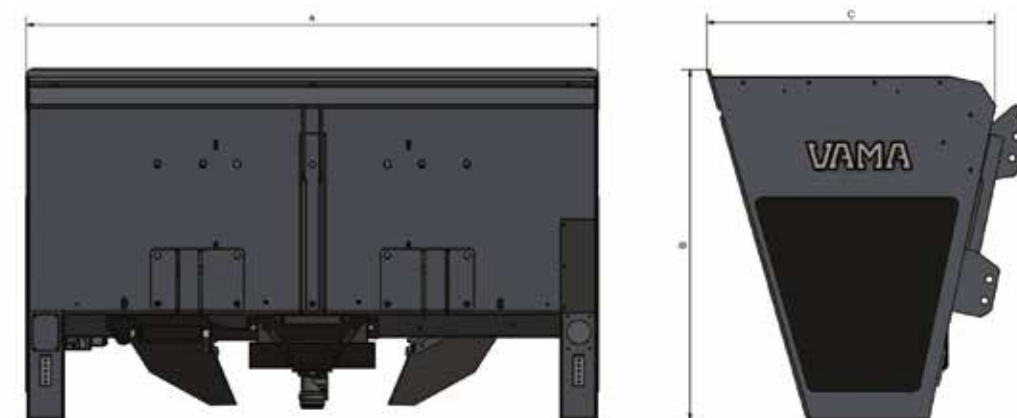


Plate gritters

Model	Weight	Width (A)	Spreading width	Height (B)	Volume	Required oil (min/max)
ETH1200D	615 kg	1780 mm	2-10 m	1280 mm	1200 l	40-60 l/min
ETH1400D	656 kg	2080 mm	2-10 m	1280 mm	1400 l	40-60 l/min
ETH2300D	1050 kg	2380 mm	2-10 m	1530 mm	2300 l	40-120 l/min



Plate gritters

Efficient prevention of slippery conditions for professionals. The VAMA plate gritters are equipped with a crushing shaft, spiral feed and spreading plate, which spreads the material evenly across the chosen area at a selected width and quantity. All models are equipped with electrically operated hydraulics adjustment of the spreading quantity and width. Q1-Fit bolt-attachable fittings as standard.



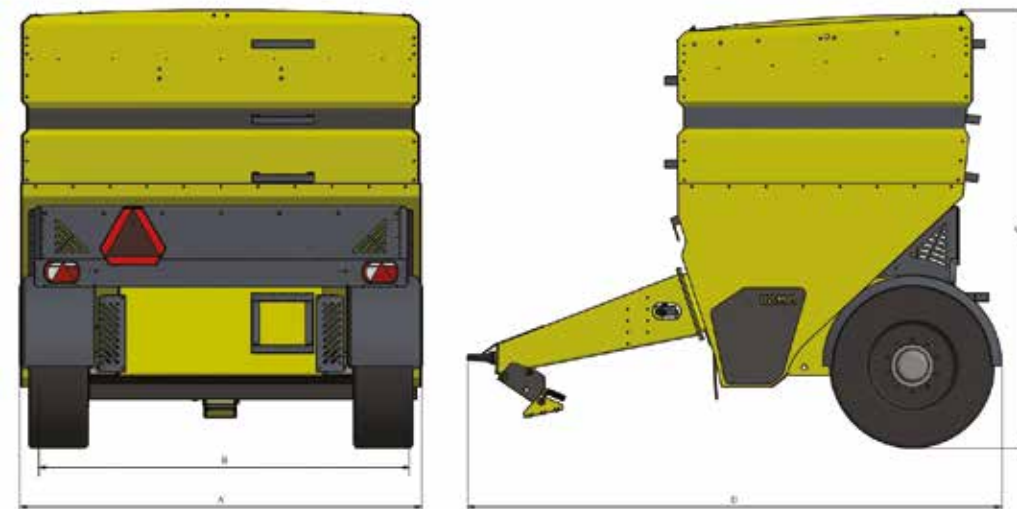
Properties

- Bucher and Danfoss hydraulics
- Mixing / crushing shaft
- Adjustable spreading width and material quantity
- Electrical control from the cabin
- Safety grille at the base of the bucket
- Fast centralised lubrication points
- Can be equipped with several different accessories, such as protective cover, automatic control.
- The hydraulic adjustment of the spreading pattern is available as an accessory





VAMA



Hiekoitinvaunut

Model	Weight	Width (A)	Gritting width (B)	Height (C)	Tilavuus	Length (D)	Tyre size
TH1600L	950 kg	1700 mm	1500 mm	1140 mm	1600 l	2850 mm	10/75-15.3
TH2200L	1350 kg	2000 mm	1800 mm	1540 mm	2200 l	3050 mm	400/60-15.5
TH3000L	1590 kg	2000 mm	1800 mm	2250 mm	3000 l	3050 mm	400/60-15.5
TH3500L	1900 kg	2550 mm	2400 mm	2250 mm	3500 l	3150 mm	400/60-15.5
TH5500L	2300 kg	2550 mm	2400 mm	2250 mm	5500 l	3150 mm	385/65-22.5
TH7500L	2750 kg	2550 mm	2400 mm	2750 mm	7500 l	3150 mm	385/65-22.5
TH8000L	2800 kg	2550 mm	2400 mm	2870 mm	8000 l	3150 mm	385/65-22.5

Weights may vary depending on the equipment

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Towable gritters

The VAMA towable gritters are sturdy gritting trailers designed for demanding professional use. Due to their large capacity they can be used to large areas at once, so they are extremely powerful tools for gritting. There are several accessories available for the VAMA towable gritters for different purposes of use. The adequately designed frame allows the full use of the gritter's gritting capacity, as all the gravel can drain into the crusher/mixer shaft and it does not remain on top of the structures..

Properties

- Stepless spreading speed control valve
- Hydraulic motor
- Mixing shaft
- Protective grille at the bottom of the trailer
- Support stand
- LED side lights and rear lights
- TH models are equipped with brakes as standard.
No - in TH1600L models.

Accessories

- Fast protective cover
- Brakes
- Shovel holder
- Central lubrication
- Bottom heater (hydraulic)
- Vibration
- Ball towing device
- Automatic quantity adjustment
- GPS tracking

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VAMA THASC automatic quantity adjustment

- THASC automatically adjusts the amount of grit in relation to the driving speed.
- The controller is used to set the desired grit amount (250g/m2), the controller automatically controls the amount of grit according to the speed of the vehicle
 - The specifications of three different materials can be stored on the controller
 - The controller has meters for both material and kilometres.

Functions

- Automatic drive
- Manual drive
- Emptying
- Working light control (opt.)
- Lighthouse control (opt.)
- Vibration control (opt.)
- GPRS data collection/reporting (opt.)



THAGS12 Automatic lubrication system

SSKF TLMR lubrication equipment is excellently suited for difficult-to-access lubrication sites, and they can withstand moisture, dust and vibration. The new lubrication equipment achieve a spraying pressure of up to 435 psi (30 bar) and they operate reliably in temperatures that vary between -25 to +70 Celsius degrees. TLMR 201 operates with 12 or 24 volt direct current. Both models are available with 120 millilitre or 380 millilitre exchangeable lubrication tanks for sites that consume a lot of lubricant.



Vibration motorst

VAMA hydraulic vibration motors have been designed for the demanding mobile use of rolling stock. Due to the comprehensive range of models, vibration motors can be used in many applications.

Intended uses

- Vehicle platforms and demountable platforms
- Hook devices
- Asphalt industry and industrial silos
- Gritters and grit silos..

Properties

- Rolling stock applications
- Wide flow are
- Wide performance area
- Small physical size

Model	Weight	Width (A)	Height (B)	Length (C)	Oil/Flow	Vibration/Newton	Max. flow / opt.
THHMOV40	28 kg	160 mm	160 mm	640 mm	45 l/min	3000-7000	250 l/min
THHMOV50	35 kg	160 mm	160 mm	760 mm	45 l/min	3000-9000	250 l/min
THHMOV80	55 kg	200 mm	200 mm	800 mm	45 l/min	10000-30000	250 l/min
THHMOV100	65 kg	200 mm	200 mm	850 mm	45 l/min	15000-35000	250 l/min

Accessories

- Power control valve
- Flow limiter
- Attachments





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Collecting sweeper machines

The VAMA sweeper machines are very easy to use. The sweeper machine is suitable for all tractors due to its simple operating principle. There are two kinds of structure types, which differ in respect of their waste container mechanism.

In the EHK models, the container opens at the bottom, while in the EHK/A models the container opens upwards at the front. The sweeper machine's structure is solid, so the machine is durable and long lasting.

The tractor requires a single 2-way hydraulic connection.

Standard equipment

- Rotation of the main brush, rotation of the side brushes; opening of the container
- Right-side side brush
- Beeline brush discs
- Side brush with steel reinforcement
- ± 100 mm floating
- EHK models have a base-opening tank
- EHK/A models have an upwards-opening tank, which allows for a low emptying height
- EHK/A models can also be used as an open brush
- VAMA Q1-FIT bolt-attachable fittings

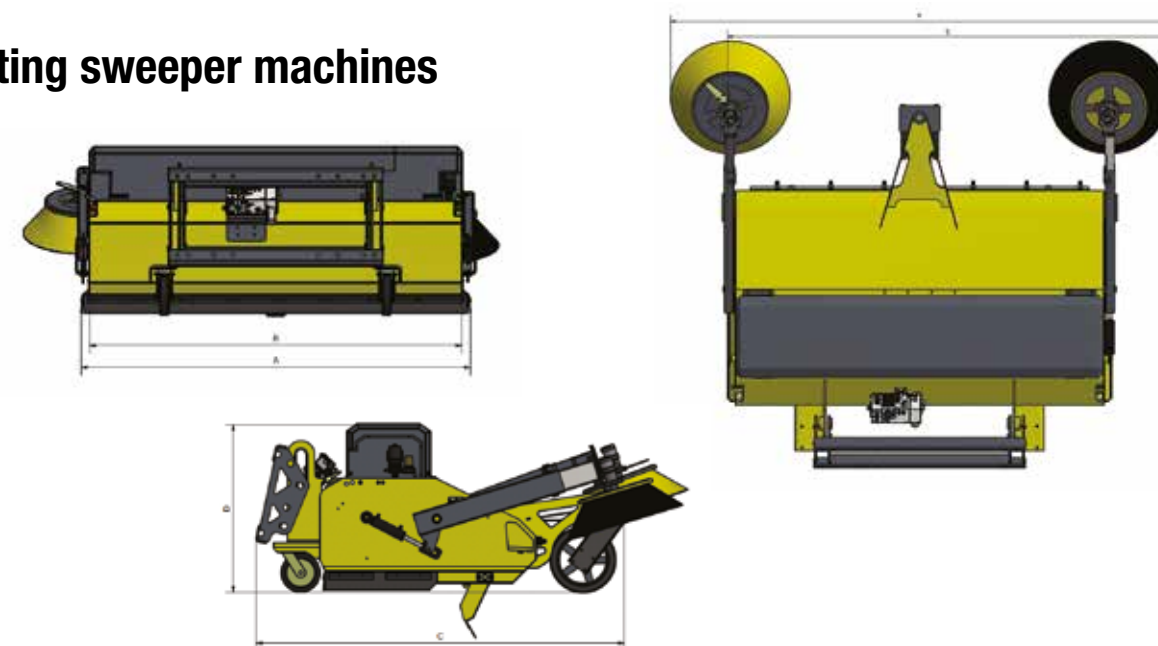
Accessories

- Left side brush
- Water tank
- Irrigation system (requires electrical connection at the front of the tractor)
- 1500 litre water tank to 3-point fixings
- High-pressure dust suppression (hydraulic)
- Pressure washing system
- Wire bristles (airports)

Hydraulic lift of side brushes

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Collecting sweeper machines

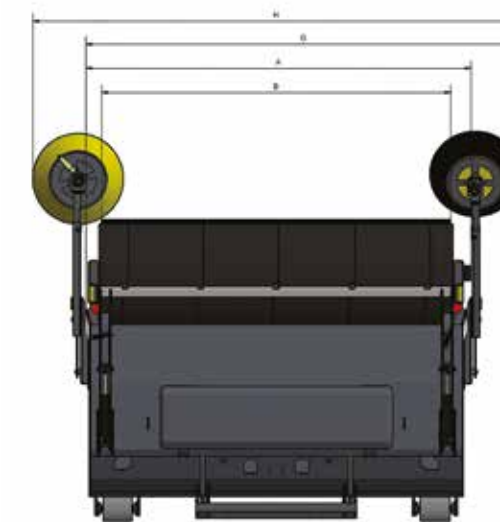
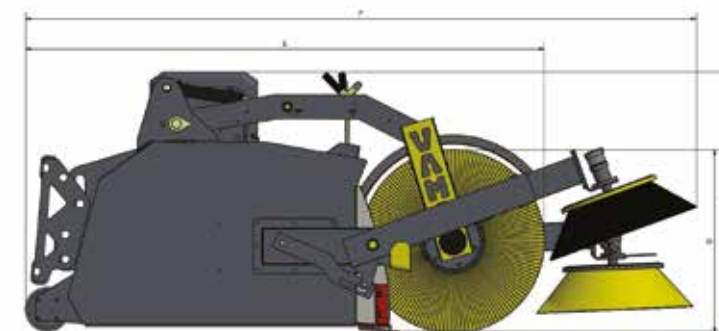


Model	Weight	Width (A)	Main brush width (B)	with 1/2 side brushes	Ø Main brush (C)
EHK/A 1200	520 kg	1290 mm	1000 mm	1490/2040 mm	600 mm
EHK/A 1600	675 kg	1690 mm	1400 mm	1890/2440 mm	600 mm
EHK/A 2000	760 kg	2090 mm	1800 mm	2290/2840 mm	600 mm
EHK/A 2400	900 kg	2490 mm	2200 mm	2790/3270 mm	600 mm
EHK 1800	800 kg	2180 mm	1800 mm	2390/2870 mm	700 mm
EHK 2200	960 kg	2580 mm	2200 mm	2790/3270 mm	700 mm

Weights may vary depending on the equipment



Kauhaharjat



Model	Weight	Overall Width (A)	Brush width (B)	With side brush	With 2 side brushes	Height (C)	Diameter of brush roller (D)	Volume	Hydraulic production
EHK1500L	420 kg	1750 mm	1500 mm	2200 mm	2650 mm	940 mm	700 mm	640 l	45-220 l/min
EHK1700L	450 kg	1950 mm	1700 mm	2400 mm	2850 mm	940 mm	700 mm	720 l	45-220 l/min
EHK2000L	550 kg	2250 mm	2000 mm	2700 mm	3150 mm	940 mm	700 mm	840 l	45-220 l/min
EHK1500	500 kg	1750 mm	1500 mm	2200 mm	2650 mm	1125 mm	915 mm	1300 l	45-220 l/min
EHK1700	650 kg	1950 mm	1700 mm	2400 mm	2850 mm	1125 mm	915 mm	1450 l	45-220 l/min
EHK2000	750 kg	2250 mm	2000 mm	2700 mm	3150 mm	1125 mm	700 mm	1700 l	45-220 l/min
EHK2500K	1200 kg	2750 mm	2500 mm	3200 mm	3650 mm	1260 mm	915 mm	3200 l	45-220 l/min
EHK3000K	1400 kg	3250 mm	3000 mm	3700 mm	4150 mm	1260 mm	915 mm	3800 l	85-250 l/min
EHK3500K	1850 kg	3750 mm	3500 mm	4200 mm	4650 mm	1260 mm	915 mm	4500 l	85-250 l/min

Weights may vary depending on the equipment

Bucket brushes

The VAMA bucket brushes are particularly well suited for industrial and other large area cleaning. Large pieces can be quickly and efficiently collected when driving forward, and by reversing the smaller debris can be collected, and get the best accuracy. The work is effective due to, for example, the large waste container volume, which enables less frequent emptying intervals.

Properties

- Hydraulic oil need approx. 65 l/min
- Available for all standard front loaders
- Hydraulic lifting the brush roller
- Manual fine-tuning of the brushing height
- Replaceable bolt-attachable lip plate
- ± 60 mm floating at fitting frame
- Support rollers on bucket as standard (NOT EHK1500)
- VAMA Q1-FIT bolt-attachable fittings

Accessories

- Water tank
- Irrigation system (requires electrical connection at the front of the tractor)
- Side brushes 1 or 2 pcs
- Hydraulic lift of the side brush
- Vibration, facilitates emptying
- Support rollers
- Rotation fitting
- High-pressure dust suppression (hydraulic)
- Pressure washing system
- Wire bristles (airports)





Bucket brush accessories

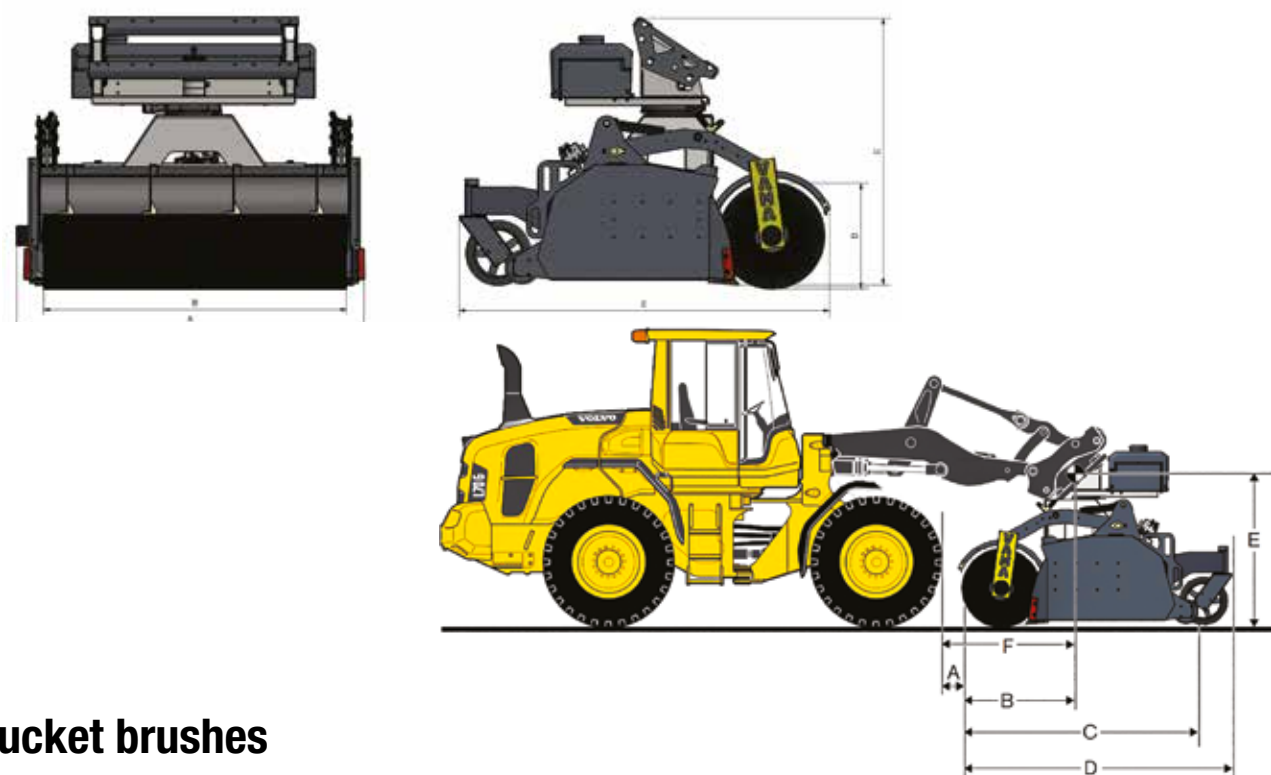
The VAMA bucket brush can be equipped with an upper excavator attachment. The attachment is available for EHK1500L EHK3000 model bucket brushes.

The bucket brush can be used simultaneously with both fittings, the upper excavator fitting and the front loader fitting.



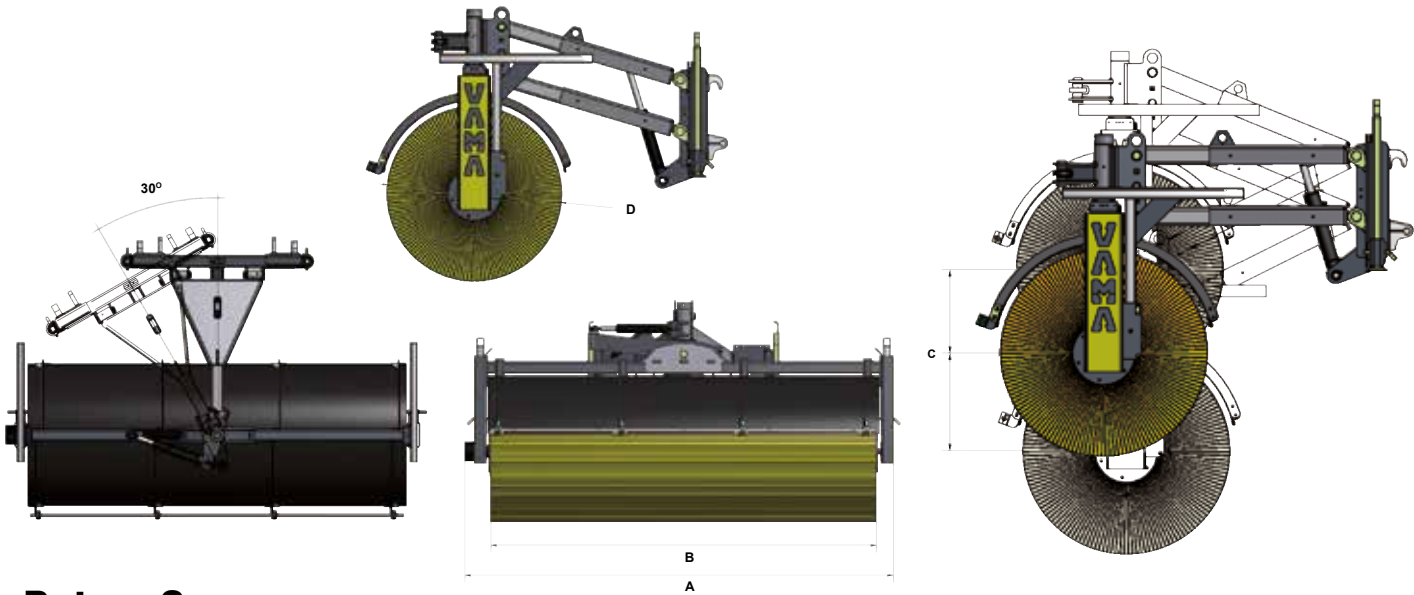
Model	Weight	Fitting	Floating (A)	Height (B)	Suitability
EHK170EX	75 kg	Q5FIT	+/-60 mm	+/-60 mm	EHK1500L / EHK1500
EHK200EX	125 kg	Q1FIT	+/-60 mm	+/-60 mm	EHK1500L / EHK2000
EHK205EX	195 kg	Q1FIT	+/-60 mm	+/-60 mm	EHK1700L / EHK3000

Weights may vary depending on the equipment



Bucket brushes

Model	Weight	Overall Width (A)	Brush width (B)	With side brush	With 2 side brushes	Height (C)	Diameter of brush roller (D)	Volyme
EHK1700 roto	800 kg	1950 mm	1700 mm	2400 mm	2850 mm	1925 mm	700 mm	1450 l
EHK2000 roto	900 kg	2250 mm	2000 mm	2700 mm	3150 mm	1925 mm	700 mm	1700 l
EHK2500 roto	1400 kg	2750 mm	2500 mm	2700 mm	3150 mm	1925 mm	915 mm	3200 l
EHK3000 roto	2300 kg	3250 mm	3000 mm	3700 mm	4150 mm	2225 mm	915 mm	3800 l
EHK3500 roto	2900 kg	3750 mm	3500 mm	4200 mm	4650 mm	2225 mm	915 mm	4500 l



Rotary Sweepers

Model	Weight	Width (A)	Brush width (B)	With folded brush	Floating (C)	Diameter of brush roller (D)	Hydraulics
EHA1800L	350 kg	2000 mm	1800 mm	1550 mm	+/-300 mm	700 mm	45 l/min
EHA2200L	380 kg	2400 mm	2200 mm	1750 mm	+/-300 mm	700 mm	45 l/min
EHA2500L	400 kg	2700 mm	2200 mm	2050 mm	+/-300 mm	700 mm	45 l/min
EHA2500	500 kg	2700 mm	2500 mm	2250 mm	+/-400 mm	915 mm	75/160 l/min
EHA3000	565 kg	3200 mm	3000 mm	2750 mm	+/-400 mm	915 mm	75/160 l/min
EHA3500	675 kg	3700 mm	3500 mm	3150 mm	+/-400 mm	915 mm	75/160 l/min
EHA4000	720 kg	4200 mm	4000 mm	3650 mm	+/-300 mm	700 mm	90/180 l/min
EHA4500	820 kg	4700 mm	4500 mm	4150 mm	+/-400 mm	915 mm	90/180 l/min
EHA5000	925 kg	5200 mm	5000 mm	4650 mm	+/-400 mm	915 mm	90/180 l/min

Weights may vary depending on the equipment

Rotary Sweepers

The VAMA rotary sweepers are effective tools for year-round variable sweeping work. The rotary sweepers are suitable for several types of industrial equipment and can be fitted with a wide range of accessories. The rotary sweeper has a hydraulic brushing angle adjustment, floating tilt, as well as a large vertical float.

Properties

- Beeline brush discs
- Hydraulic rotation of the brush
- Support feet
- Hydraulic oil need approx. 50l/min
- Hydraulic rotation +/-
- Available for all standard front loaders
- The rotary sweepers have a large vertical float
- VAMA Q4-FIT bolt-attachable fittings! (only rotary sweepers have Q4-FIT)

Accessories

- Irrigation system (12/24 vdc)
- Water tank options 350, 540 or 1500 litres
- Water tank options 350, 540 or 1500 litres
- Flow control valve
- High-pressure dust suppression (hydraulic)
- Wire bristles (airports, industrial)



Water tanks and accessories



EHA200HP High-pressure dust suppression

Model	Volume	Width	Length	Height	Weight
EHA350L	350 l	1700 mm	450 mm	500 mm	45 kg
EHA540L	540 l	1800 mm	550 mm	1250 mm	130 kg
EHK1500L	1500 l	1850 mm	950 mm	1900 mm	220 kg
EHA200D	HIGH PRESSURE WASHER WITH HOSE REEL				55 kg
EHA200HP	HIGH PRESSURE DUST SUPPRESSION				35 kg



WATER TANK EHK1500L + HIGH PRESSURE WASHER EHA200D



WATER TANK EHA540L + High pressure washer EHA200D



Water tank EHA350L Rotary sweeper EHA3000



Water tank EHA540L + Rotary Sweeper EHA3000



VAMA



Roller Sweepers - Cable brushes

VAMA Roller sweepers are a professional choice for demanding locations. The roller sweepers have been designed to be used with excavators and excavator combinations. The roller sweepers are excellently suited for cleaning difficult-to-access locations, as well as for occasional sweeping needs in road and construction sites. Roller sweepers can also be installed to vehicle cranes, so that clearing snow from roofs is safe and efficient

Properties

- Beeline brush lamellas
- Quick attachment brush roller
- Support feet
- Mudguard
- Free valve
- VAMA Q5-FIT fittings

Model	Weight	Width (A)	Brush Width (B)	Diameter of brush roller (D)	Hydraulics
Cable brushes					
EHA200	160 kg	400 mm	200 mm	915 mm	75 l/min
EHA400	170 kg	400 mm	400 mm	915 mm	75 l/min
Roller Sweepers					
EHA600	180 kg	800 mm	600 mm	915 mm	75 l/min
EHA800	190 kg	1000 mm	800 mm	915 mm	75 l/min
EHA1000	200 kg	1200 mm	1000 mm	915 mm	75 l/min
EHA1500	250 kg	1700 mm	1500 mm	915 mm	75 l/min
EHA2000	400 kg	2200 mm	2000 mm	915 mm	75 l/min
EHA2500	455 kg	2700 mm	2500 mm	915 mm	75 l/min

Weights may vary depending on the equipment.



Road pressure washer

VAMA High pressure road washers are a professional choice for demanding locations. The high pressure washer is extremely versatile and it can be used to wash large yard areas as well as smaller individual areas and outdoor furniture. Easy and quick to attach to loaders, small loaders, tractors and trucks. In addition to this, there are several models of the road pressure washer, which offer versatile properties. The pressure washer can be equipped with a handle and hose reel 20 m.

Road high pressure washer

Model
EHA165SW VAMA road pressure washer shaft for front loader nozzles 412 pcs
EHA200LP VAMA high pressure handle with hose reel 20 m
EHA280HP VAMA high pressure pump KIT Dynaset 150-250bar (1350 l/min)
EHK1500L VAMA 1500L 3-point tank for lifting equipment

Weights may vary depending on the equipment.



Snow stake collector machine

- The snow stake collector's functions happen automatically.
- The collector can be started up and is stopped conveniently from the cabin.
- The collector is placed on the platform or a truck or lorry, or on a trailer
- On motorways collecting can be done on both sides, parallel to the traffic
- No protruding parts during transportation
- Powered by air-cooled internal combustion engine 4kW
- Required electrical current from the car
- Large opening angle for the marker clamp
- It only takes a few seconds to lift the marker and drop it in the container

Engine power	4 kW	Width	1200-2000 mm
Hydraulics	100 bar	Height	800-1000 mm
Operating voltage	12/24 V	Length	1250 mm
Driving speed (max.)	30 km/h	Weight	250 kg



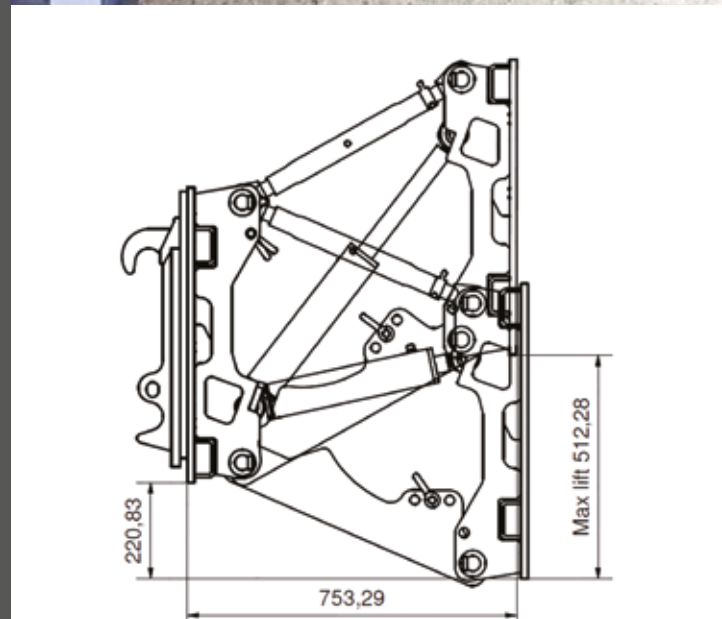
Ploughing poles automatic placement

- The ploughing poles automatic placement machine is easy and quick to install on the vehicle by using the vehicle's own crane. This signposting machine that can be fitted to a lightweight truck can also be fitted to a lorry, wheel loader and tractor by using fittings.
- The machine can be used to install the ploughing signposts in the direction of traffic on the left side of the motorway as well.
- The ploughing signpost machine's cycle is started by the driver from the control panel inside the cabin. At the beginning of the cycle, the automatics moves the spike approx. 30 cm away from the side of the machine. The spike rotates during the insertion. The pressing blade compressed the signpost firmly in the ground and the same time slightly tilts the post towards the road.
- When the spike hits, for example, a stone, the machine automatically lifts the spike and the indicator light on the control panel in the cabin informs the driver of an obstacle.
- The machine can be used to pitch plastic, bamboo and wooden posts. Measuring poles used in road paving work can be installed with this machine.

Transfer width	3000 mm	Cycle time	8-12 s
Weight	950 kg	Common Working speed	Round 150 pole/ h
Operating voltage	24 V (accessory 12 V)	Stick magazine loading time	6-10 min.
Hydraulic oil Flow - Pressure	50-70 l/min - 150 bar	Stick magazine size	150-200 pcs.
Drilling depth	300 mm		



VAMA



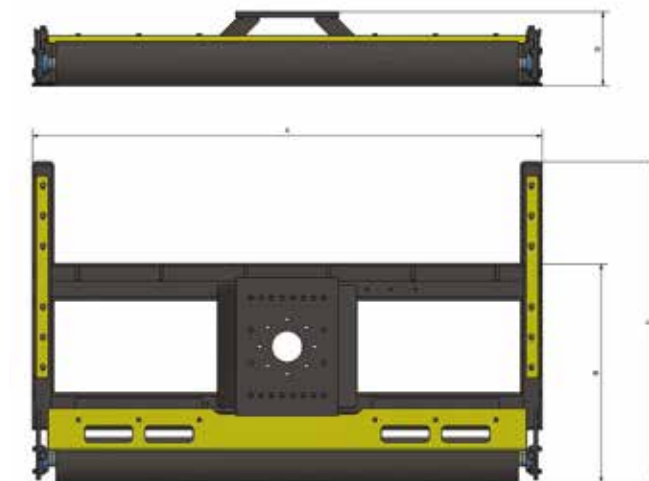
Front lifting device

The VAMA front lifting device is a professional choice for demanding ploughing and brushing applications. The lifting device is extremely diverse and it can be used together with VAMA ploughs. The lifting device can also be used to attach an open sweeper to the ploughing bumper of a truck. The lifting device has an adjustable 4-link arm set, which can be used to fine tune the lifting angle. Both ends have bolt-attachable fitting components for the plough and the basic unit.

VAMA EN lifting devices

Model	Lift	Length	Fitting	Weight
EN350 VAMA Front lifting device	512 mm	753 mm	Q1FIT	320 kg
EN360 VAMA Front lifting device	512 mm	753 mm	Q1FIT	400 kg

Weights may vary depending on the equipment



Levelling beams

Intended uses

The levelling beams allow large surfaces to be levelled quickly and efficiently.

- Safe and smart levelling of slopes and inclined surfaces
- Efficient levelling of surfaces increases productivity.

Properties

- For 235-tonne equipment
- Easy attachment bolt-attachable fitting
- Quick, efficient and affordable way of levelling surfaces
- Sturdy structure Hardox 500 wear plates at the lower surface of the beam
- Extendable side beams
- Adjustable compressing roller
- VAMA Q5FIT bolt-attachable fittings

Model	Weight	Width	Diameter of rear roller	Depth	Extendable sides
ETP1250	198 kg	1250 mm	220 mm	1050 mm	350 mm
ETP1500	235 kg	1500 mm	220 mm	1050 mm	350 mm
ETP2000	485 kg	2000 mm	220 mm	1050 mm	500 mm
ETP2300	530 kg	2000 mm	220 mm	1050 mm	500 mm
ETP2500	570 kg	2500 mm	220 mm	1050 mm	500 mm
ETP3000	655 kg	3000 mm	220 mm	1050 mm	500 mm

Weights may vary depending on the equipment



VAMA



VAMA TPJ 1750 Hard shoulder miller

VAMA side remover

Properties

- The same device can be used to level any irregular soil that has been moved to the slip way
- The blades used are hard-wearing and replaceable pin blades
- The rotating speed and blade structure allow even better grinding of the soil.



Hydraulic ground- compressing plates

Intended uses

- Excavations and ground compressions
- Safe compression of slopes and inclined surfaces
- Installation and lifting of bales and planks.

Properties

- For 1-40-tonne equipment
- Easy attachment - does not require special installation or Separate overflow line
- Quick, efficient and affordable way of compressing
- Tilted frame plates - better power distribution
- Tilted rubber - less load and wear
- The flow distribution valve prevents overloading
- Adjustable due to bolt-attachable fitting plate
- VAMA Q5-FIT bolt-attachable fittings

Accessories

- Filler plates
- Hydraulic rotator
- Fitting components
- Hydraulic bale grab
- Bale guide
- Various baseboards



Model	Weight	Weight category	Compression strength	Impact frequency	Board surface are	Board size	Height
EHC16	165 kg	1-3 tn	1,5 tn	2100 n/min	0,17 m²	L 300 x P 725 mm	480 mm
EHC35	325 kg	3-8 tn	2,4 tn	2200 n/min	0,31 m²	L 475 x P 845 mm	610 mm
EHC45	435 kg	4-10 tn	3,7 tn	2200 n/min	0,40 m²	L 610 x P 930 mm	610 mm
EHC85	885 kg	9-20 tn	7,4 tn	2200 n/min	0,68 m²	L 710 x P 1270 mm	760 mm
EHC115	1140 kg	20-40 tn	10,6 tn	2200 n/min	0,90 m²	L 865 x P 1370 mm	780 mm

Weights may vary depending on the equipment.

Hard shoulder miller

Model	Working width	Width Turned	Rotor	Performance area	Weight
TPJ1750	1670 mm	1670/3400 mm	345 mm	90-140 hv	1280 kg

Weights may vary depending on the equipment.



vamaproduct.com



ROAD BLADES

STRAIGHT Plane/indented blades

THICKNESS 10 mm

PRODUCT	NAME L x W x H	HOLE INTERVAL mm	Weight kg	Note
TE001-10	T/H 692 x 200 x 10	305	10	1-part
TE002-10	T/H 792 x 200 x 10	305	11	1-part
TE003-10	T/H 892 x 200 x 10	305	12	1-part
TE004-10	T/H 915 x 200 x 10	305	13	1-part
TE036-10	T/H 1220 x 200 x 10	305	17	1-part
TE037-10	T/H 1425 x 200 x 10	305	20	1-part
TE038-10	T/H 1525 x 200 x 10	305	21	1-part
TEV01-10	T/H 2100 x 200 x 10	290 / 305	29	1-part
TEV02-10	T/H 2250 x 200 x 10	290 / 305	32	1-part
TEV03-10	T/H 2500 x 200 x 10	290 / 305	35	2-parts
TEV04-10	T/H 3000 x 200 x 10	290 / 305	42	2-parts
TE014-10	T/H 3250 x 200 x 10	305	45	2-parts
TE019-10	T/H 3300 x 200 x 10	305	46	2-parts
TE015-10	T/H 3490 x 200 x 10	305	49	2-parts
TE016-10	T/H 3800 x 200 x 10	305	53	2-parts

THICKNESS 12 mm

PRODUCT	NAME L x W x H	HOLE INTERVAL mm	Weight kg	Note
TE001-12	T/H 692 x 200 x 12	305	12	1-part
TE002-12	T/H 792 x 200 x 12	305	13	1-part
TE003-12	T/H 892 x 200 x 12	305	14	1-part
TE004-12	T/H 915 x 200 x 12	305	16	1-part
TE036-12	T/H 1220 x 200 x 12	305	20	1-part
TE037-12	T/H 1425 x 200 x 12	305	24	1-part
TE038-12	T/H 1525 x 200 x 12	305	25	1-part
TEV01-12	T/H 2100 x 200 x 12	290 / 305	35	1-part
TEV03-12	T/H 2500 x 200 x 12	290 / 305	42	2-parts
TEV04-12	T/H 3000 x 200 x 12	290 / 305	50	2-parts
TE014-12	T/H 3250 x 200 x 12	305	54	2-parts
TE019-12	T/H 3300 x 200 x 12	305	55	2-parts
TE015-12	T/H 3490 x 200 x 12	305	58	2-parts
TE016-12	T/H 3800 x 200 x 12	305	64	2-parts

THICKNESS 16 mm

PRODUCT	NAME L x W x H	HOLE INTERVAL mm	Weight kg	Note
TE001-16	T/H 692 x 200 x 16	305	16	1-part
TE002-16	T/H 792 x 200 x 16	305	18	1-part
TE003-16	T/H 892 x 200 x 16	305	19	1-part
TE004-16	T/H 915 x 200 x 16	305	21	1-part
TE036-16	T/H 1220 x 200 x 16	305	27	1-part
TE037-16	T/H 1425 x 200 x 16	305	32	1-part
TE038-16	T/H 1525 x 200 x 16	305	34	1-part
TEV01-16	T/H 2100 x 200 x 16	290 / 305	47	1-part
TEV03-16	T/H 2500 x 200 x 16	290 / 305	56	2-parts
TEV04-16	T/H 3000 x 200 x 16	290 / 305	67	2-parts
TE014-16	T/H 3250 x 200 x 16	305	73	2-parts
TE019-16	T/H 3300 x 200 x 16	305	74	2-parts
TE015-16	T/H 3490 x 200 x 16	305	78	2-parts
TE016-16	T/H 3800 x 200 x 16	305	85	2-parts

STRAIGHT Indented/indented blades

THICKNESS 10 mm

PRODUCT	NAME L x W x H	HOLE INTERVAL mm	Weight kg	Note
TE081-10	H/H 692 x 200 x 10	305	7	1-part
TE082-10	H/H 792 x 200 x 10	305	8	1-part
TE083-10	H/H 892 x 200 x 10	305	9	1-part
TE084-10	H/H 915 x 200 x 10	305	9	1-part
TE136-10	H/H 1220 x 200 x 10	305	12	1-part
TE137-10	H/H 1425 x 200 x 10	305	14	1-part
TE138-10	H/H 1525 x 200 x 10	305	15	1-part
TEV09-10	H/H 2100 x 200 x 10	290 / 305	21	1-part
TEV10-10	H/H 2250 x 200 x 10	290 / 305	29	1-part
TEV11-10	H/H 2500 x 200 x 10	290 / 305	32	2-parts
TEV12-10	H/H 3000 x 200 x 10	290 / 305	38	2-parts
TE094-10	H/H 3250 x 200 x 10	305	41	2-parts
TE097-10	H/H 3300 x 200 x 10	305	42	2-parts
TE095-10	H/H 3490 x 200 x 10	305	44	2-parts
TE096-10	H/H 3800 x 200 x 10	305	48	2-parts

THICKNESS 12 mm

PRODUCT	NAME L x W x H	HOLE INTERVAL mm	Weight kg	Note
TE081-12	H/H 692 x 200 x 12	305	8	1-part
TE082-12	H/H 792 x 200 x 12	305	10	1-part
TE083-12	H/H 892 x 200 x 12	305	11	1-part
TE084-12	H/H 915 x 200 x 12	305	12	1-part
TE136-12	H/H 1220 x 200 x 12	305	14	1-part
TE137-12	H/H 1425 x 200 x 12	305	17	1-part
TE138-12	H/H 1525 x 200 x 12	305	18	1-part
TEV09-12	H/H 2100 x 200 x 12	290 / 305	25	1-part
TEV10-12	H/H 2250 x 200 x 12	290 / 305	35	1-part
TEV11-12	H/H 2500 x 200 x 12	290 / 305	38	2-parts
TEV12-12	H/H 3000 x 200 x 12	290 / 305	46	2-parts
TE094-12	H/H 3250 x 200 x 12	305	50	2-parts
TE097-12	H/H 3300 x 200 x 12	305	51	2-parts
TE095-12	H/H 3490 x 200 x 12	305	54	2-parts
TE096-12	H/H 3800 x 200 x 12	305	58	2-parts

THICKNESS 16 mm

PRODUCT	NAME L x W x H	HOLE INTERVAL mm	Weight kg	Note
TE081-16	H/H 692 x 200 x 16	305	11	1-part
TE082-16	H/H 792 x 200 x 16	305	13	1-part
TE083-16	H/H 892 x 200 x 16	305	14	1-part
TE084-16	H/H 915 x 200 x 16	305	15	1-part
TE136-16	H/H 1220 x 200 x 16	305	19	1-part
TE137-16	H/H 1425 x 200 x 16	305	22	1-part
TE138-16	H/H 1525 x 200 x 16	305	24	1-part
TEV09-16	H/H 2100 x 200 x 16	290 / 305	34	1-part
TEV10-16	H/H 2250 x 200 x 16	290 / 305	46	1-part
TEV11-16	H/H 2500 x 200 x 16	290 / 305	51	2-parts
TEV12-16	H/H 3000 x 200 x 16	290 / 305	61	2-parts
TE094-16	H/H 3250 x 200 x 16	305	66	2-parts
TE097-16	H/H 3300 x 200 x 16	305	67	2-parts
TE095-16	H/H 3490 x 200 x 16	305	71	2-parts
TE096-16	H/H 3800 x 200 x 16	305	77	2-parts

THICKNESS 20 mm

PRODUCT	NAME L x W x H	HOLE INTERVAL mm	Weight kg	Note
TE081-20	H/H 692 x 200 x 20	305	14	1-part
TE082-20	H/H 792 x 200 x 20	305	16	1-part
TE083-20	H/H 892 x 200 x 20	305	18	1-part
TE084-20	H/H 915 x 200 x 20	305	19	1-part
TE136-20	H/H 1220 x 200 x 20	305	24	1-part
TE137-20	H/H 1425 x 200 x 20	305	28	1-part
TE138-20	H/H 1525 x 200 x 20	305	30	1-part
TEV09-20	H/H 2100 x 200 x 20	290 / 305	42	1-part
TEV11-20	H/H 2500 x 200 x 20	290 / 305	64	2-parts
TEV12-20	H/H 3000 x 200 x 20	290 / 305	76	2-parts
TE094-20	H/H 3250 x 200 x 20	305	82	2-parts
TE097-20	H/H 3300 x 200 x 20	305	84	2-parts
TE095-20	H/H 3490 x 200 x 20	305	88	2-parts
TE096-20	H/H 3800 x 200 x 20	305	96	2-parts

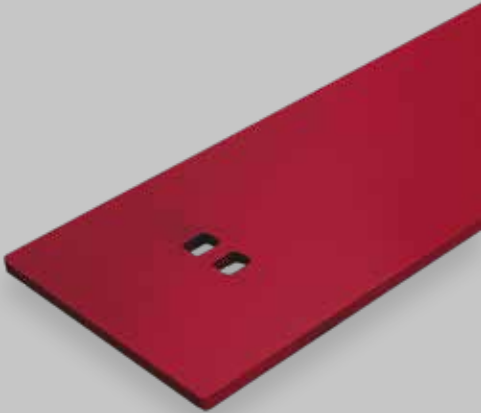
STRAIGHTPlane/plane blades

THICKNESS 10 mm

PRODUCT	NAME L x W x H	HOLE INTERVAL mm	Weight kg	Note
TE041-10	T/T 692 x 200 x 10	305	7	1-part
TE042-10	T/T 792 x 200 x 10	305	8	1-part
TE043-10	T/T 892 x 200 x 10	305	9	1-part
TE044-10	T/T 915 x 200 x 10	305	10	1-part
TE059-10	T/T 1220 x 200 x 10	305	13	1-part
TE060-10	T/T 1425 x 200 x 10	305	15	1-part
TE061-10	T/T 1525 x 200 x 10	305	16	1-part
TEV05-10	T/T 2100 x 200 x 10	290 / 305	22	1-part
TEV06-10	T/T 2250 x 200 x 10	290 / 305	34	1-part
TEV07-10	T/T 2500 x 200 x 10	290 / 305	38	2-parts
TEV08-10	T/T 3000 x 200 x 10	290 / 305	45	2-parts
TE054-10	T/T 3250 x 200 x 10	305	49	2-parts
TE057-10	T/T 3300 x 200 x 10	305	50	2-parts
TE055-10	T/T 3490 x 200 x 10	305	52	2-parts
TE056-10	T/T 3800 x 200 x 10	305	57	2-parts

THICKNESS 12 mm

PRODUCT	NAME L x W x H	HOLE INTERVAL mm	Weight kg	Note
TE041-12	T/T 692 x 200 x 12	305	8	1-part
TE042-12	T/T 792 x 200 x 12	305	10	1-part
TE043-12	T/T 892 x 200 x 12	305	11	1-part
TE044-12	T/T 915 x 200 x 12	305	12	1-part
TE059-12	T/T 1220 x 200 x 12	305	16	1-part
TE060-12	T/T 1425 x 200 x 12	305	18	1-part
TE061-12	T/T 1525 x 200 x 12	305	19	1-part
TEV05-12	T/T 2100 x 200 x 12	290 / 305	26	1-part
TEV06-12	T/T 2250 x 200 x 12	290 / 305	41	1-part
TEV07-12	T/T 2500 x 200 x 12	290 / 305	46	2-parts
TEV08-12	T/T 3000 x 200 x 12	290 / 305	54	2-parts
TE054-12	T/T 3250 x 200 x 12	305	59	2-parts
TE057-12	T/T 3300 x 200 x 12	305	60	2-parts
TE055-12	T/T 3490 x 200 x 12	305	63	2-parts
TE056-12	T/T 3800 x 200 x 12	305	68	2-parts



THICKNESS 16 mm

PRODUCT	NAME L x W x H	HOLE INTERVAL mm	Weight kg	Note
TE041-16	T/T 692 x 200 x 16	305	11	1-part
TE042-16	T/T 792 x 200 x 16	305	13	1-part
TE043-16	T/T 892 x 200 x 16	305	14	1-part
TE044-16	T/T 915 x 200 x 16	305	16	1-part
TE059-16	T/T 1220 x 200 x 16	305	21	1-part
TE060-16	T/T 1425 x 200 x 16	305	24	1-part
TE061-16	T/T 1525 x 200 x 16	305	26	1-part
TEV05-16	T/T 2100 x 200 x 16	290 / 305	35	1-part
TEV06-16	T/T 2250 x 200 x 16	290 / 305	54	1-part
TEV07-16	T/T 2500 x 200 x 16	290 / 305	61	2-parts
TEV08-16	T/T 3000 x 200 x 16	290 / 305	72	2-parts
TE054-16	T/T 3250 x 200 x 16	305	78	2-parts
TE057-16	T/T 3300 x 200 x 16	305	79	2-parts
TE055-16	T/T 3490 x 200 x 16	305	84	2-parts
TE056-16	T/T 3800 x 200 x 16	305	91	2-parts

THICKNESS 20 mm

PRODUCT	NAME L x W x H	HOLE INTERVAL mm	Weight kg	Note
TE041-20	T/T 692 x 200 x 20	305	14	1-part
TE042-20	T/T 792 x 200 x 20	305	16	1-part
TE043-20	T/T 892 x 200 x 20	305	18	1-part
TE044-20	T/T 915 x 200 x 20	305	20	1-part
TE059-20	T/T 1220 x 200 x 20	305	26	1-part
TE060-20	T/T 1425 x 200 x 20	305	30	1-part
TE061-20	T/T 1525 x 200 x 20	305	32	1-part
TEV05-20	T/T 2100 x 200 x 20	290 / 305	44	1-part
TEV07-20	T/T 2500 x 200 x 20	290 / 305	76	2-parts
TEV08-20	T/T 3000 x 200 x 20	290 / 305	90	2-parts
TE054-20	T/T 3250 x 200 x 20	305	98	2-parts
TE057-20	T/T 3300 x 200 x 20	305	99	2-parts
TE055-20	T/T 3490 x 200 x 20	305	105	2-parts
TE056-20	T/T 3800 x 200 x 20	305	114	2-parts

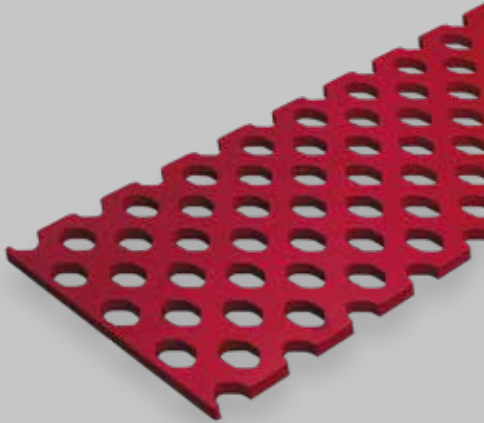
Perforated blade R500

THICKNESS 10 mm

PRODUCT	NAME L x W x H	HOLE INTERVAL mm	Weight kg	Note
TE501-10	R500 692 x 240 x 10	305	8	1-part
TE502-10	R500 792 x 240 x 10	305	9	1-part
TE504-10	R500 915 x 240 x 10	305	11	1-part
TE508-10	R500 1220 x 240 x 10	305	14	1-part
TE510-10	R500 1525 x 240 x 10	305	18	1-part
TE512-10	R500 2100 x 240 x 10	305	25	2-parts
TE514-10	R500 2500 x 240 x 10	305	29	2-parts
TE515-10	R500 3000 x 240 x 10	305	35	2-parts
TE516-10	R500 3250 x 240 x 10	305	37	2-parts
TE517-10	R500 3300 x 240 x 10	305	38	2-parts
TE518-10	R500 3490 x 240 x 10	305	40	2-parts
TE519-10	R500 3800 x 240 x 10	305	44	2-parts

THICKNESS 12 mm

PRODUCT	NAME L x W x H	HOLE INTERVAL mm	Weight kg	Note
TE501-12	R500 692 x 240 x 12	305	10	1-part
TE502-12	R500 792 x 240 x 12	305	11	1-part
TE504-12	R500 915 x 240 x 12	305	17	1-part
TE508-12	R500 1220 x 240 x 12	305	17	1-part
TE510-12	R500 1525 x 240 x 12	305	22	1-part
TE512-12	R500 2100 x 240 x 12	305	30	2-parts
TE514-12	R500 2500 x 240 x 12	305	35	2-parts
TE515-12	R500 3000 x 240 x 12	305	42	2-parts
TE516-12	R500 3250 x 240 x 12	305	44	2-parts
TE517-12	R500 3300 x 240 x 12	305	46	2-parts
TE518-12	R500 3490 x 240 x 12	305	48	2-parts
TE519-12	R500 3800 x 240 x 12	305	53	2-parts



THICKNESS 16 mm

PRODUCT	NAME L x W x H	HOLE INTERVAL mm	Weight kg	Note
TE501-16	R500 692 x 240 x 16	305	13	1-part
TE502-16	R500 792 x 240 x 16	305	15	1-part
TE504-16	R500 915 x 240 x 16	305	18	1-part
TE508-16	R500 1220 x 240 x 16	305	22	1-part
TE510-16	R500 1525 x 240 x 16	305	29	1-part
TE512-16	R500 2100 x 240 x 16	305	40	2-parts
TE514-16	R500 2500 x 240 x 16	305	46	2-parts
TE515-16	R500 3000 x 240 x 16	305	56	2-parts
TE516-16	R500 3250 x 240 x 16	305	60	2-parts
TE517-16	R500 3300 x 240 x 16	305	61	2-parts
TE518-16	R500 3490 x 240 x 16	305	64	2-parts
TE519-16	R500 3800 x 240 x 16	305	70	2-parts

WINGED SNOW BUCKET BLADES / COUNTERSUNK HOLE

COUNTERSUNK / Plane/indented blades

THICKNESS 10 mm

PRODUCT	NAME L x W x H	HOLE INTERVAL mm	Weight kg	Note
TE006-10	T/H 1500 x 200 x 10	305 COUNTERSUNK	21	1-part
TE008-10	T/H 1700 x 200 x 10	305 COUNTERSUNK	23	1-part
TE017-10	T/H 2100 x 200 x 10	305 COUNTERSUNK	29	1-part
TE020-10	T/H 2250 x 200 x 10	305 COUNTERSUNK	32	1-part
TE018-10	T/H 2500 x 200 x 10	305 COUNTERSUNK	35	1-part
TE012-10	T/H 2700 x 200 x 10	305 COUNTERSUNK	38	1-part
TE021-10	T/H 3200 x 200 x 10	305 COUNTERSUNK	45	1-part

THICKNESS 12 mm

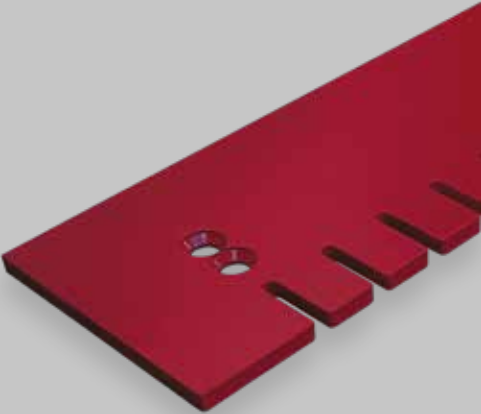
PRODUCT	NAME L x W x H	HOLE INTERVAL mm	Weight kg	Note
TE006-12	T/H 1500 x 200 x 12	305 COUNTERSUNK	25	1-part
TE008-12	T/H 1700 x 200 x 12	305 COUNTERSUNK	28	1-part
TE017-12	T/H 2100 x 200 x 12	305 COUNTERSUNK	35	1-part
TE020-12	T/H 2250 x 200 x 12	305 COUNTERSUNK	38	1-part
TE018-12	T/H 2500 x 200 x 12	305 COUNTERSUNK	42	1-part
TE012-12	T/H 2700 x 200 x 12	305 COUNTERSUNK	46	1-part
TE021-12	T/H 3200 x 200 x 12	305 COUNTERSUNK	54	1-part

THICKNESS 16 mm

PRODUCT	NAME L x W x H	HOLE INTERVAL mm	Weight kg	Note
TE006-16	T/H 1500 x 200 x 16	305 COUNTERSUNK	34	1-part
TE008-16	T/H 1700 x 200 x 16	305 COUNTERSUNK	37	1-part
TE017-16	T/H 2100 x 200 x 16	305 COUNTERSUNK	46	1-part
TE020-16	T/H 2250 x 200 x 16	305 COUNTERSUNK	51	1-part
TE018-16	T/H 2500 x 200 x 16	305 COUNTERSUNK	56	1-part
TE012-16	T/H 2700 x 200 x 16	305 COUNTERSUNK	61	1-part
TE021-16	T/H 3200 x 200 x 16	305 COUNTERSUNK	72	1-part

THICKNESS 20 mm

PRODUCT	NAME L x W x H	HOLE INTERVAL mm	Weight kg	Note
TE006-20	T/H 1500 x 200 x 20	305 COUNTERSUNK	42	1-part
TE008-20	T/H 1700 x 200 x 20	305 COUNTERSUNK	46	1-part
TE017-20	T/H 2100 x 200 x 20	305 COUNTERSUNK	58	1-part
TE020-20	T/H 2250 x 200 x 20	305 COUNTERSUNK	64	1-part
TE018-20	T/H 2500 x 200 x 20	305 COUNTERSUNK	70	1-part
TE012-20	T/H 2700 x 200 x 20	305 COUNTERSUNK	76	1-part
TE021-20	T/H 3200 x 200 x 20	305 COUNTERSUNK	90	1-part



WINGED SNOW BUCKET BLADES / COUNTERSUNK HOLE

COUNTERSUNK / Indented/indented blades

THICKNESS 10 mm

PRODUCT	NAME L x W x H	HOLE INTERVAL mm	Weight kg	Note
TE098-10	H/H 1500 x 200 x 10	305 COUNTERSUNK	15	1-part
TE099-10	H/H 1700 x 200 x 10	305 COUNTERSUNK	17	1-part
TE100-10	H/H 2100 x 200 x 10	305 COUNTERSUNK	21	1-part
TE101-10	H/H 2250 x 200 x 10	305 COUNTERSUNK	29	1-part
TE102-10	H/H 2500 x 200 x 10	305 COUNTERSUNK	32	1-part
TE103-10	H/H 2700 x 200 x 10	305 COUNTERSUNK	35	1-part
TE104-10	H/H 3200 x 200 x 10	305 COUNTERSUNK	41	1-part

THICKNESS 12 mm

PRODUCT	NAME L x W x H	HOLE INTERVAL mm	Weight kg	Note
TE098-12	H/H 1500 x 200 x 12	305 COUNTERSUNK	18	1-part
TE099-12	H/H 1700 x 200 x 12	305 COUNTERSUNK	20	1-part
TE100-12	H/H 2100 x 200 x 12	305 COUNTERSUNK	25	1-part
TE101-12	H/H 2250 x 200 x 12	305 COUNTERSUNK	35	1-part
TE102-12	H/H 2500 x 200 x 12	305 COUNTERSUNK	38	1-part
TE103-12	H/H 2700 x 200 x 12	305 COUNTERSUNK	42	1-part
TE104-12	H/H 3200 x 200 x 12	305 COUNTERSUNK	49	1-part

THICKNESS 16 mm

PRODUCT	NAME L x W x H	HOLE INTERVAL mm	Weight kg	Note
TE098-16	H/H 1500 x 200 x 16	305 COUNTERSUNK	24	1-part
TE099-16	H/H 1700 x 200 x 16	305 COUNTERSUNK	27	1-part
TE100-16	H/H 2100 x 200 x 16	305 COUNTERSUNK	34	1-part
TE101-16	H/H 2250 x 200 x 16	305 COUNTERSUNK	46	1-part
TE102-16	H/H 2500 x 200 x 16	305 COUNTERSUNK	51	1-part
TE103-16	H/H 2700 x 200 x 16	305 COUNTERSUNK	56	1-part
TE104-16	H/H 3200 x 200 x 16	305 COUNTERSUNK	66	1-part

THICKNESS 20 mm

PRODUCT	NAME L x W x H	HOLE INTERVAL mm	Weight kg	Note
TE098-20	H/H 1500 x 200 x 20	305 COUNTERSUNK	30	1-part
TE099-20	H/H 1700 x 200 x 20	305 COUNTERSUNK	34	1-part
TE100-20	H/H 2100 x 200 x 20	305 COUNTERSUNK	42	1-part
TE101-20	H/H 2250 x 200 x 20	305 COUNTERSUNK	58	1-part
TE102-20	H/H 2500 x 200 x 20	305 COUNTERSUNK	64	1-part
TE103-20	H/H 2700 x 200 x 20	305 COUNTERSUNK	70	1-part
TE104-20	H/H 3200 x 200 x 20	305 COUNTERSUNK	82	1-part

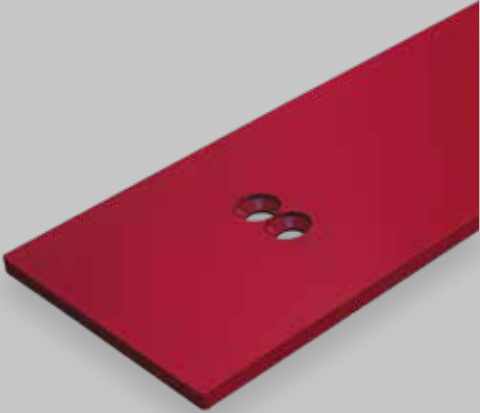
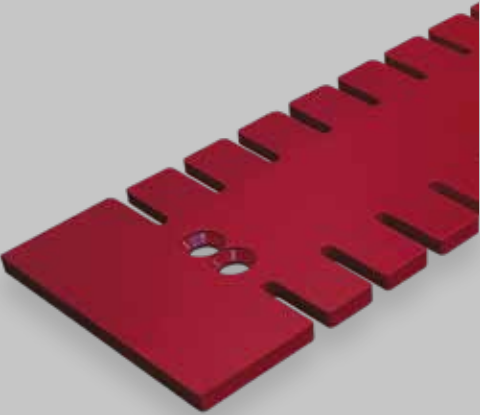
COUNTERSUNK /Plane/plane blades

THICKNESS 10 mm

PRODUCT	NAME L x W x H	HOLE INTERVAL mm	Weight kg	Note
TE074-10	T/T 1500 x 200 x 10	305 COUNTERSUNK	16	1-part
TE075-10	T/T 1700 x 200 x 10	305 COUNTERSUNK	18	1-part
TE076-10	T/T 2100 x 200 x 10	305 COUNTERSUNK	22	1-part
TE077-10	T/T 2250 x 200 x 10	305 COUNTERSUNK	34	1-part
TE078-10	T/T 2500 x 200 x 10	305 COUNTERSUNK	38	1-part
TE079-10	T/T 2700 x 200 x 10	305 COUNTERSUNK	41	1-part
TE080-10	T/T 3200 x 200 x 10	305 COUNTERSUNK	49	1-part

THICKNESS 12 mm

PRODUCT	NAME L x W x H	HOLE INTERVAL mm	Weight kg	Note
TE074-12	T/T 1500 x 200 x 12	305 COUNTERSUNK	19	1-part
TE075-12	T/T 1700 x 200 x 12	305 COUNTERSUNK	22	1-part
TE076-12	T/T 2100 x 200 x 12	305 COUNTERSUNK	26	1-part
TE077-12	T/T 2250 x 200 x 12	305 COUNTERSUNK	41	1-part
TE078-12	T/T 2500 x 200 x 12	305 COUNTERSUNK	46	1-part
TE079-12	T/T 2700 x 200 x 12	305 COUNTERSUNK	49	1-part
TE080-12	T/T 3200 x 200 x 12	305 COUNTERSUNK	59	1-part



THICKNESS 16 mm

PRODUCT	NAME L x W x H	HOLE INTERVAL mm	Weight kg	Note
TE074-16	T/T 1500 x 200 x 16	305 COUNTERSUNK	26	1-part
TE075-16	T/T 1700 x 200 x 16	305 COUNTERSUNK	29	1-part
TE076-16	T/T 2100 x 200 x 16	305 COUNTERSUNK	35	1-part
TE077-16	T/T 2250 x 200 x 16	305 COUNTERSUNK	54	1-part
TE078-16	T/T 2500 x 200 x 16	305 COUNTERSUNK	61	1-part
TE079-16	T/T 2700 x 200 x 16	305 COUNTERSUNK	66	1-part
TE080-16	T/T 3200 x 200 x 16	305 COUNTERSUNK	78	1-part

THICKNESS 20 mm

PRODUCT	NAME L x W x H	HOLE INTERVAL mm	Weight kg	Note
TE074-20	T/T 1500 x 200 x 20	305 COUNTERSUNK	32	1-part
TE075-20	T/T 1700 x 200 x 20	305 COUNTERSUNK	36	1-part
TE076-20	T/T 2100 x 200 x 20	305 COUNTERSUNK	44	1-part
TE077-20	T/T 2250 x 200 x 20	305 COUNTERSUNK	68	1-part
TE078-20	T/T 2500 x 200 x 20	305 COUNTERSUNK	76	1-part
TE079-20	T/T 2700 x 200 x 20	305 COUNTERSUNK	82	1-part
TE080-20	T/T 3200 x 200 x 20	305 COUNTERSUNK	98	1-part

ANGULAR BLADES

ANGULAR BLADE / Plane/indented blades

THICKNESS 10 mm

PRODUCT	NAME L x W x H	HOLE INTERVAL mm	Weight kg	Note
TE025-10	T/H 692 x 200 x 10	305	11	692/740
TE026-10	T/H 792 x 200 x 10	305	13	792/840
TE027-10	T/H 915 x 200 x 10	305	16	915/965
TE028-10	T/H 1220 x 200 x 10	305	21	1220/1280
TE029-10	T/H 1420 x 200 x 10	305	25	1420/1480

THICKNESS 12 mm

PRODUCT	NAME L x W x H	HOLE INTERVAL mm	Weight kg	Note
TE025-12	T/H 692 x 200 x 12	305	13	692/740
TE026-12	T/H 792 x 200 x 12	305	16	792/840
TE027-12	T/H 915 x 200 x 12	305	19	915/965
TE028-12	T/H 1220 x 200 x 12	305	25	1220/1280
TE029-12	T/H 1420 x 200 x 12	305	30	1420/1480

THICKNESS 16 mm

PRODUCT	NAME L x W x H	HOLE INTERVAL mm	Weight kg	Note
TE025-16	T/H 692 x 200 x 16	305	18	692/740
TE026-16	T/H 792 x 200 x 16	305	21	792/840
TE027-16	T/H 915 x 200 x 16	305	26	915/965
TE028-16	T/H 1220 x 200 x 16	305	34	1220/1280
TE029-16	T/H 1420 x 200 x 16	305	40	1420/1480

THICKNESS 20 mm

PRODUCT	NAME L x W x H	HOLE INTERVAL mm	Weight kg	Note
TE025-20	T/H 692 x 200 x 20	305	22	692/740
TE026-20	T/H 792 x 200 x 20	305	26	792/840
TE027-20	T/H 915 x 200 x 20	305	32	915/965
TE028-20	T/H 1220 x 200 x 20	305	42	1220/1280
TE029-20	T/H 1420 x 200 x 20	305	50	1420/1480

ANGULAR BLADES

ANGULAR BLADE / Indented/indented blades

THICKNESS 10 mm

PRODUCT	NAME L x W x H	HOLE INTERVAL mm	Weight kg	Note
TE105-10	H/H 692 x 200 x 10	305	10	692/740
TE106-10	H/H 792 x 200 x 10	305	12	792/840
TE107-10	H/H 915 x 200 x 10	305	15	915/965
TE108-10	H/H 1220 x 200 x 10	305	20	1220/1280
TE109-10	H/H 1420 x 200 x 10	305	24	1420/1480

THICKNESS 12 mm

PRODUCT	NAME L x W x H	HOLE INTERVAL mm	Weight kg	Note
TE105-12	H/H 692 x 200 x 12	305	12	692/740
TE106-12	H/H 792 x 200 x 12	305	15	792/840
TE107-12	H/H 915 x 200 x 12	305	18	915/965
TE108-12	H/H 1220 x 200 x 12	305	24	1220/1280
TE109-12	H/H 1420 x 200 x 12	305	29	1420/1480

THICKNESS 16 mm

PRODUCT	NAME L x W x H	HOLE INTERVAL mm	Weight kg	Note
TE105-16	H/H 692 x 200 x 16	305	17	692/740
TE106-16	H/H 792 x 200 x 16	305	20	792/840
TE107-16	H/H 915 x 200 x 16	305	25	915/965
TE108-16	H/H 1220 x 200 x 16	305	33	1220/1280
TE109-16	H/H 1420 x 200 x 16	305	39	1420/1480

THICKNESS 20 mm

PRODUCT	NAME L x W x H	HOLE INTERVAL mm	Weight kg	Note
TE105-20	H/H 692 x 200 x 20	305	21	692/740
TE106-20	H/H 792 x 200 x 20	305	25	792/840
TE107-20	H/H 915 x 200 x 20	305	31	915/965
TE108-20	H/H 1220 x 200 x 20	305	41	1220/1280
TE109-20	H/H 1420 x 200 x 20	305	49	1420/1480

ANGULAR BLADES

ANGULAR BLADE /Plane/plane blades

THICKNESS 10 mm

PRODUCT	NAME L x W x H	HOLE INTERVAL mm	Weight kg	Note
TE065-10	T/T 692 x 200 x 10	305	12	692/740
TE066-10	T/T 792 x 200 x 10	305	14	792/840
TE067-10	T/T 915 x 200 x 10	305	17	915/965
TE068-10	T/T 1220 x 200 x 10	305	22	1220/1280
TE069-10	T/T 1420 x 200 x 10	305	26	1420/1480

THICKNESS 12 mm

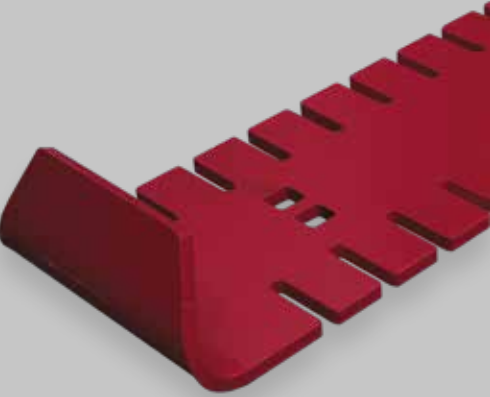
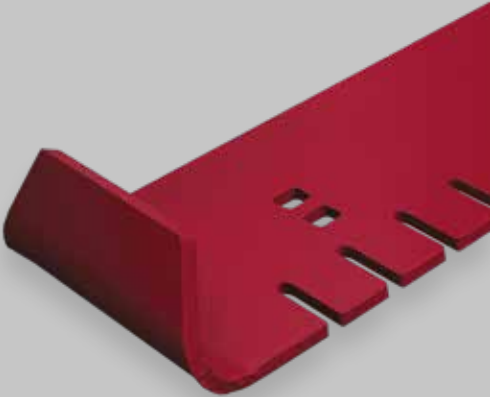
PRODUCT	NAME L x W x H	HOLE INTERVAL mm	Weight kg	Note
TE065-12	T/T 692 x 200 x 12	305	14	692/740
TE066-12	T/T 792 x 200 x 12	305	17	792/840
TE067-12	T/T 915 x 200 x 12	305	20	915/965
TE068-12	T/T 1220 x 200 x 12	305	26	1220/1280
TE069-12	T/T 1420 x 200 x 12	305	31	1420/1480

THICKNESS 16 mm

PRODUCT	NAME L x W x H	HOLE INTERVAL mm	Weight kg	Note
TE065-16	T/T 692 x 200 x 16	305	19	692/740
TE066-16	T/T 792 x 200 x 16	305	22	792/840
TE067-16	T/T 915 x 200 x 16	305	27	915/965
TE068-16	T/T 1220 x 200 x 16	305	35	1220/1280
TE069-16	T/T 1420 x 200 x 16	305	41	1420/1480

THICKNESS 20 mm

PRODUCT	NAME L x W x H	HOLE INTERVAL mm	Weight kg	Note
TE065-20	T/T 692 x 200 x 20	305	23	692/740
TE066-20	T/T 792 x 200 x 20	305	27	792/840
TE067-20	T/T 915 x 200 x 20	305	33	915/965
TE068-20	T/T 1220 x 200 x 20	305	43	1220/1280
TE069-20	T/T 1420 x 200 x 20	305	51	1420/1480



ANGULAR BLADES
ANGULAR BLADE / Hole blade R500

THICKNESS 10 mm

PRODUCT	NAME L x W x H	HOLE INTERVAL mm	Weight kg	Note
TE525-10	R500 692 x 240 x 10	305	8	692/740
TE526-10	R500 792 x 240 x 10	305	9	792/840
TE527-10	R500 915 x 240 x 10	305	11	915/965
TE528-10	R500 1220 x 240 x 10	305	14	1220/1280
TE529-10	R500 1420 x 240 x 10	305	16	1420/1480

THICKNESS 12 mm

PRODUCT	NAME L x W x H	HOLE INTERVAL mm	Weight kg	Note
TE525-12	R500 692 x 240 x 12	305	10	692/740
TE526-12	R500 792 x 240 x 12	305	11	792/840
TE527-12	R500 915 x 240 x 12	305	13	915/965
TE528-12	R500 1220 x 240 x 12	305	17	1220/1280
TE529-12	R500 1420 x 240 x 12	305	19	1420/1480

THICKNESS 16 mm

PRODUCT	NAME L x W x H	HOLE INTERVAL mm	Weight kg	Note
TE525-16	R500 692 x 240 x 16	305	13	692/740
TE526-16	R500 792 x 240 x 16	305	14	792/840
TE527-16	R500 915 x 240 x 16	305	18	915/965
TE528-16	R500 1220 x 240 x 16	305	22	1220/1280
TE529-16	R500 1420 x 240 x 16	305	26	1420/1480

TAPPITERÄRUNKO

25° ANGLE - 20 mm PIN (LOCKABLE)

PRODUCT	NAME L x W x H	HOLE INTERVAL mm	Weight kg	Note
TE250-25	610 x 130 x 16	305	18	16 x LUKITUSURA
TE251-25	915 x 130 x 16	305	24	24 x LUKITUSURA
TE252-25	1220 x 130 x 16	305	34	32 x LUKITUSURA

TAPPITERÄRUNKO

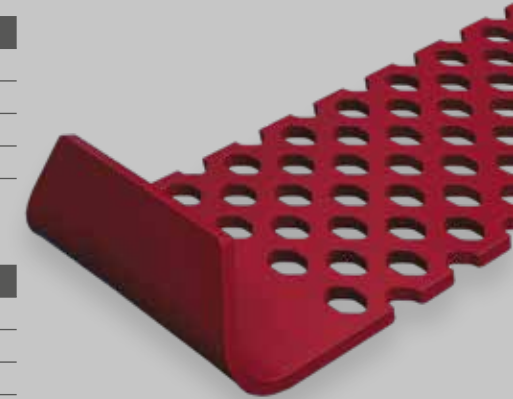
45° ANGLE - 20 mm PIN (LOCKABLE)

PRODUCT	NAME L x W x H	HOLE INTERVAL mm	Weight kg	Note
TE250-45	610 x 130 x 16	305	18	16 x LUKITUSURA
TE251-45	915 x 130 x 16	305	24	24 x LUKITUSURA
TE252-45	1220 x 130 x 16	305	34	32 x LUKITUSURA

TAPPITERÄRUNKO

P2° ANGLE - 20 mm PIN (LOCKABLE)

PRODUCT	NAME L x W x H	HOLE INTERVAL mm	Weight kg	Note
TE201-P2	2500 x 130 x 16	305	70	66 x LUKITUSURA
TE202-P2	3000 x 130 x 16	305	85	76 x LUKITUSURA



STRAIGHT PLASTIC BLADES Plane/plane blades

THICKNESS 30 mm

PRODUCT	NAME L x W x H	HOLE INTERVAL mm	Weight kg	Note
TE551-30	PE1000 692 x 200 x 30	305	8	VIHREÄ PE
TE552-30	PE1000 792 x 200 x 30	305	9	VIHREÄ PE
TE554-30	PE1000 915 x 200 x 30	305	11	VIHREÄ PE
TE558-30	PE1000 1220 x 200 x 30	305	15	VIHREÄ PE
TE559-30	PE1000 1425 x 200 x 30	305	17	VIHREÄ PE
TE560-30	PE1000 1525 x 200 x 30	305	18	VIHREÄ PE

STRAIGHT POLYURETHANE Plane/plane blades

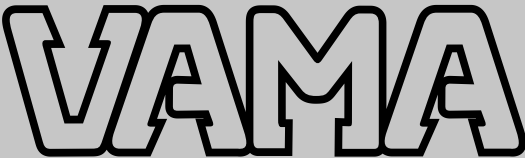
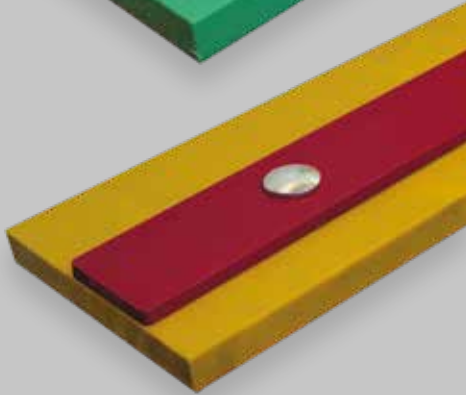
THICKNESS 25 mm

PRODUCT	NAME L x W x H	HOLE INTERVAL mm	Weight kg	Note
TE571-25	RECAT90 692 x 200 x 25	305	8	RUSKEA PU
TE572-25	RECAT90 792 x 200 x 25	305	9	RUSKEA PU
TE574-25	RECAT90 915 x 200 x 25	305	11	RUSKEA PU
TE578-25	RECAT90 1220 x 200 x 25	305	15	RUSKEA PU
TE579-25	RECAT90 1425 x 200 x 25	305	17	RUSKEA PU
TE580-25	RECAT90 1525 x 200 x 25	305	18	RUSKEA PU

PLOUGH'S PLATE FEET

THICKNESS 25 mm

PRODUCT	NAME L x W x H	HOLE INTERVAL mm	Weight kg	Note
EA312LS	Plate with lugs ø 312 x 10		5	WITH SWIVEL
EA312LK	Plate fixed ø 312 x 10		7	FIXED
AA040210	RHS inner pipe		3	WITH SPIRAL SLEEVE
AA040115	RHS outer pipe		3	WITH LUGS
AA040204	Spiral bar		2	



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