

PRODUCT CATALOG 2020





Maximize the potential of your excavator with tools and attachments from Viking Equipment. With the right equipment your machine becomes safer to use, more efficient and more flexible to work with. We offer one of the widest ranges of buckets, tiltrotators, quick couplers and a range of other accessories for all types of excavators and backhoe loaders.

Viking Equipment's mission is to supply high tech Swedish steel products to the American market.

SMP Tiltrotators are sold throughout the world, supported by a diversified network of distributors. The company's products are available through e-commerce and independent dealers, who can provide additional application sales and technical service.

Viking Equipment Inc's distribution channel is maintained by SMP Parts facilities located troughout Sweden. These locations provide technical, warehousing and sales & marketing assistance to all of its customers. SMP Parts is an ISO 9001 manufacturer with research and development based in Sweden. The company meets or exceed most international manufacturing standards and regulations.

Viking Equipment Inc products which are manufactured by SMP Parts are used by a large variety of customers daily. You will see Viking Equipment products in the general construction, railway maintenance, infrastructure projects and the mining industry to mention just a few. Customers rely on Viking Equipment to provide them with consistent and accurate results.

Viking Equipment's mission is to supply high tech Swedish steel products to the American market.

Viking Equipment We are happy to share our knowledge and experience with you

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Machines 3 - 6 tonnes

The SMP VikingWrist Improves flexibility and makes the machine more effective. It has grease lubricated gear housing, constant rotation and 40° tilt in all directions. The tiltrotator can be mounted onto the existing quick coupler or directly onto the excavator arm. Easy manoeuvering of the tiltrotator with joystick thumb rollers or rocker switch, allows the operator to easily and effectively perform advanced and precision work without having to move the machine. This also makes the work environment safer for both the operator and those working near the machine

SMP VikingWrist ST6 is supplied with complete hydraulic hoses, hydraulic connections, electric cavles, and an installation manual



Maintenance and productivity

- Improved central lubrication which can also be connected to the machine's central lubrication system.
- Lubrication free bearings which reduce the amount of lubrication points by approximately 50%.

For the user

- We offer a new system based on the CAN Bus platform. This gives a whole new user interface.
- The system is easy and quick to install.
- The operating handle is ergonomically designed with different degrees of functionality.

Safety

- There are integrated load holding valves in the tilt cylinder.
- Attachment bracket with spring locks are used for double the safety in the event of a loss of pressure.



Infinite rotation 360°

Tilting 2x40°

12/24V DC

Grease filled gear housing

Control System MACST/Pro/P

Valve system TS-TXSC

Mounting	S40	S45/S50	SMP3
Approx weight(kg)	140	160	160
Dimensions A/B/C/D	720/495/345/415	735/495/375/470	740/495/375/470
Tilt angle	2 x 40°	2 x 40°	2 x 40°
Rotation	Infinite 360°	Infinite 360°	Infinite 360°
Oil flow min/max	30 / 70 (*80) L/min	30 / 70 (*80) L/min	30 / 70 (*80) L/min
Operating pressure min/max	18/21 Mpa	18/21 Mpa	18/21 Mpa
Tilt Torque at 21 Mpa	12,33 kNm	12,33 kNm	12,33 kNm
Torque	5000 Nm	5000 Nm	5000 Nm
Rotation speed	7 sec / rotation	7 sec / rotation	7 sec / Rotation

Machines 6 - 10 tonnes

The SMP VikingWrist Improves flexibility and makes the machine more effective. It has grease lubricated gear housing, constant rotation and 40° tilt in all directions. The tiltrotator can be mounted onto the existing quick coupler or directly onto the excavator arm. Easy manoeuvering of the tiltrotator with joystick thumb rollers or rocker switch, allows the operator to easily and effectively perform advanced and precision work without having to move the machine. This also makes the work environment safer for both the operator and those working near the machine

SMP VikingWrist ST10 is supplied with complete hydraulic hoses, hydraulic connections, electric cavles, and an installation manual.

ST10 can be adapted for most machines in the size range and is available with most types of quick coupler systems and with a direct mounted upper/lower section.



New features of the SMP VikingWrist Generation 4

Maintenance and productivity

- Improved central lubrication which can also be connected to the machine's central lubrication system.
- Lubrication free bearings which reduce the amount of lubrication points by approximately 50%.

For the user

- We offer a new system based on the CAN Bus platform. This gives a whole new user interface.
- The system is easy and quick to install.
- The operating handle is ergonomically designed with different degrees of functionality.

Safety

- There are integrated load holding valves in the tilt cylinder.
- Attachment bracket with spring locks are used for double the safety in the event of a loss of pressure.

Technical Specifications Vikingwrist

Infinite rotation 360° Cont Tilting 2x40° MAC

12/24V DC

Grease filled gear housing

Control System MACST/Pro/P

Valve system TS-TXXSC

Mounting	\$45/\$50	SMP3
Approx weight(kg)	260	260
Dimensions A/B/C/D	870/590/430/600	890/640/480/600
Tilt angle	2 x 40°	2 x 40°
Rotation	Infinite 360°	Infinite 360°
Oil flow min/max	30 / 60(*80) L/min	30 / 60 (*80) L/min
Operating pressure min/max	18/21 Mpa	18/21 Mpa
Tilt Torque at 21 Mpa	20,6 / 25,3 kNm	20,6 / 25,3 kNm
Torque	5000 Nm	5000 Nm
Rotation speed	7 sec / rotation	7 sec / rotation

Machines 8 - 12 tonnes

The SMP VikingWrist Improves flexibility and makes the machine more effective. It has grease lubricated gear housing, constant rotation and 40° tilt in all directions. The tiltrotator can be mounted onto the existing quick coupler or directly onto the excavator arm. Easy manoeuvering of the tiltrotator with joystick thumb rollers or rocker switch, allows the operator to easily and effectively perform advanced and precision work without having to move the machine. This also makes the work environment safer for both the operator and those working near the machine

Available with double-acting cylinders or single-acting telescopic cylinders for tilting.

ST 12 can be adapted for most machines in the size range and is available with most types of quick coupler systems and with a



Maintenance and productivity

- Improved central lubrication which can also be connected to the machine's central lubrication system.
- Lubrication free bearings which reduce the amount of lubrication points by approximately 50%.

For the user

- We offer a new system based on the CAN Bus platform.
 This gives a whole new user interface.
- The system is easy and quick to install.
- The operating handle is ergonomically designed with different degrees of functionality.

Safety

- There are integrated load holding valves in the tilt cylinder.
- Attachment bracket with spring locks are used for double the safety in the event of a loss of pressure.





Technical Specifications Vikingwrist ST12

Infinite rotation 360°

Tilting 2x40°

12/24V DC

Grease filled gear housing

Control System MACST/Pro/P

Valve system TS-TXXSC

Mounting	S45/S50
Approx weight(kg)	320
Dimensions A/B/C/D	880/620/435/650
Tilt angle	2 x 40°
Rotation	Infinite 360°
Oil flow min/max	30 / 60(*80) L/min
Operating pressure min/max	18/21 Mpa
Tilt Torque at 21 Mpa	24 / 26,2 kNm
Torque	5000 Nm
Rotation speed	7 sec / rotation

Machines 10 - 15 tonnes

The SMP VikingWrist Improves flexibility and makes the machine more effective. It has grease lubricated gear housing, constant rotation and 40° tilt in all directions. The tiltrotator can be mounted onto the existing quick coupler or directly onto the excavator arm. Easy manoeuvering of the tiltrotator with joystick thumb rollers or rocker switch, allows the operator to easily and effectively perform advanced and precision work without having to move the machine. This also makes the work enviroment safer for both the operator and those working near the machine.

SMP Tiltrotator ST15 is supplied with complete hydraulic hoses, hydraulic connections, electric cables and an installation manual. Available with double-acting cylinders or single-acting telescopic cylinders for tilting.

ST 15 can be adapted for most machines in the size range and is available with most types of quick coupler systems and with a direct mounted upper/lower section.



Maintenance and productivity

- Improved central lubrication which can also be connected to the machine's central lubrication system.
- Lubrication free bearings which reduce the amount of lubrication points by approximately 50%.

For the user

- We offer a new system based on the CAN Bus platform. This gives a whole new user interface.
- The system is easy and quick to install.
- The operating handle is ergonomically designed with different degrees of functionality.

Safety

- There are integrated load holding valves in the tilt cylinder.
- Attachment bracket with spring locks are used for double the safety in the event of a loss of pressure.





Technical Specifications Vikingwrist ST15

Infinite rotation 360° **Control System** MACST/Pro/P Tilting 2x40° 12/24V DC

Grease filled gear housing

Valve system TS-TXXSC

Mounting	S45/S50	S60	SMP2,T620
Approx weight (kg)	370	390	400
Dimensions A/B/C/D	906/726/465/668	934/726/489/706	1002/807/560/789
Tilt angle	2 x 40°	2 x 40°	2 x 40°
Rotation	Infinite 360°	Infinite 360°	Infinite 360°
Oil flow min/max	40 / 80 L/min	40 / 80 L/min	40 / 80 L/min
Operating pressure min/max	18/21 Mpa	18/21 Mpa	18/21 Mpa
Tilt Torque at 21 Mpa	24 / 26,2 kNm	23,4 / 34,1 kNm	23,4 / 34,1 kNm
Torque	7000 Nm	7000 Nm	7000 Nm
Rotation speed	7 sec / rotation	7 sec / rotation	7 sec / rotation

Machines 14 - 18 tonnes

The SMP VikingWrist Improves flexibility and makes the machine more effective. It has grease lubricated gear housing, constant rotation and 40° tilt in all directions. The tiltrotator can be mounted onto the existing quick coupler or directly onto the excavator arm. Easy manoeuvering of the tiltrotator with joystick thumb rollers or rocker switch, allows the operator to easily and effectively perform advanced and precision work without having to move the machine. This also makes the work environment safer for both the operator and those working near the machine.

Available with double-acting cylinders or single-acting telescopic cylinders for tilting.

ST18 can be adapted for most machines in the size range and is available with most types of quick coupler systems and with a direct mounted upper/lower section.



- Improved central lubrication which can also be connected to the machine's central lubrication system.
- Lubrication free bearings which reduce the amount of lubrication points by approximately 50%.



- We offer a new system based on the CAN Bus platform. This gives a whole new user interface.
- The system is easy and quick to install.
- The operating handle is ergonomically designed with different degrees of functionality.

Safety

- There are integrated load holding valves in the tilt cylinder.
- Attachment bracket with spring locks are used for double the safety in the event of a loss of pressure.

Mounting	S60
Approx weight (kg)	490
Dimensions A/B/C/D	920/770/505/810
Tilt angle	2 x 40°
Rotation	Infinite 360°
Oil flow min/max	40 / 80 L/min
Operating pressure min/max	18/21 Mpa
Tilt Torque at 21 Mpa	37/46 kNm
Torque	6000 Nm
Rotation speed	7 sec / rotation





Technical Specifications Vikingwrist ST18

Infinite rotation 360°

Tilting 2x40°

12/24V DC

Grease filled gear housing

Control System MACST/Pro/P

Valve system TS-TXXSC

Machines 16 - 22 tonnes

The SMP VikingWrist Improves flexibility and makes the machine more effective. It has grease lubricated gear housing, constant rotation and 40° tilt in all directions. The tiltrotator can be mounted onto the existing quick coupler or directly onto the excavator arm. Easy manoeuvering of the tiltrotator with joystick thumb rollers or rocker switch, allows the operator to easily and effectively perform advanced and precision work without having to move the machine. This also makes the work environment safer for both the operator and those working near the machine.

Available with double-acting cylinders or single-acting telescopic cylinders for tilting.

SMP Tiltrotator ST22 is supplied with complete hydraulic hoses, hydraulic connections, electric cables and an installation manual.

New features of the SMP VikingWrist Generation 4

Maintenance and productivity

- Improved central lubrication which can also be connected to the machine's central lubrication system.
- Lubrication free bearings which reduce the amount of lubrication points by approximately 50%.

For the user

- We offer a new system based on the CAN Bus platform. This gives a whole new user interface.
- The system is easy and quick to install.
- The operating handle is ergonomically designed with different degrees of functionality.

Safety

- There are integrated load holding valves in the tilt cvlinder.
- Attachment bracket with spring locks are used for double the safety in the event of a loss of pressure.





Technical Specifications Vikingwrist ST22

Infinite rotation 360° **Control System** MACST/Pro/P Tilting 2x40° 12/24V DC

TS-TXXSC Grease filled gear housing

> **Open Source Solution** Pro OS

Valve system

Mounting	B20/S1	S60	SMP2, T620
Approx weight (kg)	650	550	620
Dimensions A/B/C/D	1130/1000/570/850	1000/830/600/830	1060/910/620/850
Tilt angle	2 x 40°	2 x 40°	2 x 40°
Rotation	Infinite 360°	Infinite 360°	Infinite 360°
Oil flow min/max	40 / 80 L/min	40 / 80 L/min	40 / 80 L/min
Operating pressure min/max	18/21 Mpa	18/21 Mpa	18/21 Mpa
Tilt Torque at 21 Mpa	41 / 52 kNm	41 / 52 kNm	41 / 52 kNm
Torque	7000 Nm	7000 Nm	7000 Nm
Rotation speed	7 sec / rotation	7 sec / rotation	7 sec / rotation

Machines 22 - 30 tonnes

The SMP VikingWrist Improves flexibility and makes the machine more effective. It has grease lubricated gear housing, constant rotation and 40° tilt in all directions. The tiltrotator can be mounted onto the existing quick coupler or directly onto the excavator arm. Easy manoeuvering of the tiltrotator with joystick thumb rollers or rocker switch, allows the operator to easily and effectively perform advanced and precision work without having to move the machine. This also makes the work enviroment safer for both the operator and those working near the machine.

SMP Tiltrotator ST28 is supplied with complete hydraulic hoses, hydraulic connections, electric cables and an installation manual. Available with double-acting cylinders or single-acting telescopic cylinders for tilting.

ST28 can be adapted for most machines in the size range and is available with most types of quick coupler systems and with a direct mounted upper/lower section.



Maintenance and productivity

- Improved central lubrication which can also be connected to the machine's central lubrication system.
- Lubrication free bearings which reduce the amount of lubrication points by approximately 50%.

For the user

- We offer a new system based on the CAN Bus platform. This gives a whole new user interface.
- The system is easy and quick to install.
- The operating handle is ergonomically designed with different degrees of functionality.

Safety

- There are integrated load holding valves in the tilt cylinder.
- Attachment bracket with spring locks are used for double the safety in the event of a loss of pressure.





Technical Specifications Vikingwrist ST28

Infinite rotation 360°

Tilting 2x40°

12/24V DC

Grease filled gear housing

Control System MACST/Pro/P

Valve system TS-TXXSC

Mounting	B20/S2 (B27)	S70	SMP1
Approx weight (kg)	760 (840)	730	740
Dimensions A/B/C/D	1130/1020/570/920	1080/920/670/860	1120/1040/710/870
Tilt angle	2 x 40°	2 x 40°	2 x 40°
Rotation	Infinite 360°	Infinite 360°	Infinite 360°
Oil flow min/max	50 / 100 L/min	50 / 100 L/min	50 / 100 L/min
Operating pressure min/max	18 / 35 Mpa	18/35 Mpa	18/35 Mpa
Tilt Torque at 21 Mpa	52,88 kNm	52,88 kNm	52,88 kNm
Torque	7000 Nm	7000 Nm	7000 Nm
Rotation speed	10 sec / rotation	7 sec / rotation	7 sec / rotation





SMP VikingWrist Integrated Grip Module

The SMP Grip Module ensures easy handling when working with posts, poles, timber, paving, or pipe and drain installations. The compact grip module takes up very little space under the tiltrotator and can be easily removed and reattached when needed without affecting the use or connection of the attachment.

The SMP Grip Module has been developed for high durability, strength and lowweight. Thanks to the integrated load holding valves and the gripping synchronization, an even and secure grab function for safe lifting and full control is always ensured.





Grip Module	Grab sync	Claw opening (mm)	Load(kg)	Approx Weight (kg)
GM S40	\checkmark	450	Max 600	40
GM S45/50	\checkmark	600	Max 700	65
GM S60	\checkmark	800	Max 1000	130
GM S70	\checkmark	800	Max 1000	130
GM S1/S2	\checkmark	800	Max 1000	130
GM SMP1/ SMP2	$\sqrt{}$	800	Max 1000	130

SMP VikingWrist Valve System/control system

Control System Properties	Valve System with Directional Valve			Control System		Open Source
	TS-TXSC*	TXX-TXXSC (Not ST6)	Р	Pro	MACS ST	Pro OS
Simultaneous tilt and rotation	√**	√**	√	√	√	√
Simultaneous tilt, rotation and additional hydraulic function	-	-	√	\checkmark	$\sqrt{}$	√
Auxiliary hydraulic function	$\sqrt{}$	\checkmark	√	\checkmark	\checkmark	√
Proportional control system	-	-	-	\checkmark	\checkmark	√
Proportional auxiliary hydraulics	-	-	-	\checkmark	$\sqrt{}$	√
Operate proportionally with the control system	-	-	-	\checkmark	\checkmark	√
Hydraulic locks	$\sqrt{}$	\checkmark	√	\checkmark	\checkmark	√
Auto tuning					\checkmark	-
Angle and rotation sensor					\checkmark	-
High flow swivel available				\checkmark	\checkmark	
Optimised tools or user profiles				\checkmark	\checkmark	-
Available for tracks or wheel steering				\checkmark	\checkmark	-
User-friendly interface					\checkmark	-
Open Source - Can be adapted for all control systems						√
Minimum Machine Requirem	ents					
Double-acting auxiliary hydraulics	\checkmark					
Two double-acting auxiliary hydraulic circuits	-	\checkmark	-	-	-	
Single acting auxiliary hydraulics	-	-	√	\checkmark	\checkmark	√
Hydraulic locking device	\checkmark	\checkmark	√	\checkmark	\checkmark	√
Spare buttons/rollers in the handle	1-2	2-3	6	L8 supplied	L8 Supplied	2

^{*}Attachment depends on the hydraulic lock system. Please consult with your SMP contact. **N.B. See the spec helow

	Function	Double Acting Hydraulic circuits	Seperate Locking Device	Amount of Hoses
No Additional Function				
TS	Hydraulic valves for changing between tilt and rotation.	1		2
One Auxilary Function				
TX(S)	Hydraulic valves for changing between tilt and auxiliary hydraulics. Rotation directly connected to machine control valve.	2		4
TX(CS)	Hydraulic valves for changing between tilt and auxiliary hydraulics. Rotation and locking device directly connected to machine control valve.	2	\checkmark	6
TXSC	Change tilt to auxiliary hydraulics to rotation to locking device.	1		2
TXS(C)	Valve kits which change between tilt and auxiliary hydraulics and rotation, locking device is directly connected.	1	\checkmark	4
Double Auxillary Functions				
TXX(CS)	Hydraulic valves for changing between tilt and auxiliary hydraulics and auxiliary hydraulics two and locking device.Rotation directly connected to machine control valve.	2	√	6
TXXC(S)	Hydraulic valves for changing between tilt and auxiliary hydraulics and auxiliary hydraulics two and locking device.Rotation directly connected to machine control valve.	2		4

T=Tilt, S=rotation, X = Auxilary hydraulic functions, C=Hydraulic locking device, 0 = function is directly connected



- Easy Installation, no PC required for setup or troubleshooting.
- Graphic touchscreen with user friendly interface.
- Advanced troubleshooting that provides the driver with problem solving information.
- Screen which clearly displays the bucket angle for example.
- A smooth and agile control with high precision.

- MACS system communicates with the machines control system.
- Individual user profiles.
- Tracks and wheel steering are optional extras.
- Delivered with the popular L8 joystick.

With MACS ST you can control the tiltrotator's functions. The functions and steering are controlled with joysticks equipped with stepless rollers. The rollers on the handles make it possible to control the functions proportionally, so the speed increases the more you roll them.

The MACS system allows you to operate your tiltrotator more smoothly and with increased flexibility which provides great precision.

With the touch screen, the driver can easily get feedback from the system via a user-friendly interface. The MACS system has several different user profiles that can be programmed to suit different drivers and their choice of tools. The tiltrotator is connected to the excavator's single acting auxiliary hydraulics.





Eliminate Your Labor!

The IDigBest system provides safe, reliable, labor free excavating solutions.

The excavator itself, is now your grade pole. Center, right or left tooth, whichever the conditions call for, the operator is now seeing realtime measurements on screen.

Also, an LED light low on the boom gently guides the operator.

- No guessing or averaging your grade or distances.
- No man in the harm's way.
 No one to call in sick.
- No mathematical errors. No excuses. Just perfect grade.



3D Grade control

IDigBest has several technological breakthroughs and patented methods to control the bucket.

One crucial component of the system is the high speed triple-gyro bucket sensor with continuous 360 degree roll and tilt. This allows the sensor to measure yaw rates and hold the intended trajectory true.

The roll and tilt ability also further separate this system from all others because now a 3D model can be precisely followed through all rolls and curves of the model; in the same manner as a dozer system.



X-Ray Vision

Once a utility is located, NEVER lose sight of it.

View a detailed outline of the bucket in relation to the utility line on screen in realtime.

The closest point of the bucket to the utility is continuously displayed.

Set a "Safety Zone" to avoid any possible damage. Optional hydraulic kill feature if "Safety Zone" is penetrated by any part of the bucket.

Leading the industry with safer solutions.



IDigBest Control System

IDigBest is dedicated to providing machine control solutions and innovations to the excavating industry.

The inspiration for our innovations, come from a life spend behind the joysticks. A lifetime of experiences guides our products.

Our excavator dig system is leading the industry with the only true machine control system. IDigBest steers the bucket to hold grade. What separates us is the "feel" the operator retains.

We deliver the most accurate results with simple 1 touch operations to tackle the most complex job sites. We give the operator all the tools at his fingertips to deliver a finish grade never before possible.

When accuracy and results matter...IDigBest delivers.

For more information visit www.idigbest.com



Hardlock® Quick Coupler

Reversible

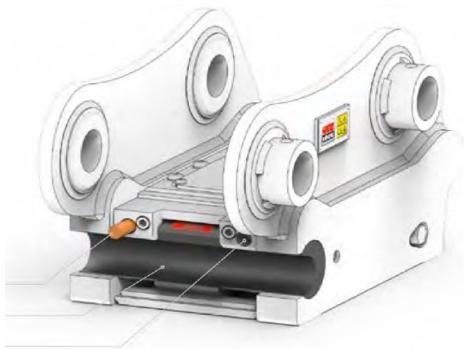
Double locking devices for optimum grip and maximum safety.

SMP's HardLock® Quick Coupler is based on the reversible 'S' models and is designed with double locking devices. HardLock has a standard rear-locking key at the back and also excenter locking securing the front axle, which ensures zero-play and a safe connection for tools and attachments.



Model	Locking	Machine size (tonne)	Approx weight (kg)
S45	Hydraulic	5 - 12	85
S50	Hydraulic	5 - 13	85
S60	Hydraulic	12 - 18	160
<i>S70</i>	Hydraulic	17 - 25	280
S80	Hydraulic	25 - 40	320
<i>S70</i>	Hydraulic	35 - 55	660

A traditional lockable knife wedge system in combination with excenter locking and mechanical front axel locking, ensuring a 100% secure connection



- Rear locking key indicator
- Front excenter locking device
- Front locking key indicator

Deep Buckets Backhoe Loaders & Mini Excavators

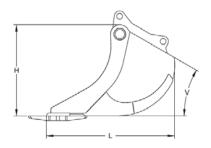
55-400 litres/SAE

A robust and high quality bucket suitable for backhoe loaders

and mini excavators, where low weight and a long service life are important.

The bucket is designed for digging in all types of material, regardless of temperature or weather conditions. Deep buckets are available with or without bucket teeth and with an optional tooth system, which are type CAT, KVERNEX, UNI-Z or CATEX as standard.







Technical specifications Deep Buckets Mini & Backhoe Loaders

Model	Volume(I)	Width(mm)	Length(mm)	Height(mm)	Angle	Approx weight (kg)
DS 55	55	500	420	380	<i>30</i>	50
DS 85	85	500	640	480	30	65
DS 145	145	500	730	630	28	100
DS 165	165	600	730	630	28	115
DS 200	200	600	790	670	28	135
DS 240	240	700	840	670	28	170
DS 250	250	700	900	710	28	185
DS 265	265	650	935	715	28	195
DS 285	285	700	960	715	28	210
DS 320	320	800	930	690	30	275
DS 370	370	800	1035	750	30	320
DS 385	385	700	1090	770	30	310
DS 400	400	800	1090	770	30	340

Deep Buckets

500-1000 litres/SAE

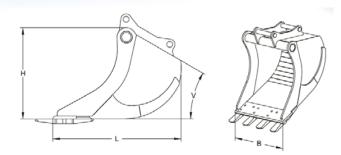
Durable deep buckets specifically designed for digging in all types

of material, regardless of temperature or weather conditions. Deep

buckets are available with or without bucket teeth and with optional tooth systems, which are type CAT or KVERNEX as standard. Buckets larger than 2700 L are made to order.

- Tooth system T5 is a CAT-type and is suitable for CAT 225/J350
- Tooth system T10 is a CAT-type and is suitable for CAT 235/J460





Technical specifications Deep Buckets

Model	Volume(I)	Width(mm)	Length(mm)	Height(mm)	Angle	Approx weight (kg)
500HDR	500	800	1170	850	25	490
550HDR	550	830	1170	850	25	500
600HDR	600	825	1320	890	25	600
650HDR	650	885	1320	890	25	640
700HDR	700	945	1320	890	25	660
750HDR	750	1000	1320	890	25	700
800HDR	800	1050	1320	890	25	720
850HDR	850	1060	1490	990	25	780
900HDR	900	1160	1490	990	25	820
950HDR	950	1060	1430	1010	25	870
1000HDR	1000	1120	1430	1010	25	950

Deep Buckets

1050-2500 litres/SAE

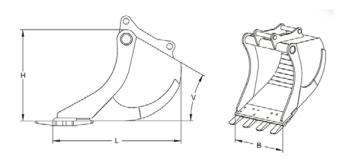
Durable deep buckets specifically designed for digging in all types

of material, regardless of temperature or weather conditions. Deep

buckets are available with or without bucket teeth and with optional tooth systems, which are type CAT or KVERNEX as standard. Buckets larger than 2700 L are made to order.

• Tooth system T10 is a CAT-type and is suitable for CAT 235/J460





Technical specifications Deep Buckets

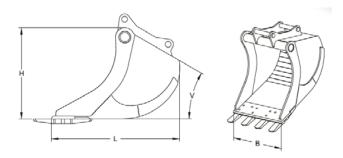
Model	Volume(I)	Width(mm)	Length(mm)	Height(mm)	Angle	Approx weight (kg)
1050HDR	1050	1170	1430	1010	25	1060
1150HDR	1150	1190	1450	1120	25	1200
1250HDR	1250	1260	1450	1120	25	1300
1350HDR	1350	1260	1560	1100	25	1380
1450HDR	1450	1350	1560	1100	25	1450
1550HDR	1550	1440	1560	1100	25	1450
1650HDR	1650	1460	1560	1190	25	1640
1800HDR	1800	1460	1700	1310	25	2200
2000HDR	2000	1600	1700	1310	25	2200
2200HDR	2200	1700	1620	1290	25	2500
2500HDR	2500	1800	1700	1400	25	2800

2700-4400 litres/SAE

Durable deep buckets specifically designed for digging in all types of material, regardless of temperature or weather conditions. Deep sbuckets are available with or without bucket teeth and with optional tooth systems, which are type CAT or KVERNEX as standard. Buckets larger than 2700 L are made to order.

- Tooth system T5 is a CAT-type and is suitable for CAT 225/J350
- Tooth system T10 is a CAT-type and is suitable for CAT 235/J460





Technical specifications Deep Buckets

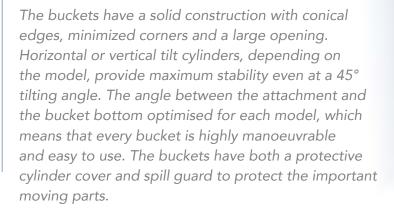
Model	Volume(I)	Width(mm)	Length(mm)	Height(mm)	Angle	Approx weight (kg)
2700HDR	2700	1900	1620	1290	25	3200
3000HDR	3000	1900	1800	1450	<i>25</i>	3500
4000HDR	4000	according to	according to customer/material specification			
4200HDR	4200	according to	according to customer/material specification			
4400HDR	44000	according to	according to customer/material specification			

Weights can vary depending on design of the product

Hydraulic Grading Buckets

55-2500 litres/SAE, horizontal cylinder 1000-2500 litres/SAE, vertical cylinder

SMP's Grading Buckets have been designed to carry out precision work. A long service life and a robust construction able to withstand tough work and conditions makes the grading buckets ideal for all kinds of grading work.





Technical specifications Hydraulic Grading Buckets

Model	Volume(I)	Width(mm)	Length(mm)	Height(mm)	Angle	Approx weight (kg)
SL 55	55	1000	380	290	40	90
SL 80	80	1000	500	300	40	100
SL 110	110	1000	510	380	25	140
SL 150	150	1050	710	430	30	170
SL 210	210	1200	<i>750</i>	440	30	220
SL 230	230	1300	750	440	30	240
SL 300	350	1300	810	540	25	330
SL 350	350	1300	860	540	30	360
SL 400	400	1500	860	540	30	400
SL 450	450	1500	950	540	30	410
SL 500	500	1500	950	660	15	615
SL 650	650	1500	1060	710	28	750
SL 750	750	1600	1060	710	28	790
SL 900	900	1800	1060	710	28	880
SL 1000	1000	1800	1350	790	28	1320
SL 1150	1150	2000	1350	790	28	1420
SL 1400	1400	2000	1260	890	28	1580
SL 1600	1600	2000	1300	960	28	1650
SL 1800	1800	2400	1380	850	28	2150
SL 2200	2200	2300	1680	1040	25	2650
SL 2500	2500	2500	1680	1040	25	3010

Rigid Grading Buckets

150-1800 litres/SAE

SMP's Rigid Grading Buckets have been designed to carry out precision work. A long service life and a robust construction able to withstand tough work and conditions makes the grading buckets ideal for all kinds of grading work.

The buckets have a solid construction with conical edges, minimized corners and a large opening. The angle between the attachment and the bucket bottom is optimised for each model, which means that every bucket is highly manoeuvrable and easy to use.



	echnical specifications Rigid Grading Buckets								
Model	Volume(I)	Width(mm)	Length(mm)	Height(mm)	Angle	Approx weight (kg)			
SL 55	55	1000	380	290	40	60			
SL 80	80	1000	500	300	40	65			
SL 110	110	1000	510	380	<i>25</i>	80			
SL 150	150	1050	710	430	30	110			
SL 210	210	1200	750	440	30	150			
SL 230	230	1300	750	440	30	165			
SL 300	350	1300	810	540	<i>25</i>	240			
SL 350	350	1300	860	540	30	240			
SL 400	400	1500	860	540	30	280			
SL 450	450	1500	950	540	30	310			
SL 500	500	1500	950	660	15	430			
SL 650	650	1500	1060	710	28	485			
SL 750	750	1600	1060	710	28	520			
SL 900	900	1800	1060	710	28	740			
SL 1000	1000	1800	1350	790	28	830			
SL 1150	1150	2000	1350	790	28	950			
SL 1400	1400	2000	1260	890	28	1080			
SL 1600	1600	2000	1300	960	28	1130			
SL 1800	1800	2400	1380	850	28	1280			

Grading Buckets with Minimized Corners

150-1800 litres/SAE

SMP's Conical Grading Buckets have been designed to carry out precision work and to be used with the SMP Tiltrotator. A long service life and a robust construction able to withstand tough work and conditions makes the grading buckets ideal for all kinds of grading work.

The buckets have a solid construction with conical edges, minimized corners and a large opening. The conical shape and an angle of 15° between the attachment and the bucket bottom means that every bucket is highly manoeuvrable and easy to use.



Technical specifications Grading buckets with minimized corners

Model	Volume(I)	Width(mm)	Length(mm)	Height(mm)	Angle	Approx weight (kg)
STS 150	150	1050	690	430	15	120
STS 210	210	1200	800	450	15	160
STS 230	230	1300	800	450	15	180
STS 300	300	1300	820	540	15	235
STS 350	350	1300	870	580	15	255
STS 400	400	1400	900	600	15	285
STS 450	450	1500	915	600	15	310
STS 500	500	1500	1000	640	15	430
STS 650	650	1500	1270	730	15	500
STS 750	750	1600	1270	730	15	530
STS 800	800	1700	1270	730	15	570
STS 900	900	1800	1270	850	15	640
STS 1000	1000	1800	1350	850	15	790
STS 1150	1150	2000	1350	850	15	950
STS 1250	1250	2000	1440	850	15	1020
STS 1400	1400	2000	1510	910	15	1050
STS 1600	1600	2000	1510	980	15	1100
STS 1800	1800	2000	1740	1050	15	1280

Cable/Narrow Buckets

30-800 litres/SAE

SMP's durable Cable and Narrow buckets are specially designed for digging in narrow trenches and for cable laying. The buckets are ideal for are carrying out precision work and are developed for digging in all types of material, regardless of temperature and weather conditions.

The buckets are available with or without bucket teeth and an optional tooth system with type CAT, KVERNEX UNI-Z or CATEX as standard.



Technical specifications Cable/Narrow buckets

Model	Volume(I)	Width(mm)	Length(mm)	Height(mm)	Angle	Approx weight (kg)
KS 30	30	250	500	400	30	30
KS 55	55	300	770	470	20	50
KS 80	80	300	890	560	20	<i>75</i>
KS 110	110	400	910	560	20	100
KS 120	120	300	1100	660	20	125
KS 155	155	400	1100	660	20	150
KS 220	220	400	1280	890	30	250
KS 350	350	550	1460	930	20	400
KS 550	550	600	1600	1000	25	540
KS 800	800	700	1700	1120	25	740
KS 950	950	800	2000	1190	25	1300

Weights can vary depending on design of the product

Sorting Buckets

55-1800 litres/SAE

Sorting Buckets have been designed for effective sorting through

unwanted material such as soil, brick, rock or rubble.

SMP's sorting buckets have a robust construction with ribs made from durable reinforced steel bars. With the same design as SMP grading buckets Sorting Buckets have been designed for effective sorting through unwanted material such as soil, brick, rock or rubble.



Technica	l specifications	Sorting Buc	kets
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Model	Volume(I)	Width(mm)	Length(mm)	Height(mm)	Angle
GS 55	55	1040	400	300	15
GS 80	80	1000	480	300	15
GS 110	110	1000	570	380	15
GS 150	150	1000	730	440	15
GS 210	210	1200	730	440	15
GS 300	300	1300	790	510	15
GS 350	350	1300	830	550	15
GS 400	400	1500	830	550	15
GS 500	500	1500	1020	700	15
GS 650	650	1500	990	710	15
GS 750	750	1600	990	710	15
GS 900	900	1800	990	710	15
GS 1000	1000	1800	990	790	15
GS 1150	1150	2000	1300	790	15
GS 1250	1250	2000	1300	890	15
GS 1400	1400	2000	1300	930	15
GS 1600	1600	2000	1300	930	15
GS 1800	1800	2400	1340	850	15

Combi Grip Buckets

350-1000 litres/SAE

Combi Grip Buckets are a combination of grading and grip buckets. A robust construction ensures a long service life and the ability to withstand tough work and conditions. They are perfect for moving larger objects that normally wouldn't fit into a bucket.

Combi Grip Buckets can be used with the SMP Tiltrotator for precision work such as building walls with natural stone. Thanks to its clever design the grip arm never comes into contact with the excavator arm, when the bucket is fully tilted, in transport position.



Model	Volume(I)	Width(mm)	Approx Weight(kg)
CG 200	200	600	250
CG 350	350	800	420
CG 500	500	860	650
CG 650	650	1000	1000
CG 1000	1000	1100	1400

Trench Buckets

500-1000 litres/SAE

Lightweight, strong and sturdy Trench Buckets for digging water pipe and sewage trenches. The bucket is specially designed for precision work in combination with the SMP VikingWrist.

With a long service life and a robust construction made from Hardox steel, the Trench Buckets are able to withstand tough work and conditions, making them ideal for all types of trench work. A 20° angle between the bottom of the bucket and the attachment means that each trench bucket is very easy to manoeuvre and use.



Model	Volume(I)	Width(mm)	Length(mm)	Height(mm)	Angle	Approx Weight
VA 500	500	700	1460	930	20	420
VA 600	600	800	1460	930	20	500
VA 700	700	900	1460	930	20	580
VA 800	800	1000	1730	1100	20	650
VA 900	900	900	1730	1100	20	720
VA 1000	1000	1000	1730	1100	20	790

Plain Front/Blade Tooth

1. Cutting edge

Bucket teeth are welded onto the cutting edge that matches the existing tooth pattern on the bucket. The complete cutting edge kit is fitted to the bucket and secured by a locking device. To change the bucket back into a digging bucket with teeth, the cutting edge can be taken off and bucket teeth can be re-mounted.

2. Blade tooth

Bucket teeth are welded onto a blade. The blade is then mounted onto the buckets existing teeth and secured by a locking device. To change the bucket's back into a digging bucket with teeth, the cutting edge can be taken off and bucket teeth can be re-mounted.

3. Kvernex System

Kvernex's own unique system for cutting edges on buckets. Two holders are welded onto the underside of a cutting edge. The holders and the cutting edge are then mounted from underneath and screwed into the buckets original cutting edge. The existing bucket teeth act as a support for the cutting edge.

Grading Bucket Loaders

Heavy Duty

Heavy Duty Grading Buckets are designed for precision work with wheel loaders in the 11-31 tonne weight class. A long service life and a robust construction makes them ideal for all types of grading work with a machine in the higher weight class range.

The Heavy Duty Grading Bucket has a long, smooth underside made from high quality steel. It has strong side cutters and a high straight rear edge. The smooth and solid design makes this bucket easy to manoeuvre and simple to use.

Viking Equipment can customise buckets based on the standard models and the customers' needs and wishes. All models can be equipped with a height extension snow collar. This increases the volume handling capabilities, which can be useful when clearing snow.



Model	Width(mm)	Depth(mm)	Approx Weight(kg)	Front Steel(mm)	Machine size (tonne)
FPL 260HD	2600	1530	1110	30 x 270	11 - 13
FPL 270HD	2700	1530	1200	30 x 270	13 - 15
FPL 280HD	2800	1530	1280	30 x 270	20
FPL 290HD	2900	1530	1280	30 x 270	20
FPL 300HD	3000	1530	1280	30 x 270	20
FPL 310HD	3100	1530	1350	30 x 270	20 - 23
FPL 340HD	3400	1930	2150	40 x 300	23

Front steel side cutters 20x200 FPL 260HD, 270HD, 290HD, 300HD. Front steel side cutters 25x200 FPL 340HD. Steel wear ribs in the bottom. Slitribbor i botten. Weights can vary depending on design of product

Grading Bucket Loaders

Standard

Grading Buckets are designed for precision work with wheel loaders in the 4-20 tonne weight class. A long service life and a robust construction make them ideal for all types of grading work. The standard bucket has a stable, smooth and solid design, which is easy to manoeuvre, and simple to use.

Viking equipment can customize buckets based on the standard models and the customers' needs and wishes. All models can be equipped with a height extension snow collar. This increases the volume handling capabilities, which can be useful when clearing snow



Model	Width(mm)	Depth(mm)	Approx Weight(kg)	Front Steel(mm)	Machine size (tonne)	
FPL 200	2000	1230	680	25 x 200	4 - 5	
FPL 220	2200	1230	750	25 x 200	6 - 8	
FPL 230	2300	1230	780	25 x 200	8 - 10	
FPL 240	2400	1430	810	25 x 200	9 - 10	
FPL 250	2500	1430	850	25 x 2200	11 - 12	
FPL 260	2600	1430	880	25 x 200	11 - 13	
FPL 270	2700	1430	920	25 x 200	13 - 15	
FPL 280	2800	1600	950	30 x 270	18 - 20	
FPL 290	2900	1600	980	30 x 270	20	
FPL 300	3000	1600	1020	30 x 270	20	

Standard > Bottom plate T=10 + hard plate steel. Option > Bottom plate T=15 Hardox 450 without hard plate steel. Weights can vary depending on design of product

Attachment Grading & Ditching Bucket

Keen Attachments manufacture a broad range of ditching / grading buckets in all different sizes ranging from 24 to 110 inches, covering machines from 0.75 tonne to 60 tonne. These buckets are used for grading/levelling, loading and general handling.

In addition to our standard bucket sizes, we also offer a bepoke and customisation service where we build buckets tailored to your specification.



Bagging Bucket

Keen Attachments bag filling bucket is the ultimate time saving attachment for use in busy yards. It allows the quick fill of 1 ton bags with heavy free flowing material such as sand, aggregate, gravel, wood chip etc.

To be used with any telehandler or loader, trailes and vans can also be filled with precise control.

The design means that when bags are filled they can be accurately stacked or loaded onto trailers and trucks.



Drainage Bucket

Keen Attachments Trapezoidal Bucket (also known as a V or tile drain bucket) is suitable for digging drains in wet ground conditions.

The standardised 'V' shape design is also ideal for forging or cleaning channels and will fit most excavators from 0.75 tonne to 50 tonne with an optional open or closed back.



Grave Digging Bucket

Keen Attachments grave digging buckets are designed and built to dig a square hole with minimal movement from the excavator and removal of material from the ground.

Standard grave digging buckets are typically between 18 to 30 inches wide, but Keen Attachehment delivers a customized service, building buckets tailored to your needs.



Riddle Bucket

Well suited to rocky soils, Keen Attachments riddle buckets are manufactured to work with machines from 0.75 tonne to 60 tonne, with various sizes from 24 to 72 inches. Spacing of tines can be tailored to suit your application.

Keen Attachments riddle buckets can be customised in several areas, including gap width, backs (profiled or ribbed) and pins (either 'weld in' or 'on'), with Klac options also available.



Rake Riddle Bucket

Keen Attachments manufacture Rake/Riddle buckets in various widths and sizes for all excavators ranging from 0.5 tonne to 50 tonne.

Manufactured from hard wearing materials in a variety of tine of spaces for all applications.

These are the perfect tool for landscape clearance as they give you the option to rake, riddle and clear all stones in one movement.

This model also comes in a tilting option that allows the user to angle the bucket 45 degrees either side.



Rock Speck Bucket

Keen Attachments rock spec buckets feature a heavy duty design, ideal for handling rocks, concrete and debris, manoeuvring bulky materials with great ease. Available from 7 to 60 tonne as standard

Rock buckets are manufactured to include your choice of wear parts, but are provided with heel shrouds, lip protectors, hardox edges and protection where needed as standard.



Screening Bucket

Due to the continuous increase in the recycling field and recovery of the different materials, Keen Attachments are able to supply screening buckets ranging from 3.5 to 30 tonne.

With their easy and intuitive use, the SBV screening bucket is ideal for reclaiming land with stones, selecting stones and gravel in rivers, cleaning beaches, selecting materials in demolition yards or moving earth to cover pipelines and canalizations.

An essential advantage is the ability to replace only some of the steel grates which are resistant to abrasions. These replacements can be carried out directly in the worksite. With this equipment it is possible to re-use materials avoiding the purchase of new materials which can usually be expensive.



Tilting Ditcher Bucket

Keen Attachments manufacture tilting ditchers in a variety of widths and capacities. We produce buckets to suit excavators from 0.75 tonne to 30 tonne.

We can provide single or double acting ram depending on the size of the tilting ditcher. From 24 inches wide to 96 inches wide. The optional top protection guard can prevent damage.

Simple and robust construction with the single/double acting ram providing 45 degrees of tilt whilst the main pivot has a greasable pin.



Turf Cutting Bucket

Keen Attachments turf cutting bucket is designed with a scoop for maximum fill capacity when loading and prevents turf 'sticking' when unloaded.

Keen Attachments turf bucket will fit any excavator from 0.75 tonne to 30 tonne.



Concrete Pouring Bucket

Keen Attachments Manufacture concrete pouring buckets to suit excavators ranging from 6 tonne to 20 tonne.

We can offer in a variety of capacities depending on customer requirements. This product is perfect for foundation pouring.



Digging and Trenching Bucket

Keen Attachments manufacture a broad range of digging buckets from the Micro Range up to 60 tonne excavators.

Standard bucket sizes are listed below. Keen Attachments offers a customised service building buckets tailored to your specifications.



SIze (tonnes)	6"	9″	12"	18"	24"	30"	36"	42"	48"	54"	60"	66"	Depth (mm)	Height (mm)	Breadth (mm)
0,75	*	*	*	*	*								380	290	410
1-2	*	*	*	*	*	*							530	350	550
2-3		*	*	*	*	*	*						640	440	610
3-4		*	*	*	*	*	*						710	500	720
4-6		*	*	*	*	*	*						830	600	860
6-7			*	*	*	*	*	*	*				980	730	890
<i>7-8</i>			*	*	*	*	*	*	*				1000	760	910
13				*	*	*	*	*	*				1350	880	1250
15				*	*	*	*	*	*	*			1410	990	1395
20				*	*	*	*	*	*	*	*	*	1520	1140	1510
30				*	*	*	*	*	*	*	*	*	1956	1552	1882

Rippers

50-1100 kg

Viking Equipments are designed for high breaking capacity. Maximum efficiency is achieved through a specially designed breaking plate and base plate. The SMP Ripper fits all excavators from 2-50 tonnes.



Technical specifications Rippers

Model	E.g attachment	Tooth	Height(mm)	Approx weight (kg)
T230	SMP100/B30/S3/KM3	CAT J550	1350	1100
T180	SMP100/B30/S3/KM3	CAT J550	1250	830
T100+	SMP100/B30/S3	CAT J460	1150	600
T100	SMP1/B27/S2	CAT J460	1080	520
T1	SMP1/B27/S2	CAT J350	1060	460
T1	SMP2/B20/S1/s60	CAT J350	1060	400
T2	SMP2 / S60	CAT J350	770	250
T2	SMP3 / S45 / S50	CAT J350	740	200
T3	SMP4 / S40	UNIZ-1	590	80
T4	SMP4 / S30	UNIZ-1	430	50

Weights can vary depending on design of the product

Asphalt Cutters

Viking Equipments Asphalt Cutters have been developed for precision work, with a hardened steel disc with a diameter of 450 mm. The asphalt cutter is supplied with the most widely used attachments.



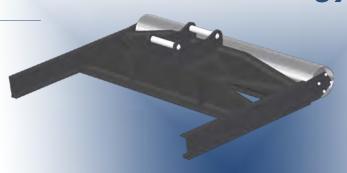
Technical specifications Asphalt Cutters

Model	E.g attachment	Pulley dim.(mm)	Axle dim.mm (mm)
ASF Large	SMP1/B27/S2	450	50
ASF Large	SMP1/B20/S1	450	50
ASF Gate	S70/S80	450	50
ASF Gate	S60	450	50
ASF Gate	S40/S50/S50	450	50
ASF Small	SMP3/SMP4	450	50
ASF Tooth	Independent tooth	450	50

Weights can vary depending on design of the product

Levelling Bar

The SMP rolling leveller for leveling out and compacting material when carrying out grading work. The rolling leveler has a solid construction which offers maximum strength and an even ground pressure for all job tasks.



mm

Technical specifications Levelling bar

Model	E.g attachment	Width(mm)	Roller Ø
AVB 230	S40/45/50	2300	300
AVB 250	S40/45/50	2500	300
AVB 230	S60	2300	300
AVB 250	S60	2500	300
AVB 270	s60	2700	300
AVB 230	B20/S70	2300	300
AVB 250	B20/S70	2500	300
AVB 270	B20/S70	2700	300

2,5 - 5,0 tonnes

Viking Equipment Forklifts are ideal for easy handling of pallets. Suitable for loaders and excavators from 2 – 2,5 tonnes and are supplied with the most widely used attachments, e.g. S60, B20, BM etc.

Technical specifications Forklifts for excavators

Model Lifting Capacity (tonne)	E.g attachment	Fork (BxTxL mm)	Width(mm)	Approx Weight (kg)
2,5	S40/45/50	100/40/1200	1300	220
2,5	S60	100/40/1200	1300	260
2,5	SMP2	100/40/1200	1300	300
5.0	S60	125/50/1500	1500	440
5,0	<i>S70</i>	125/50/1500	1500	440
5,0	B20/S1/KM1/SMP2	125/50/1500	1500	480
5,0	B27/S2/KM2/SMP1	125/50/1500	1500	520
AVB 270	B20/S70	2700	300	

Technical specifications Forklifts for Loaders

Model Lifting Capacity (tonne)	E.g attachment	Fork (BxTxL mm)	Width(mm)	Approx Weight (kg)
2,5	L30/Trima etc	100/40/1200	1500	120
5	BM	125/50/1500	1500	190
5	ВМ	125/50/1500	2200	270

240 / \$45, \$50

A Hydraulic Tree Cutter for clearing brushwood and small trees up to a diameter of 24 cm. The cutter can be combined with the SMP VikingWrist for optimal flexibility and better performance in hard to reach areas. The blade is made from Hardox steel and has a milled blade.



Model Hammer weight (kg)

Weight (kg)

Hydraulic cylinder (mm)

Max cutting diameter, machine (mm)

Blade cutting power (21 Mpa) tonne

Recommended Pressure

Recommended oil flow I/min

Tooth system

Attachment Equipment Requirements

E.g attachment

205

Ø 100/63 x 222

Ø 240

11,2

Max 21 Mpa

50 - 80

2 x KVM16

Swingotilt ST10, ST15, equipped with grab module and accumulator

A Hydraulic Tree Cutter for clearing brushwood and small trees up to a diameter of 24 cm. The cutter can be combined with the SMP VikingWrist for optimal flexibility and better performance in hard to reach areas. The blade is made from Hardox steel and has a milled blade.



Model Hammer weight (kg)

Weight (kg)

Max cutting diameter, cylinder (mm)

Max cutting diameter, machine (mm)

Attachment Equipment Requirements

Recommended Pressure

Bucket edge

Tooth system

E.g attachment

60

Ø 80

Ø 160

VikingWrist ST10 ST10,ST15,

equipped with grab module and accumulator

Max 21 Mpa

330 x 125 x15

3 x KVM16

Auger

We are an authorised partner to Digga, providing their entire range of attachments and wear parts. Suited to fit a wide range of machines and equipment, Digga products provide a quality, competitively priced option.



Clay Spade

Keen Attachments clay spade buckets are used for digging narrow trenches in clay or wet ground conditions. Our low profile design will fit excavators from 0.75 tonne to 30 tonne and widths can be customised to your specification.



Compaction plate

Keen Attachments supply a range of compaction plates, an ideal solution for soil compaction on level or sloping ground. The relatively modest compression is compounded by the vibration element, resulting in a large working force that provides highly effective compaction.

Compaction plates come in a wide range of sizes, to cover excavators from 2 to 25 tonne. Keen Attachments can adapt compaction plates to fit all makes and models of excavator.



Compaction Wheel

Keen Attachments manufacture a range of compaction wheels to suit a range of machines.

The key benefit of using a compaction wheel is that the excavators own weight is used to deliver force. This provides up to 5 times better compaction performance when compared to a standard compaction plate or trench roller.

Its compact design is safer and more convenient, as it doesn't have a motor and has no hydraulic connections, resulting in no snagging in the trench, removing the need for an operator or labourer to observe during operation.

The simplicity of its design provides maximum performance and a more reliable product when compared to other products in the marketplace.



Grapple Demolition spec

Keen Attachments manufacture a selection of demolition specification grapples to suit a wide range of machines. Fabricated from hardened steel where required and designed to withstand high levels of wear and tear.

We manufacture fabricated grapples to suit the following excavators:

7 TONNE 3/2 Finger

13 TONNE 3/2 Finger

20 TONNE 3/2 Finger

30 TONNE 3/2 Finger

40 TONNE 3/2 Finger

50 TONNE 3/2 Finger



Hammer Cradle & headstocks

Keen Attachments design and manufacture hammer cradles/headstocks in house.

We manufacture hammer craddles and headstocks from 0.75 tonne to 50 tonne to fit all hydraulic and manual attachments. They can be supplied direct or quick hitch mounted to suit your requirements.



Manual Auto Lock Hitch

We also offer a new auto lock manual hitch available to suit most excavators up to 7 tonne. The semi-automatic version locks itself, removing the need for you to leave the excavator to lock the hitch onto attachments.

All hitches are checked for quality and ease of fit before despatch and carry a one year warranty. Available for excavators up to 7 tonne, most types are ex-stock and if we don't have the one you require we can usually manufacture within 5 working days.



Pole Lifter

Keen Attachments pole lifters can be mounted on excavators of any size. Available in a range of lengths to suit different applications, with a range of diameters to suit the appropriate weight lifting requirement.

All Keen pole lifters are tested with a safe working load from 1 tonne to 10 tonne. They are ideal for the rehandling of large spherical items. Pole lifters offer a safe and accurate way to manoeuvre items at ground level or into trenching



Pulverisers & Crushers

Keen Attachments supply demolition crushers to demolish armed concrete structures, reducing noise and vibrations. Our range of crushers have a wide range of weights from 100kg to 2100kg.

Highly reliable, and considered amongst the most reliable on the market, they are entirely manufactured with hardened steel (to resist against abrasion), hydraulic cylinders with hardened stem and most benefit from a 360° rotation.

Keen Attachments range for mini-excavators caters from 2.5 to 6 tonne, and have a solenoid valve which allows use of both of the functions of the crushers (demolition and rotation) using a single hydraulic line.

Several models benefit from an accelerator valve that allows you to increase the closing speed of the crusher and reducing the time needed to do the job. All of the models with hydraulic rotation have a valve regulating the speed of rotation which is easy to set considering the needs of the user.



Hydraulic Hitches

Designed with operator and site safety in mind where attachment changes are completed safely without leaving the cab.

Both front and rear attachment pins are independently mechanically locked through the full working cycle, both front and rear attachment pins are independently hydraulically released by the coupler. Suitable for excavators from 2 tonne to 100 tonne.



Land Rake

Keen Attachments design and manufacture land rakes for all excavators from 0.5 tonne up to 50 tonne.

Manufactured in a range of widths and tine spacings to suit all applications. Our rake legs are profile cut from hard wearing materials and designed to minimise clogging and pull.

Rakes are ideal for construction and landscaping situations and can be used for raking stone, brambles, brash etc.

We are able to manfuacture to any width or height, and are now able to offer a tilting rake riddle bucket.



Rotating Grab

Keen Attachments supply selector grabs covering models from 1.5 to 50 tonne.

Designed to be extremely versatile, excellent both for the demolition of structures and buildings without reinforced concrete, for the recycling and the selection and the movement of demolished materials.

All the models are equipped with a 360° rotation, to simplify the operations of movement and also to allow the operator the possibility to work in non-optimal conditions. The jaws are entirely built in special high resistant steel, to guarantee great resistance to abrasion and therefore longer life of the equipment.



Steel Shear

Keen Attachments supply hydraulic steel shears suitable for demolition of iron structures. Compact, strong and entirely built with special steel to resist against abrasion, perfect for customers that need to cut iron boxes, iron rods and the reinforcing in reinforced concrete as well as other applications related to the recycling of iron materials.

The SCR range is actually made of two models, SCR 250 and SCR 750, for excavators from 2,5 tonne to 13 tonne; both of them have a 360° hydraulic rotation, plus an electro-valve which allows to use both of the functions of the shear (demolition and rotation) using a single hydraulic line.

We are also able to supply the latest multi-processor models, providing attachments for excavators from 8 tonne to 50 tonne, developed for cutting road barriers



Solid Tine Grapple

Keen Attachments manufacture a range of grapples to suit a wide range of machines. Ideal for rehandling a wide range of materials including general waste and forestry.

Our solid tine attachments are manufactured in a variety of sizes to suit a range of machines with the option of a 4/3 finger on some sizes.

1-2 TONNE 3/2 Finger

2-3 TONNE 3/2 Finger

4-5 TONNE 3/2 Finger

4-5 TONNE 4/3 Finger

6-8 TONNE 4/3 Finger

13 TONNE 4/3 Finger

20 TONNE 3/2 Finger



Pallet Forks

Keen Attachments are leading manufacturers of pallet forks. Available to fit 4 to 50 tonne machines.

The pallet forks give your excavator all the material handling capability of a teleporter, without the capital cost - working perfectly with the Keen quick hitch.

We offer two types of fork carriages - cassilated (for 4-20 tonne) and Bar type (for 4-50 tonne).

Pallet forks offer easier access and manoeuverability on site, than with a standard teleporter, moving bulky palletised material quickly and easily.

Our pallet forks benefit from fully adjustable flexible pin arrangements which allows pallet forks to fit a large variety of excavators. The Cassiated forks offer a storage compartment for secondary pins, integrated in the frame of the pallet forks.

Keem pallet forks are fully tested products, ensuring maximum safety on site, available for dedicated carriers or universal forks to suit 5-8 tonne, 8-15 tonne or 13-20 tonne.



Grading Beams

Keen Attachments manufacture a range of grading beams in a widerange of sizes. They can work in conjunction with tilt rotators or the conventional UK designed quick hitch.

Grading beams consist of a strong steel structure which include steel beams which level the grading surface, followed by a rear section that houses an adjustable steel roller that compacts the surface.

They offer a more efficient way to level and compact ground when compared to traditional method

Standard sizes:

S30 = 1500mm wide

S40 = 2000mm wide

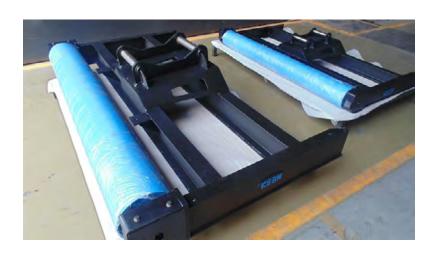
S45 = 2000mm wide

550 = 2500mm wide

560 = 2500mm wide

S70 = 2500mm wide

570 = 3000 mm wide



Scraper Blade

Ideal for maintaining a clean and safe working environment on site, scraper blades are the perfect solution when working in a built up area.

A hard wearing rubber blade reduces noise. Mounted on a pivot, it works well with uneven ground, maintaining contact and increasing efficiency whilst removing excess moisture.



Brush Bucket

Ideal for maintaining a clean and safe working environment on site. Brush buckets can be fitted to all excavators and available in a variety of sizes including 900mm, 1200mm, 1500mm and 1800mm. Manufactured from heavy duty nylon brushes, mounted on a hard wearing steel casing.

Brushes can be removed and replaced to maintain efficiency and extend the life of the product.

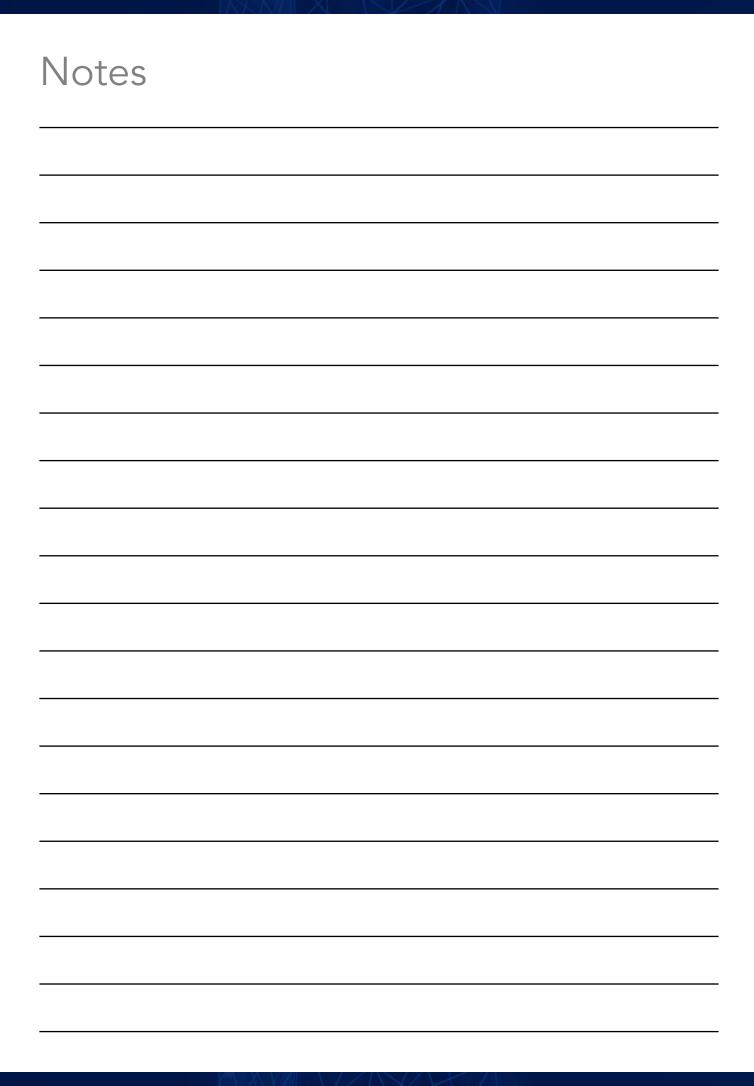


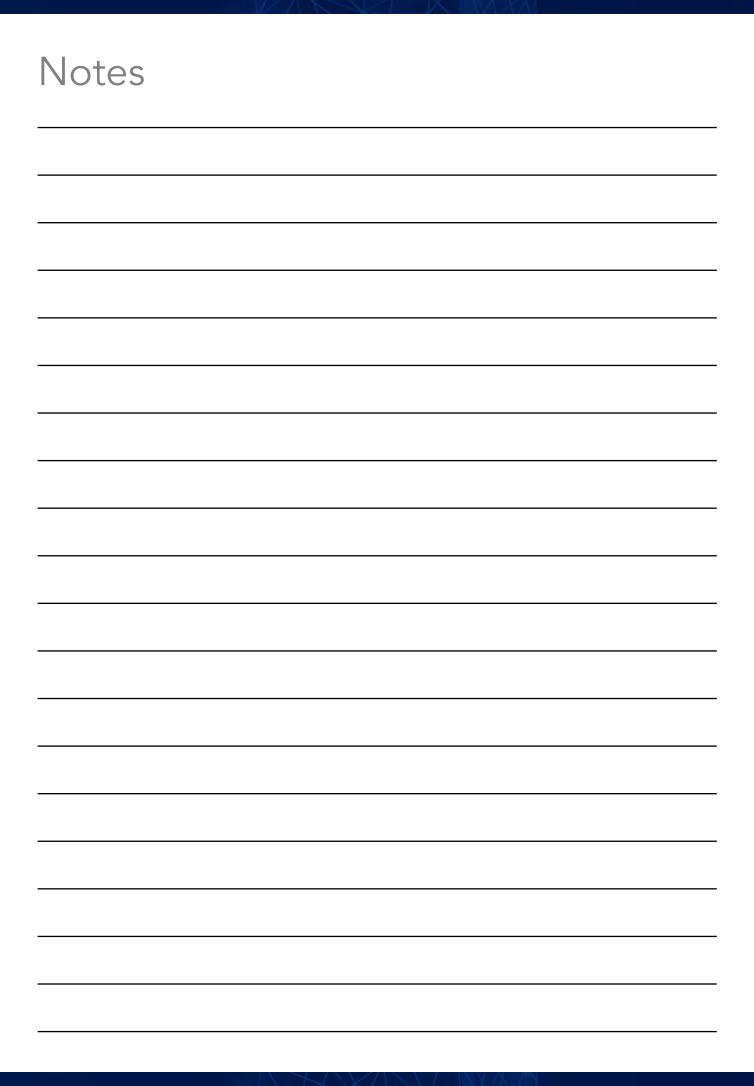
Bucket Lifter

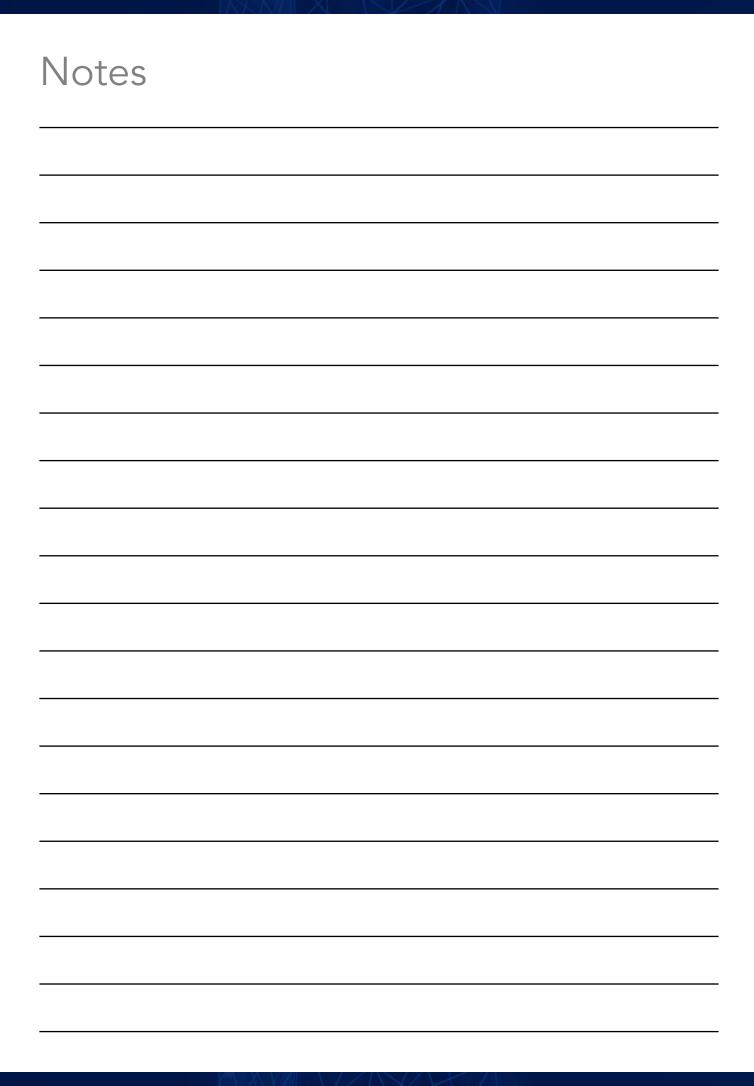
Keen Attachments bucket lifting attachment has been designed for operators and yard people to easily and safely handle and manoeuvre buckets around yards.

It can be operated by a single person, increasing efficiency whilst not compromising on safety.































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