

LIGHT COMPACTION

PRODUCT RANGE





AMMANN GROUP WORLDWIDE

NINE MANUFACTURING FACILITIES AND CENTRES OF COMPETENCE AND OVER 200 AGENCIES AND SALES PARTNERS

MACHINES

LIGHT COMPACTION







SOIL & ASPHALT COMPACTORS











ASPHALT MIXING PLANTS





AN INNOVATIVE FAMILY FIRM

Ammann is a world-leading supplier of mixing plants, machines and services to the construction industry, with core expertise in road-building and transportation infrastructure. Our strengths are the forthcoming approach of a family firm that has been operating for many years, coupled with our strong and well-established international presence. Since 1869, we have been setting benchmarks in the road-building industry, thanks to countless innovations and solutions that are as competitive as they are dependable.

True to our motto, "Productivity Partnership for a Lifetime," we gear our activities to the needs and requirements of our customers around the globe. We are aware that plants and machines that prove their merits day after day under tough operating conditions are the only way to give our customers the critical, competitive edge they need. As you would expect, we provide a well-developed service network and reliable supply of spare parts, together with support throughout the lifetimes of the plants and machines that we offer.

LIGHT EQUIPMENT

ELIMINATE PASSES

There is Ammann light compaction equipment for your most open – and tightest – jobsites. Regardless of the Ammann compaction tool utilised, you'll find compaction power built into an efficiently sized, easy-to-operate machine.



ACR RAMMERS









APF VIBRATORY PLATES







APF 1250





APA ADD-ON COMPACTORS

















APA 100/88



APA 100/88 2M



ARW WALK-BEHIND ROLLER





APR VIBRATORY PLATES











APR 4920





APH VIBRATORY PLATES





















ARR / RAMMAX TRENCH ROLLERS







RAMMAX 1575



APPLICATIONS

√ = SUITABLE

o = SUITABLE WITH RESTRICTIONS

- = NOT SUITABLE

MACHINE MODEL	THICK PAVEMENT BLOCKS > 10 CM	SMALL PAVEMENT BLOCKS < 10 CM	ASPHALT WITH WATER SPRINKLER SYSTEM	SAND / GRAVEL	MIXED SOIL	COHESIVE SOIL	HUMID SOIL	ROCKFILL
ACR 60	-	-	-	40 cm	40 cm	50 cm	45 cm	-
ACR 68	-	-	-	45 cm	45 cm	55 cm	50 cm	-
ACR 70 D	-	-	-	45 cm	45 cm	55 cm	50 cm	-
APF 1033	-	1	1	10 cm	5–10 cm	0	0	-
APF 1240	-	√	√	20 cm	10–15 cm	o	o	-
APF 1250	-	1	√	15 cm	5–10 cm	o	o	-
APF 1850	-	√	√	25 cm	15–20 cm	o	o	-
APR 2220	-	√	o	30 cm	20–25 cm	0	0	-
APR 2620	0	1	√	35 cm	30 cm	o	o	-
APR 3020	1	√	o	40 cm	35 cm	o	o	10 cm
APR 3520	√	√	o	45 cm	40 cm	0	20 cm	15 cm
APR 4920	1	√	o	50 cm	45 cm	20 cm	30 cm	20 cm
APR 5920	1	0	0	55 cm	50 cm	25 cm	40 cm	25 cm
APH 5020	1	1	o	50 cm	45 cm	20 cm	30 cm	20 cm
APH 6020	1	0	o	60 cm	45 cm	20 cm	40 cm	20 cm
APH 5030	√	√	o	50 cm	45 cm	25 cm	30 cm	20 cm
APH 6530	1	-	o	55 cm	60 cm	35 cm	50 cm	30 cm
APH 100-20	1	-	o	50 cm	65 cm	40 cm	50 cm	30 cm
APH 110-95	1	-	o	65 cm	80 cm	55 cm	65 cm	40 cm
ARW 65	-	-	√	15–20 cm	10–15 cm	-	-	-
APA 20/30	0	0	-	35 cm	30 cm	40 cm	40 cm	o
APA 20/40	0	0	-	30 cm	25 cm	35 cm	35 cm	o
APA 55/46	0	0	-	55 cm	60 cm	65 cm	60 cm	o
APA 55/56	0	0	-	50 cm	55 cm	60 cm	55 cm	o
APA 55/64	0	0	-	45 cm	50 cm	55 cm	50 cm	o
APA 72/74	0	-	-	60 cm	55 cm	55 cm	55 cm	o
APA 75/74	0	-	-	50 cm	65 cm	65 cm	65 cm	o
APA 75/74 2M	o	-	_	60 cm	65 cm	65 cm	65 cm	o
APA 100/88	o	-	-	80 cm	90 cm	100 cm	90 cm	o
APA 100/88 2M	o	-	-	85 cm	90 cm	100 cm	90 cm	0
ARR 1575	-	-	-	25 cm	25 cm	20 cm	20 cm	-
ARR 1585	-	-	-	25 cm	25 cm	20 cm	20 cm	-
Rammax 1575	-	-	-	25 cm	25 cm	20 cm	20 cm	-
Rammax 1585	-	-	-	25 cm	25 cm	20 cm	20 cm	-

Figures in mm represent theoritical compaction depth under ideal soil conditions (compaction capacities differ due to unpredictible soil conditions).

THICK PAVEMENT BLOCKS

WITH VULCOLLAN MAT



SMALL PAVEMENT BLOCKS WITH VULCOLLAN MAT

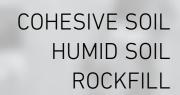


ASPHALT

RECOMMENDABLE WITH WATER SPRINKLER SYSTEM



SAND/GRAVEL MIXED SOIL





COHESIVE SOIL HUMID SOIL



ACR RAMMERS

Ammann Rammers feature the best forward-movement in the industry, helping contractors in all applications work productively and ultimately achieve compaction targets. The forward-moving ability makes them the tool of choice for contractors and rental agencies.

The rammers also are so easy to use that operators of all experience levels are able to perform productively. They are more comfortable, too, because of the reduced-vibration handle. That lessens fatigue and ultimately proves to be another productivity booster.

APPLICATIONS

- Trench compaction
- · Back filling
- Pipe work
- Foundation work
- Patch work on roads
- Confined areas

EFFICIENCY

Balanced weight distribution and good forward movement Machine is easy to guide

Large selection of rammer base plates

Base plates available for every application

Long service life of engines and machines

Machine can be used for longer

Low fuel requirements

One tank lasts for up to four hours of operation

Flexible fuel selection is possible

Both petrol and diesel engines can be used

ERGONOMICS

Low hand-arm vibration values

Long machine use with no risk of Raynaud's syndrome ("white finger disease")

Open guide handle

Clear view of the base plate at all times during operation and usable for all sides

Height-adjustable machine

Guide pipe and guide handle can be adjusted for comfortable operation

SERVICEABILITY

Daily maintenance possible without tools

Preventive maintenance to protect the machine can be carried our anywhere

Air filters with self-cleaning effect and optionally available cyclone pre-filter

Long machine service life and therefore good life cycle costs

"Ammann ACR Rammers are easy to operate, regardless of the experience level of the operator."









ACR 60

ACR 68

ACR 70 D

MACHINE WEIGHT	62 kg	68 kg	83 kg
FOOT WIDTH	280 mm	280 mm	280 mm
CENTRIFUGAL FORCE	11.5 kN	13 kN	16 kN









VIBRATORY PLATES

VIBRATORY PLATE FOR EVERY APPLICATION

Ammann Vibratory Plate Compactors are ready for any situation. The product line ranges from a light 54 kg to a much heavier 825 kg – with many models in between.

All Ammann plates are easy to operate, making them ideal for rental fleets. They also are versatile, with an ability to easily adjust to varied applications. Many are available with diesel or petrol engines. When it comes to production, some of these machines move as quickly as soil compactors. They are high-climbers, too, with various models performing on grades as steep as 30 per cent.

AMMANN VIBRATORY PLATE COMPACTORS ARE DEVIDED INTO THREE CATEGORIES



APF-SERIES
FORWARD MOVING
VIBRATORY PLATES

APPLICATIONS

- Compaction in confined areas
- Earthwork
- Asphalt and paving
- · Light to medium patchwork
- Pipeline and trench construction
- Landscaping and gardening



APR-SERIES
REVERSIBLE
VIBRATORY PLATES



APH-SERIES
FULLY HYDROSTATIC
REVERSIBLE VIBRATORY PLATES



VERSATILITY FOR THE RENTAL MARKET

Ammann Vibratory Plates provide a great range of weights and varied vibratory features to match many applications. The compact machine dimensions and easy upkeep make it ideal for rental companies as well as contractors and landscapers.



THE HANDLE

The standard guide handle is vibration isolated to reduce stress on the operator. It also is foldable and removable, a crucial feature when working in confined areas or during transport. A patented low-vibration guide handle that reduces vibration even further is optional on some machines.



CONTROL

The vibratory plates have different exciter systems but a common thread runs through all: easy operator control. That includes when changing directions or working on steep grades.

APF VIBRATORY PLATES

FORWARD MOVING VIBRATORY PLATES

EFFICIENCY

Wear-resistant base plate
Longer service life of the machine

Fast machine with good compaction output

Enables productive operation

Hoop guard and V belt cover Better protection of machine components

Optional Vulkollan mat

For careful work on paving blocks

ERGONOMICS

Low-vibration guide handle Low HAV values protect the machine operator

Optional transport wheelsEasy to transport the machine from one site to the next

SERVICEABILITY

Simplified maintenance workDaily maintenance work does not require special tools

Robust and simple design

Enables quick access to all parts











APF	1033
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APF 1240

APF 1240

APF 1250

	PETROL	PETROL	DIESEL	PETROL
MACHINE WEIGHT	54 kg	69 kg	85 kg	72 kg
MACHINE WIDTH	330 mm	400 mm	400 mm	500 mm
VIBRATION FREQUENCY	100 Hz	98 Hz	98 Hz	98 Hz
CENTRIFUGAL FORCE	10.5 kN	12 kN	12 kN	12 kN





APF 1850

APF 1850

	PETROL	DIESEL
MACHINE WEIGHT	95 kg	110 kg
MACHINE WIDTH	500 mm	500 mm
VIBRATION FREQUENCY	85 Hz	85 Hz
CENTRIFUGAL FORCE	18 kN	18 kN





APR VIBRATORY PLATES

REVERSIBLE VIBRATORY PLATES

EFFICIENCY

Powerful machines

High compaction forces deliver the best compaction results

Optimised base plate

Guarantees fast forward travel and outstanding gradeability on any surface

Hydraulic forward and reverse drive

Provides simple and precise machine control even in confined spaces

Optional Vulkollan mat

For careful work on paving blocks

ERGONOMICS

Low-vibration guide handle

Low HAV values protect the operator

Open guide handle

Prevents the machine from being damaged by incorrect lifting

Central single-point suspension

A central balanced suspension point ensures safe and simple transportation

SERVICEABILITY

Low-wear exciter unit

Longer service intervals and lower maintenance costs

Simplified maintenance work

Daily maintenance work does not require special tools

Water separator

Indicator for poor fuel quality









APR 2220

APR 2220

APR 2620

	PETROL	DIESEL	PETROL
MACHINE WEIGHT	100 kg	121 / 128 kg	130 / 135 kg
MACHINE WIDTH	400 mm	400 mm	380 / 500 mm
VIBRATION FREQUENCY	98 Hz	98 Hz	95 Hz
CENTRIFUGAL FORCE	22 kN	22 kN	24 kN







APR 3020

APR 3020

APR 3520

	PETROL	DIESEL	PETROL
MACHINE WEIGHT	199/203 kg	213 / 217 kg	242 / 257 kg
MACHINE WIDTH	500 / 600 mm	500/600 mm	450/600 mm
VIBRATION FREQUENCY	90 Hz	90 Hz	65 Hz
CENTRIFUGAL FORCE	30 kN	30 kN	38 kN







APR 3520

APR 4920

APR 5920

	DIESEL	DIESEL	DIESEL
MACHINE WEIGHT	257/271 kg	350 kg	442 kg
MACHINE WIDTH	450 / 600 mm	450 mm	450 mm
VIBRATION FREQUENCY	65 Hz	65 Hz	65 Hz
CENTRIFUGAL FORCE	38 kN	49 kN	59 kN





APH VIBRATORY PLATES

FULLY HYDROSTATIC REVERSIBLE VIBRATORY PLATES

EFFICIENCY

Large machine stroke

Results in compaction output with a high depth effect

Fully hydraulic drive

Good machine controllability

Three-shaft technology

Good gradeability effect and very good operating behaviour even on wet and cohesive substrate

High quality standards combined with ACE

Reliable and proven quality with compaction control

ERGONOMICS

Orbitrol control

Makes accurate work possible despite the machine's large mass

Emergency stop switch

Protects the machine operator, especially in reverse mode

Dead man's handle

Stops the machine as soon as the hands let go, thereby increasing safety for the machine operator and the surrounding objects and buildings

SERVICEABILITY

Daily maintenance possible without tools

Preventive maintenance to protect the machine can be carried our anywhere

Highly accessible engine

Ideal for speedy maintenance

Fully hydraulic drive

No centrifugal clutch and no V belt and therefore no wear and tear



COMPACTION TECHNOLOGY

INTELLIGENT GROUND COMPACTION FOR APH VIBRATORY PLATES













The APH vibratory plates can be equipped with the well-known Ammann ACE (Ammann Compaction Expert) system, developed for larger Ammann compactors but adjusted to fit the APH line. ACE^{econ} continuously monitors compaction levels to the operator, boosting efficiencies – especially when compacting large areas. ACE^{force} monitors and can automatically adjust compaction force to provide efficiency and avoid surface damage from over-compaction of sensitive areas.



TRIPLE-SHAFT EXCITER SYSTEM

Ammann developed a triple-shaft exciter system for its APH products, the largest offered. This makes the machines easier to operate while increasing the power and compaction forces. The system keeps plate movement consistent, which in turn enables smooth travel – even through heavy, cohesive soils – and helps effortlessly overcome steep grades. APH machines even can climb while backfilling saturated areas – work that can leave competitive products at a standstill.









	APH 5020	APH 6020	APH 5030	APH 6530
MACHINE WEIGHT	367 kg	482 kg	375 kg	491 kg
MACHINE WIDTH	450 mm	550 mm	450 mm	550 mm
VIBRATION FREQUENCY	65 Hz	69 Hz	65 Hz	55 Hz
CENTRIFUGAL FORCE	50 kN	60 kN	50 kN	65 kN







	APH 100-20	APH 110-95	APH 1000 TC
MACHINE WEIGHT	675 kg	778 kg	710 Kg
MACHINE WIDTH	650 mm	650 mm	650 mm
VIBRATION FREQUENCY	40 Hz	48 Hz	46 Hz
CENTRIFUGAL FORCE	100 kN	110 kN	70 kN







APA ADD-ON COMPACTORS

SMALL TO LARGE ADD-ON COMPACTORS FOR EXTRA CHALLENGING JOBS

Working on a particularly challenging compaction jobsite? It might be time for an Ammann Add-On Compactor.

The add-ons fit on excavators, which use their reach to compact in hard-to-access places such as deep, narrow trenches and particularly steep grades. They also can provide more power than walk-behind compactors.

APPLICATIONS

- Pipeline construction
- · Development areas
- Embankment and slope compaction
- Narrow work spaces, manhole compaction
- Structure backfill work
- Landfill construction
- Railroad construction

EFFICIENCY

Compaction depths of up to one metre

Enables large dump heights and therefore speedy working

Supports compaction on inclines

Other machines slide where the APA keeps on compacting

Robust machine design

APA machines have a long service life

ERGONOMICS

Quick coupling solutions

Enables faster switching between buckets and compactors

Trench work without emission problems and no danger from falling elements

Enables safe working conditions

SERVICEABILITY

Protected hoses

Robust machine quality for a long service life

Maintenance-free machine

No maintenance required

"The quick coupling system makes your machine ready for action in seconds, increasing your productivity on a daily basis."













APA 20/30 APA 20/40 APA 55/46 APA 55/56 APA 55/64

OPERATION WEIGHT	160 kg	170 kg	370 kg	385 kg	400 kg
MACHINE WIDTH	300 mm	400 mm	460 mm	560 mm	640 mm
FREQUENCY	60 Hz	60 Hz	45 Hz	45 Hz	60 Hz
CENTRIFUGAL FORCES	20 kN	20 kN	55 kN	55 kN	55 kN











APA 72/74 APA 75/74 APA 75/74 2M APA 100/88 APA 100/88 2M

OPERATION WEIGHT	950 kg	950 kg	950 kg	1117 kg	1117 kg
MACHINE WIDTH	740 mm	740 mm	740 mm	880 mm	880 mm
FREQUENCY	36 Hz	58 Hz	36 / 55 Hz	58 Hz	36 / 55 Hz
CENTRIFLIGAL FORCES	72 kN	84 kN	75 / 40 kN	100 kN	100 / 55 kN





ARW WALK-BEHIND ROLLERS

Ammann Walk-Behind Rollers combine two applications in a single machine. The operator chooses whether to utilise a high-amplitude setting for work on gravel/soil or a low-amplitude setting for asphalt and bituminous materials.

The walk-behind rollers are offered with two alternative diesel engine types. Both deliver great power to the machine and fulfill global emission standards worldwide.

APPLICATIONS

- Soil and blacktop
- Repair work
- Road construction
- Foundation work
- · Civil engineering
- Landscaping

EFFICIENCY

2 amplitude settings

Enables different applications such as asphalt work or compaction work on substructures or non-bonded base layers

Fully hydraulic machine

Precise speed adjustment

Full side clearance

Accurate, infinitely variable working next to walls and kerbs

Integrated sprinkler system

Prevents asphalt from caking on the drums

ERGONOMICS

Dead man handle

Operators work in safety

Automatic parking brake

Prevents the machine from rolling away

Height-adjustable guide handle

Optimises operating comfort for operators of any height

Maximum reversing speed reduced to 2.5 km/h

Enables controlled working in reverse mode

SERVICEABILITY

Simplified maintenance work

Daily maintenance work does not require special tools

Drive without wear parts

The fully hydraulic drive system works without a high-maintenance centrifugal clutch and V belt

"The Ammann ARW Walk-Behind Rollers bring the features oft wo separate machine in just one tool. Applications on asphalt and soil are no problem with these powerful compactors."



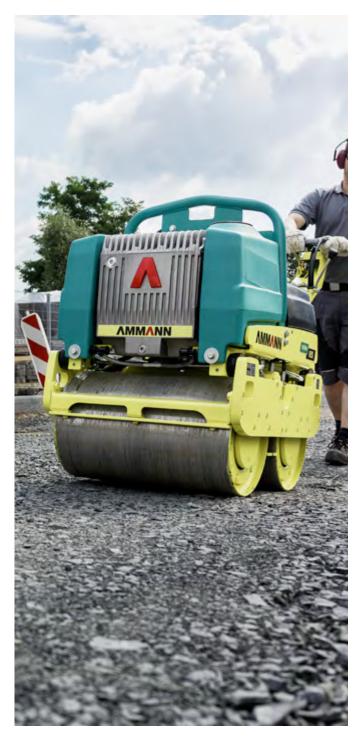




ARW 65

ARW 65

	HATZ	YANMAR
MACHINE WEIGHT	719 kg	712 kg
DRUM WIDTH	720 mm	720 mm
VIBRATION FREQUENCY	55 Hz	55 Hz
CENTRIFUGAL FORCE	13 / 18 kN	13 / 18 kN





ARR / RAMMAX TRENCH ROLLERS

Rammax invented the trench roller product more than 40 years ago, and benchmarks have always been set to improve efficiencies. Today, Ammann is the only manufacturer to still offer both articulated and skidsteered trench rollers. The longevity of the product line and the continuation of the versions prove Ammann's commitment to this market.

Trench rollers, also called multipurpose compactors, perform well in cohesive soil types, such as clays, that can be very difficult to compact. The Rammax 1575 and 1585 are able to overcome the high moisture content in clays through their extreme compaction energy and the kneading effect of their padfoot drums.

APPLICATIONS

- Pipeline construction
- Commercial, residential and industrial development
- Structure backfill work
- Confined work spaces
- · Electric and cable installation
- Dumpsite and landfill jobsites

EFFICIENCY

High compaction output

Faster compaction with fewer passes

Varied machine control

Efficient solutions for every construction site

Drum width extensions

Adaptation of machine to construction site

ERGONOMICS

Easy-to-use remote control

Intuitive machine control from a safe distance, even by inexperienced operators

Infra-red remote control

High degree of safety as the machine stops automatically as soon as the direct line of sight is lost

Remote controller with solar cells

Machine is always ready for use without first charging the remote control unit

SERVICEABILITY

Maintenance-friendly machine design

Quick and easy maintenance

Easily accessible service points

Ideal access to all components

Maintenance-free components

Reduced risk of machine downtimes

"The machines perform effectively and quickly on less challenging soils, too."











ARR 1575

ARR 1585

RAMMAX 1575

RAMMAX 1585

WORKING WIDTH	640/850 mm	630 / 850 mm	640 / 850 mm	630 / 850 mm
OPERATION WEIGHT	1340/1440 kg	1410 / 1480 kg	1340/1440 kg	1410 / 1480 kg
CENTRIFUGAL FORCE	75 / 36 kN	86 kN	75 / 36 kN	86 kN
FREQUENCY	40 Hz	30 Hz	40 Hz	30 Hz



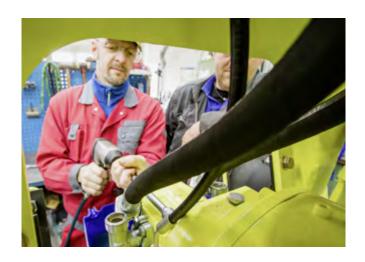
TRAINING

ENHANCE YOUR PERFORMANCE

The Ammann International Training Centre in the Czech Republic is our training headquarters. If you are not able to visit the International Training Centre, Ammann will bring the training to your business or even a jobsite of your choosing.

MACHINE TRAINING MODULES

Modules help you organise your team's training efforts. For example, you can have comprehensive lessons that put you on the path to expertise regarding a single machine. Or, if you prefer, your crew can instead broaden its general knowledge. And if you want to become an expert on the entire product line, the modules can accommodate that, too.



MAIN COURSES

These are the most frequently requested lessons and focus on one machine line.

PRODUCT COURSES

Important information regarding Ammann compaction machines is at the core of these classes. The training includes correct operation and basic maintenance.

COMMISSIONING COURSES

In this training, participants learn maintenance and proper methods for organising a commissioning of Ammann compactors and asphalt pavers.

SUB COURSES

These courses focus on a single machine and typically run for 2 days, allowing a second (or even third) such course to be taken during a week at the training centre.

ADMINISTRATIVE COURSES

Participants in this training learn effective utilisation of warranty claims, spare parts purchase orders, training, requests for technical support and service tips. Those who take these classes will learn to use all Ammann technical publications and administration tools.

INTELLIGENT COMPACTION COURSES

Participants learn about the ACE^{force}, ACE^{pro} and ACE^{plus} systems used in Ammann machines.
Those who take the class will learn to properly operate, maintain, diagnose and repair ACE systems.
The offerings include ACE iii System for Soil
Compactors, which is focused on ASC rollers, and ACE iii System for Asphalt Compactors, which discusses systems on ARP 95, ARX 90 and ARX 110.

SERVICE

A NETWORK TO SUPPORT YOU

No matter where you are, Ammann-trained technicians and parts are nearby. Ammann dealers provide well-trained service technicians who can help you, whether it's an emergency or time for preventive maintenance. The vast Ammann network ensures there is a nearby technician who understands your language and your technical needs. Parts availability and ease of ordering are always Ammann priorities.

HOTLINE SUPPORT

Ammann experts are ready to answer your technical questions 24 hours a day, seven days a week. The hotline team is highly trained and experienced. Representatives can talk you through the challenges – in various languages – to help keep your machine productive.

SERVICE APP

The service app for Ammann machines impresses machine operators who are already benefiting from the advantages of the free application. The easy-to-use app provides machine operators working on site quick and uncomplicated access to machine documentation.

SERVICE VIDEOS

Sometimes a video tells the story best. That's why you'll find a variety of service videos that walk you through service and maintenance processes.

QR CODE

Many maintenance kits feature QR codes that link to videos with helpful demonstrations that walk you or your technician through the process. The videos tell the story without dialogue so customers anywhere in the world can understand.



SPARE PARTS

You can only earn money when your equipment is working. That's why Ammann does everything possible to ensure you have the parts where and when you need them. Those efforts include easy online ordering to avoid confusion and enable tracking, and efficient logistics and availability to help parts reach you quickly.

WEARING KITS

Some machines handle abrasive materials in demanding applications. While wear is inevitable, downtime can be limited. Wearing kits make replacement of these parts efficient and cost-effective. All the necessary parts – big and small – are in a single box to keep you organised and efficient and to ensure the machines are quickly back up and running.

EMERGENCY KITS

Emergency kits prevent little frustrations from becoming bigger issues that can shut down a machine and even a jobsite. These kits include parts such as switches, fuses and valve coils that are simple and fast to change yet still can cause significant problems if not operating properly. The kits easily fit in the trunk or bed of a vehicle so they're on hand when needed. A crew-member with a bit of technical knowledge can handle this work on the jobsite. These repairs take 2 hours or less.



MAINTENANCE KITS

Preventive maintenance is crucial to efficient operation and service life of machines. The easier the maintenance, the more likely it is to be completed. Maintenance kits make the upkeep simple. Parts associated with a particular maintenance process are in a single box with a single part number.

BROCHURE WITH ALL KITS

We have a prospect with all kits, and their part numbers are available for you. Just contact your parts consultant and have a digital or hardcopy sent to you.









For additional product information and services please visit: www.ammann-group.com