

# PIVOT-STEER TANDEM ROLLERS

ARP SERIES



**AMMANN**

# STAYING AHEAD OF THE CURVE

Your crew might be on a straightforward, production-oriented job today – but what about tomorrow? What happens when you need productivity and advanced manoeuvrability from a heavy compactor? Ammann ARP Pivot-Steer Tandem Rollers are here to answer the call. Ammann machines have long been renowned for their powerful vibratory system and excellent compaction output, essential on any jobsite. These rollers also offer pivot steering, which makes them extremely manoeuvrable and improves steering angles – reducing the shear forces that can result when heavy, powerful compactors work on curves. The compactors pound out profit, too. They're designed with the new ECOdrop system, which lowers the cost of ownership by adding efficiencies, including improved fuel consumption.



**ARP 95**

Operating weight: 9700 kg (21 380 lb)  
Maximum weight: 11 370 kg (25 070 lb)  
Drum width: 1680 mm (66.1 in)  
Max working offset mode: 3070 mm (120.8 in)  
Engine: Deutz – 74.4 kW (100 HP)  
EU Stage V / U.S. EPA Tier 4f



**ARP 95C**

Operating weight: 9250 kg (20 390 lb)  
Maximum weight: 10 940 kg (24 120 lb)  
Drum width: 1680 mm (66.1 in)  
Pneu width: 1610 mm (63.4 in)  
Max working offset mode: 3035 mm (119.5 in)  
Engine: Deutz – 74.4 kW (100 HP)  
EU Stage V / U.S. EPA Tier 4f

## STANDARD DRUM

### ARP 95 / ARP 95C

Frequency I: 38–42 Hz (2280–2520 vpm)  
Frequency II: 42–52 Hz (2520–3120 vpm)  
Amplitude I: 0.65 mm (0.026 in)  
Amplitude II: 0.28 mm (0.01 in)  
Centrifugal force I: 74–91 kN (16 635.9–20 457.6 lbf)  
Centrifugal force II: 39–60 kN (8767.5–13 488.5 lbf)

## ACE<sup>PRO</sup> DRUM

### ARP 95 / ARP 95C

Frequency min: 37 Hz (2220 vpm)  
Frequency max: 52 Hz (3120 vpm)  
Amplitude max: 0.85 mm (0.033 in)  
Centrifugal force max: 110 kN (24 729 lbf)



## APPLICATIONS

- Medium and large compaction sites
- Transport construction
- Municipal and town roads
- Motorways
- Airport runways
- Housing developments
- Industrial zones
- City centers

## PRODUCTIVITY

### Pivot steering with split drums

Enables higher manoeuvrability on jobsites and reduces surface shear forces.

### Ammann Traction Control

Increases machine traction on difficult jobsites and makes machine loading easier.

### Multiple vibration frequencies

Varied vibratory settings increase or decrease compaction output for precise compaction control and higher quality.

## ERGONOMICS

### Fingertip steering (FTP)

Ergonomic steering system makes the machine operator-friendly and easy to control.

### Multi-functional display

Central display is located in front of the operator for optimal machine control and monitoring.

### Exceptional operator visibility

Perfect all-around machine visibility to maximise safety on the jobsite.

## SERVICEABILITY

### Tiltable cab and wide engine doors

Exceptional accessibility to all major components and service points.

### Maintenance-friendly design

High focus on easy maintenance and robust design to minimise downtime.

### Ground access to service and maintenance points

Fast and easy machine servicing; no additional tools required.

# A TURN FOR THE BETTER

New features help make Ammann Pivot-Steer Tandem Rollers even more useful on your jobsite. The compactors offer varied settings that provide versatility in many applications, while the robust vibratory system delivers essential compaction power.

## WORKING RANGE

Maximum working width of 3070 mm (120.9 in)

## MULTIPLE RANGE OF FREQUENCIES

Precise vibratory settings to increase or decrease compaction output

## SERVICEABILITY

Ground access to daily maintenance points; engine accessible via two side doors



### OPERATOR STATION

Control panel for more intuitive operation; ergonomic armrests for comfort, sliding and rotating seat and fingertip steering

### SPRINKLING SYSTEM

Large-capacity (800 litres /211 gal) water tanks for extended intervals between fillings; optional ground filling system is available

### ENGINE EFFICIENCY

Highly efficient engine that reduces fuel consumption and meets the latest emissions standards

### PIVOT-STEERING CONCEPT

Improved manoeuvrability through two pivot-steered drums and enhanced steering angles

# GAIN SOME TRACTION

## ROLLER EXCELS IN VARIED APPLICATIONS

The design of the Ammann ARP 95 is based on the pivot-steering concept, which enables the machine to be steered by the front drum, the rear drum or both. The steering system makes the compactor extremely manoeuvrable and a great fit for the compaction of tight areas and winding roads – which is particularly impressive given the considerable size of the machine.

### Pivot steering with split drums

Split drums are more effective when manoeuvrability is needed. They also reduce surface shear forces, essential to preventing tears of fresh asphalt mats when compacting curves and corners.

- Inner turning radius is 3065 mm (10 ft) and outer turning radius is 4785 mm (15.7 ft).

### Ammann Traction Control

ATC (Ammann Traction Control), a standard feature, can be activated when the operator needs more grip on difficult or slippery terrain or during machine loading. ATC utilises a powerful hydraulic propulsion system to significantly increase traction in a controlled manner. A central traction control block properly distributes power to four independent travel motors in each drum.

### Multiple vibration frequencies

The powerful, two-stage vibratory system utilises independent vibratory pumps for each drum. The system also utilises a variable range of frequencies that can be easily adjusted. This technologically advanced approach delivers a unique tool that is exceptional at compacting varied layers and materials.

- Frequency ranges are 38 to 42 Hz (2280 to 2520 VPM) on high amplitude and 42 to 52 Hz (2520 to 3120 VPM) on low amplitude.
- A wide range of compaction outputs is able to generate centrifugal force from 39 kN (8767 lbf) up to 91 kN (20 458 lbf).



“The compactor can pound out production on large jobsites, thanks to its industry-leading compaction width of 3070 mm (120.9 in).”

## APPLICATIONS

- The compactor is an excellent fit whether high productivity or exceptional manoeuvrability is required. The machine excels in the compaction of asphalt.
- Ammann also offers the ARP 95C, a versatile 2-in-1 machine that can provide both dynamic compaction and kneading because of the vibratory drum in front and the pneumatic tyres in the rear.
- Those requiring even more productivity can utilise Ammann’s ACE<sup>pro</sup>/ACE<sup>force</sup> proprietary Intelligent Compaction systems.

## INTELLIGENT OFF-SET MODE

- A new intelligent function recalls the most recent setting and automatically puts the machine in that mode.



# COMMAND AND CONTROL

## A HIGHLY ERGONOMIC OPERATOR STATION

The cab of the ARP 95 provides outstanding accessibility, visibility, simple machine control and high operator comfort to make the roller safe and effective.

### Multi-functional display

Operators can easily control and monitor machine functions on the jobsite. All essential information is available through a new multi-functional display located in front of the operator.

The display utilises three screens to provide all the key data:

- Machine operation and performance
- Detailed machine information
- On-board diagnostics

### Fingertip Steering (FTP)

The unique, proven fingertip steering system (FTP) enables operator comfort and precise machine control for optimal accuracy – especially important on tight jobsites.

### Exceptional operator visibility

Operator visibility to drum surfaces and edges is significantly improved through the removal of “A” pillars from the cab. All objects are visible to the operator beyond a 1-metre-by-1-metre area both in front and in back of the machine.

### CAB DESIGN

The new cab emphasises operator comfort. It is extremely spacious and quiet, with sound levels limited to 72 dB. An ergonomic operator seat rotates 270° and slides beyond the machine contour.







## STEERING MODES

Drums can be steered independently, offering six possible modes:

- Front drum only
- Rear drum only
- Both drums (synchro mode)
- Front drum only + off-set mode
- Rear drum only + off-set mode
- Both drums (synchro mode + off-set mode)

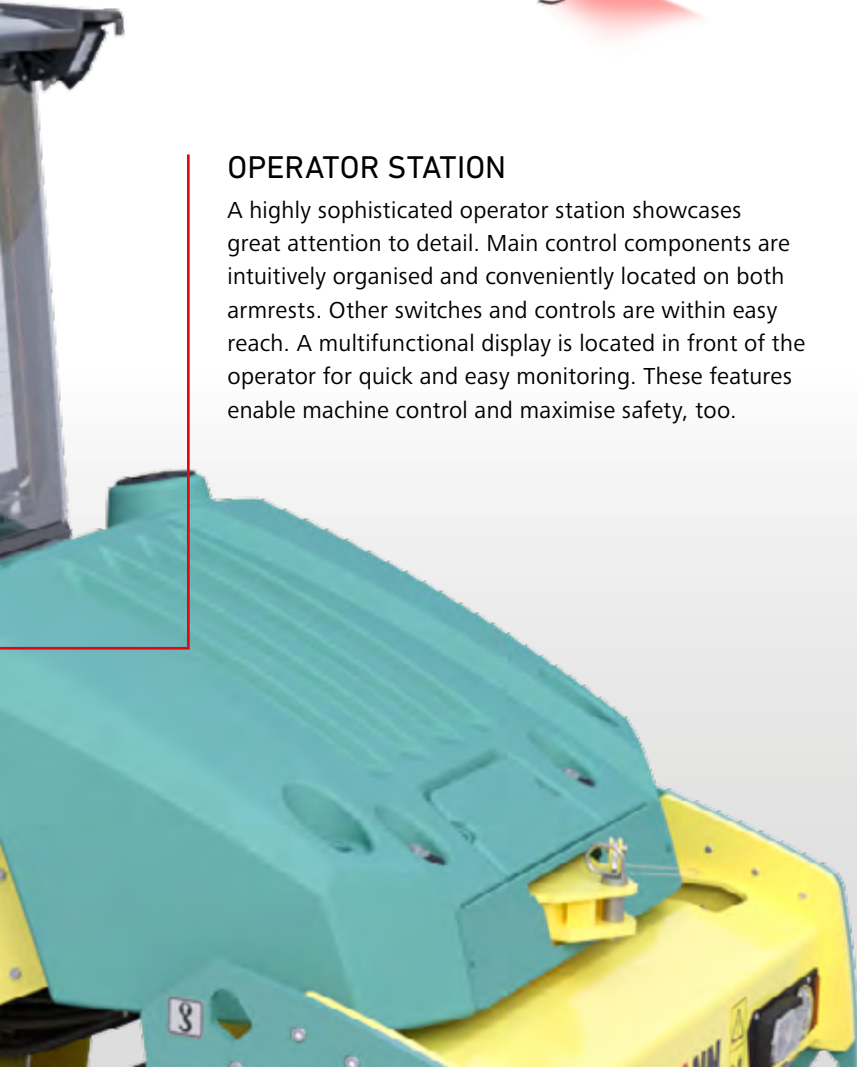
## OPERATOR STATION

A highly sophisticated operator station showcases great attention to detail. Main control components are intuitively organised and conveniently located on both armrests. Other switches and controls are within easy reach. A multifunctional display is located in front of the operator for quick and easy monitoring. These features enable machine control and maximise safety, too.



## ARMREST WITH CONTROLS

Switches are intuitively organised and conveniently located on the armrest.



# IN YOUR CORNER

EASY ACCESS ADDS A PRODUCTIVITY BOOST

**Productivity comes in many ways – including the reduced time it takes your crew and technicians to complete maintenance and service of Ammann machines. Ammann Pivot-Steer Tandem Rollers are maintenance friendly so the roller and your crew can quickly resume operation.**

## **Maintenance-friendly design**

Service time is reduced in several ways. It starts with a robust design that protects major components and prevents downtime. The compactor is accessible from all sides, making it easy for technicians to reach the required components. Daily maintenance can be completed without tools.

## **Ground access to service and maintenance points**

Machines quickly return to work thanks to exceptional access to all major filters, external draining ports for fluids and easy-to-clean coolers. All ARP 95 models are equipped with external test ports on hydraulic components to enable quick diagnosis when required.

## **Tiltable cab and wide engine doors**

A unique machine concept with tiltable/ foldable cab provides convenience during service. In addition, wide-opening side doors offer 360° engine compartment accessibility.

## **FOCUS ON ACCESS**

Accessibility makes maintenance faster – and helps the machines quickly return to work.



# ECOdrop

## HIGH EFFICIENCY AND REDUCED OWNERSHIP COSTS

The ECOdrop system reduces fuel consumption, and that is only the start of the savings. ECOdrop also lowers the cost of ownership through a reduction in the amount of fluids required, longer-lasting wear parts, extended service intervals and optimal access to all maintenance points. These efficiencies reduce costs and make the machines more environmentally friendly.

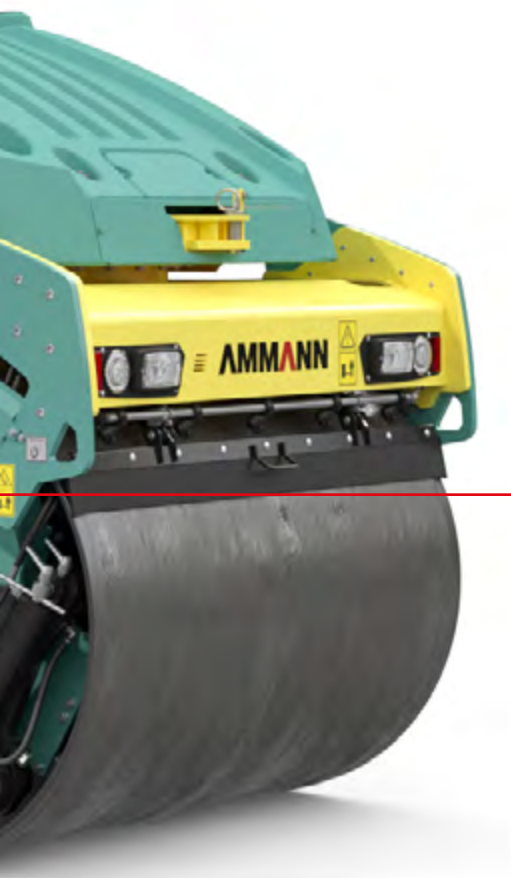
### KEY FEATURES

- Highly efficient engine
- Intelligent machine operation
- Engine load according to actual working speed
- Great accessibility to daily and periodical maintenance points
- Fewer wearing parts
- Improved uptime
- Environmentally friendly machine



### BUILT-IN EFFICIENCY

The new generation of engines reduces fuel consumption by up to 25%, while an improved propulsion system delivers higher productivity.



# STREET SMART

## IT'S TIME FOR INTELLIGENT COMPACTION

Most construction projects require precise, transparent and verifiable compaction results. The terms for roadbuilding bidding and tendering are becoming stricter, as are the standards for quality. Intelligent Compaction technologies – including the proprietary Ammann Compaction Expert (ACE) – provide the needed efficiency, quality and documentation.



### OPTIONAL ACE<sup>pro</sup>

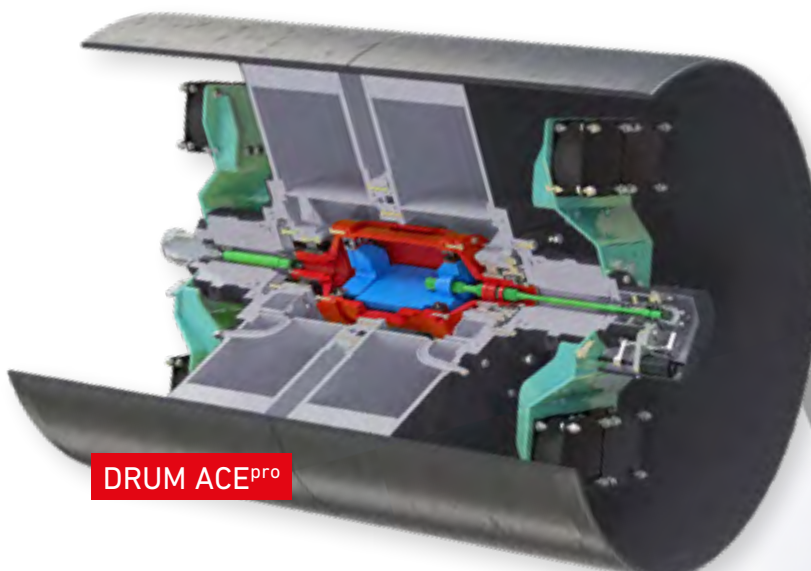
- Continuous Compaction Control system (CCC)
- The asphalt temperature can be monitored by the operator via the main display
- Provides compaction measurement, automatic control and a documentation system
- Absolute measurement system with evaluation of real material stiffness
- Continuously adjusts frequency and amplitude depending on compaction measurements
- Delivers the highest compaction efficiency by sending optimal force into the ground
- Eliminates drum jumping and therefore minimises the risk of over-compaction or material destruction
- Includes Ammann Documentation System (ADS) software with office analysing feature
- Compatible with all major manufacturers' GPS products to provide mapping and operator guidance



### OPTIONAL ACE<sup>force</sup>

- Continuous compaction measurement system
- The asphalt temperature can be monitored by the operator via the main display
- Absolute measurement system with evaluation of real material stiffness
- Available information includes achieved compaction
- Compatible with all major manufacturers' GPS products to provide mapping and operator guidance
- The newest generation of ACE<sup>force</sup> is integrated into the central multifunctional display.

ACE<sup>force</sup> DISPLAY



## AMMANN DOCUMENTATION SYSTEM (ADS)

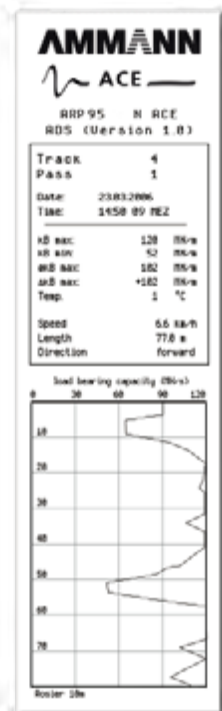
ADS is designed for recording individual roller passes. It meets the international norms for Continuous Compaction Control (CCC). The system is installed on all Ammann tandem and single drum rollers that are already equipped with ACE<sup>pro</sup> system.

The optional printer is controlled by the standard ACE interface. The data logger (memory) is integrated into the ACE display. The data is transmitted to the printer, which is weather-resistant and integrated into the operating panel. All data can be exported to a USB memory stick and imported to any PC that has the ADS software installed.

Recorded during each roller pass are achieved material stiffness (kB value), temperature, roller speed, effective amplitude/frequency and the compaction date and time. The analysing software mode included in ADS supports the evaluation of results.

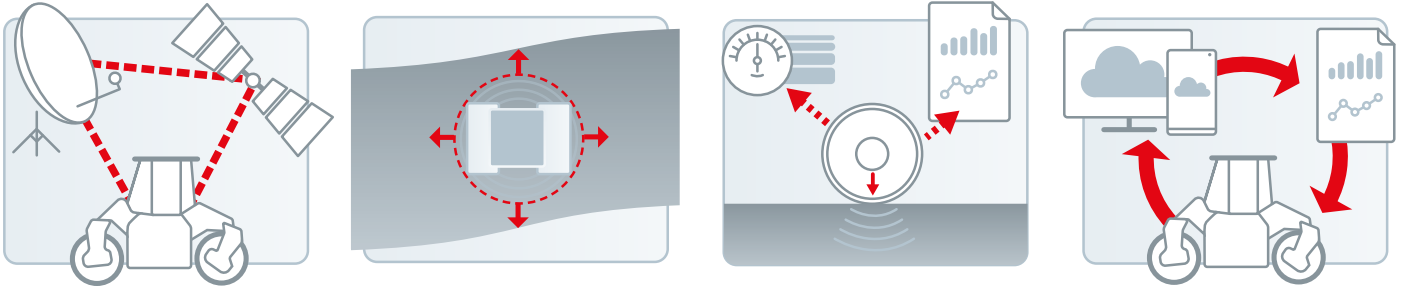
### The following data are stored and printed

- Load bearing capacity (kB value) in MN/m
- Range of kB values (min. and max.)
- Length of roller passes
- Number of roller passes and track
- Roller speed
- Temperature
- Effective amplitude
- Effective frequency



# GPS-BASED COMPACTION

ACE<sup>pro+</sup> AND ACE<sup>force+</sup>



- Combines ACE measurement and control with a navigation system data
- Provides an efficient analysis and documentation system for Continuous Compaction Control (CCC)
- Operated and controlled with touch screen
- Satellite navigation system accurately assigns the measured compaction values to the position coordinates and the time
- Graphic display of measurement data relays the on-site compaction work and enables a fast and reliable performance analysis
- Integrates quality control measures in the work process
- Other compaction parameters can be measured and documented including kB value stiffness (ground bearing capacity), trend of kB values, temperature, vibration status, roller speed, effective amplitude and frequency, pass count, exact geographical position, date and time of passes



# OPTIONS

## THE NEXT STEP

	ARP 95	ARP 95C
AIR CONDITIONING (cab version only)	✓	✓
SUN PROTECTIVE FOILS ON CAB GLASS	✓	✓
RADIO USB INCLUDING RADIO PREPARATION (cab version only)	✓	✓
ACE <sup>pro</sup> INCLUDING THERMOMETER (for ARP 95 double drum)	✓	N/A
ACE <sup>pro</sup> INCLUDING THERMOMETER (for ARP 95C combi-version)	N/A	✓
ACE <sup>force</sup> INCLUDING THERMOMETER	✓	✓
ACE+ GPS TOPCON SITE LINK (price is w/o system subscription)	✓	✓
PRINTER FOR ACE SYSTEMS	✓	✓
TELEMATIC PRE-INSTALLATION (plug-in ready)	✓	✓
TELEMATIC SYSTEM (factory installed)	✓	✓
EDGE-CUTTER (front, right side) - PRESS WHEEL 45°	✓	✓
EDGE-CUTTER (front, right side) - PRESS WHEEL 60°	✓	✓
DOUBLE EDGE-CUTTER (front drum, both sides) - PRESS WHEEL 45°	✓	✓
DOUBLE EDGE-CUTTER (front drum, both sides) - PRESS WHEEL 60°	✓	✓
DIAGONAL EDGE-CUTTER (front right side, rear left side, N/A for Combi) - PRESS WHEEL 45°	✓ / ✓	✓ / N/A
DIAGONAL EDGE-CUTTER (front right side, rear left side, N/A for Combi) - PRESS WHEEL 60°	✓ / ✓	✓ / N/A
AMMANN CHIPSPREADER WITH CONTROLS IN DISPLAY	✓	✓
UNIVERSAL PREPARATION FOR MULTIPLE CHIP SPREADERS	✓	✓
INFRARED THERMOMETER (for non-ACE machine)	✓	✓
ADDITIONAL REAR MIRRORS	✓	✓
WATER FILLING FROM THE GROUND	✓	✓
LED WORKING LIGHTS 2 FRONT, 2 REAR (on top of cab)	✓	✓
360° ILLUMINATION KIT (for machine's surroundings and engine compartments)	✓	✓
WARNING BEACON (rotating warning light)	✓	✓
BACK-UP ALARM	✓	✓
HOLDER FOR LICENSE PLATE	✓	✓
SLOW-MOVING-VEHICLE TRIANGLE	✓	✓
FAN ALTERNATOR AND PULLEY SAFETY SCREENS	✓	✓
FIRE EXTINGUISHER (contents 1000 g net)	✓	✓
SERVICE KIT FOR 500 H (engine filters, air filters)	✓	✓
SERVICE KIT FOR 2000 H (engine filters, air filters, oil filters)	✓	✓
BIODEGRADABLE HYDRAULIC OIL	✓	✓
TOOLKIT	✓	✓
CUSTOMER COLOR DESIGN RAL	✓	✓
CENTRAL MEASURING POINTS (under cab)	✓	✓
12V PLUG	✓	✓
ADDITIONAL STORAGE SHELF/HOLDER IN CAB	✓	✓
CERTIFICATE OF ORIGIN	✓	✓
OVERSEAS SHIPPING PREPARATION (including machine preservation, container packing)	✓	✓
SET OF DOCUMENTATION - printed hardcopy	✓	✓



### COMBI VERSION

This unique machine offers advanced vibratory technology in the front drum and a kneading effect through the pneumatic tyres in the rear. Front and rear water sprinklers and a thermal apron prevent sticking.



### CHIP SPREADER

The Ammann chip spreader is able to disperse a variety of materials that improve braking, comfort and overall safety on roads.



### EDGE CUTTER

This tool efficiently applies the desired edges to asphalt mats. Two standard edge cutters – the cutting disc and compacting disc – are available.

# 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

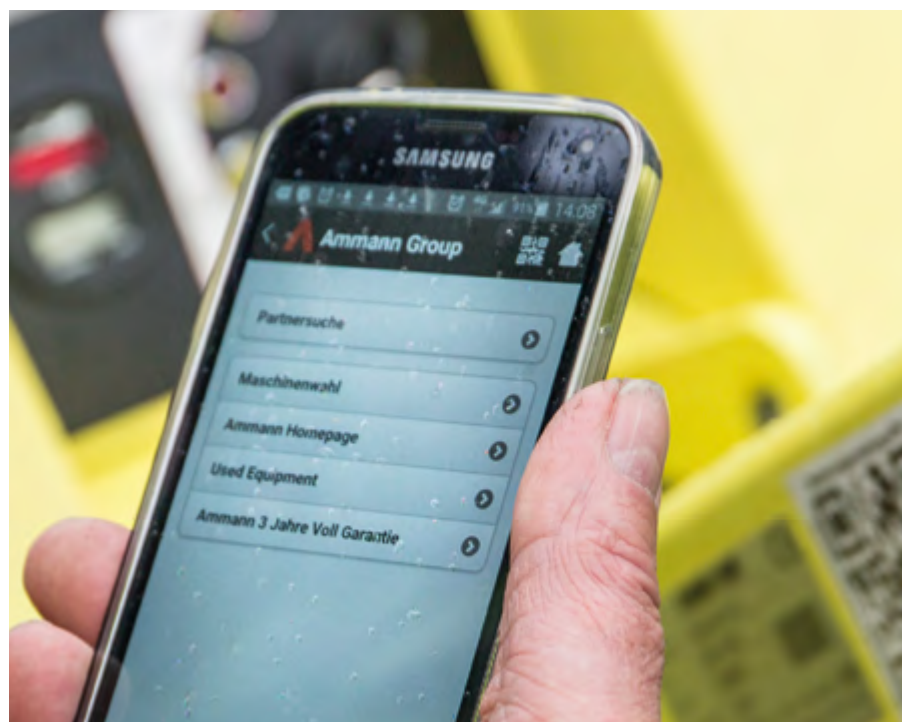
Many maintenance kits feature QR codes that link to videos with helpful demonstrations that walk you or your technician through the process. The videos tell the story without dialogue so customers anywhere in the world can understand.



APPLE STORE



ANDROID STORE





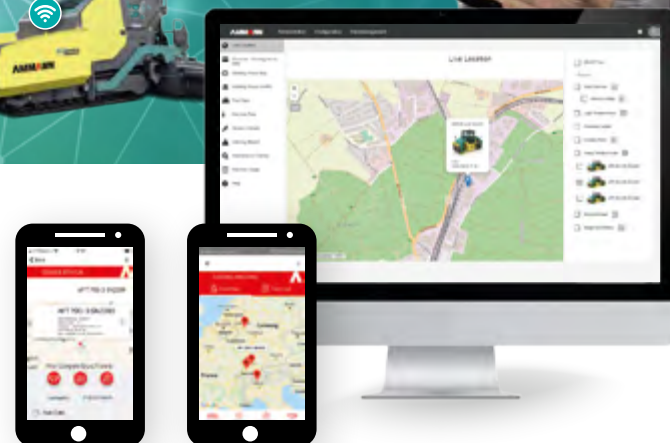
# AMMANN SERVICELINK



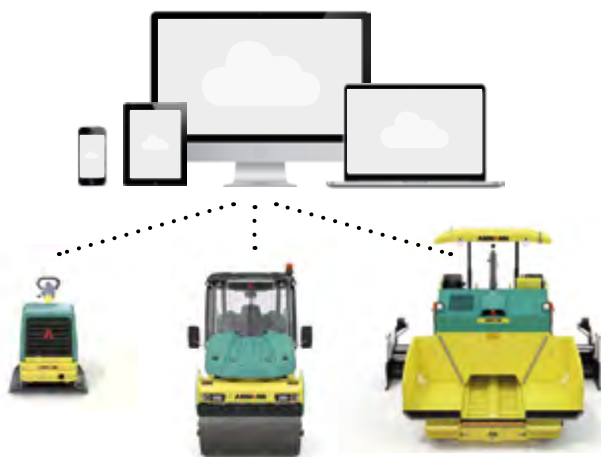
## SERVICELINK

THE DIGITAL FLEET MANAGEMENT SOLUTION

Manage your equipment – anytime, anywhere – with Ammann ServiceLink. This comprehensive fleet management system provides key data for light compaction equipment, heavy compaction machines and asphalt pavers. You can choose which machines to track.



- Ammann ServiceLink utilises telematics that give you the locations of the machines, hours of usage and other essential information. You'll have access to data that will keep your machines running – and make them more productive, too.
- Ammann ServiceLink makes it easy to plan and schedule the maintenance that protects your fleet.



APPLE STORE



ANDROID STORE

### HIGHLIGHTS

- Easy to manage
- Light equipment does not require a machine battery
- Great for rental fleets
- GPS tracking for location, efficiency and productivity information for a jobsite
- Full machine telematics to assess machine usage, fuel burn and idle time
- Machine documentation to help analyse and improve processes
- Easy management of service intervals and maintenance planning



# TRAINING

## ENHANCE YOUR PERFORMANCE

If Ammann machine training was summarised in a single word, it might well be “comprehensive.” The training includes multiple expertise levels and modules to benefit all skill levels.

### TRAINING WORLDWIDE

Ammann product and application experts are ready to provide the training you need, no matter where you are. The global nature of Ammann ensures an expert is always near you – ready to offer instruction that ranges from the basics to the specifics relevant to your geographic area. The training can take place at an Ammann facility, your business – or even on a jobsite.

### KEY TEACHING THEMES CONNECT ALL EFFORTS, NO MATTER WHERE THEY OCCUR

**A good balance.** Training often combines a traditional classroom setting with hands-on machine experience. Ammann application experts also can offer instruction on your jobsite.

Training typically includes students from other industry businesses. Participants say conversations with their peers – and learning how they overcome challenges – are other key benefits.

**Learn in your language.** Lessons are taught in many languages, ensuring your team understands key terms and lessons and makes the most of your training investment.



# 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.com](http://www.ammann.com)**

