





HIGH-PRODUCTION PAVING

The ABG 7820 and ABG 8820 provide the ultimate in paving productivity. The wide widths, powerful engines and high-capacity hoppers ensure these pavers have the capacity to tackle the biggest jobs.

These machines work smart, too. The user-friendly Electronic Paver Management (EPM3) system stores data from previous jobs and helps apply it to the current project.

ABG screeds offer pre-compaction that helps advance compaction and smoothness. Single- or double-tamper options deliver an even, properly pre-compacted, homogenous asphalt layer.





	ABG 7820	ABG 8820
ENGINE	175 kW Deutz (Volvo)	200 kW Deutz (Volvo)
PAVING RANGE	2.5-11 m	2.5–13 m
PAVING OUTPUT	900 t/h	1 100 t/h
EMISSIONS	EU Stage V U.S. EPA Tier 4F	EU Stage V U.S. EPA Tier 4F



HIGHWAY CLASS PAVERS

Big projects

- High level performance on large paving projects with up to 13-metre paving width;
- Outstanding machine stability; excellent surface contact with long and wide tracks;
- Premium Deutz (Volvo) Stage V engine provides prominent power for big projects;
- Best performance with versatile applications of asphalt, concrete and CTB paving.

Operator's choice

- EPM3: intuitive control with a bird's eye view of a paver on the display;
- Consistent, high-quality paving; transfer data from job-to-job with the Settings Manager;
- Adaptive Eco Mode and optimized RPM reduce noise levels and fuel consumption;
- Unhampered visibility around the paver;
- Different optional lighting kits boost safety when working at night;
- Smart Dock option: Remote controlled light bars provide visual signals to the tipper driver.

Enduring quality

- Optimum material flow with a big conveyor tunnel for up to 1100 t/h;
- Auto track tensioner for directional stability and smooth starts;
- Soft Dock option for push rollers: absorb shocks and continue to oscillate at the same time,
- Screed load device prevents start-off bumps at large paving widths;
- Screed tensioning device locks torsional stiffness across the eitire width of the screed.

Screeds for ultimate paving results

- · Paving a width up to 13 meters with fixed screeds (single or double tamper);
- Vario screed ends available for fixed screeds;
- Special crown profiles in road surfaces with VB79/89 or VDT-V79/89;
- Quick-coupling for easy vario screed extension assembly;
- Fully hardened tamper bars significantly extend lifetime;
- · Double tamper screeds offer the highest levels of pre-compaction density behind the screed;
- Hydraulic endgates, featuring power float (option).

Focus on uptime

- Service Interval Manager notifies the operator of required maintenance;
- Ammann ServiceLink telematics system;
- Service access from the platform provides ease of maintenance;
- Ammann service kits save time, lower costs and offer the latest technical advantages.

HIGHLIGHTS

ABG HIGHWAY CLASS PAVERS



Big pavers for big jobs

The strong frame and components, and an automatic track tensioner, ensure stability. Surface contact is excellent. The ABG 8820 has tracks measuring 325 mm wide and 3120 mm long, while the ABG 7820 has tracks that are 300 mm wide and 3000 mm long.

Easy access

Improved service access to essential checkpoints via a wide platform opening supports ease of maintenance, reduces downtime and minimises operational costs.

Smooth starts

The optional screed load device prevents startoff bumps when working at expansive widths.



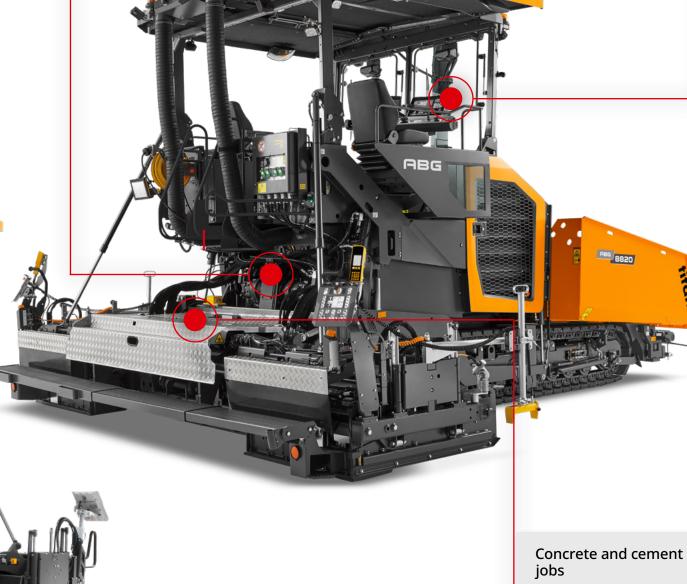
Optimum material flow

The auger heights optimise material flow in the channel for a wide range of layer thicknesses up to 300 mm (12 in).



The operator's choice

The buttons on the EPM3 system are arranged for ease of operation. The display intuitively guides operators through individual functions. Quick adjustments can be made with the jog wheel.



jobs

The pavers can be configured to succeed in applications beyond hot mix, including ballast paving, cementtreated base (CTB) and rollercompacted concrete (RCC).

On the right track

An automatic track tensioner with hydraulic operation, unique to Ammann ABG, provides precise and stable steering and prevents wear. Durable track scrapers contribute to a smoother surface finish.

HIGHLIGHTS

ABG 7820 NEXT LEVEL PERFORMANCE

This paver has high-production capacity for the biggest projects, such as airport runways and motorways. Yet the ABG 7820 is equally adept at performing on jobsites with slightly lower production needs, such as two-lane roads and highways.



A 13.5-tonne hopper ensures the paver can process the volume of materials it needs. Auger diameter of 360 mm facilitates consistent material distribution.

High hourly output

The ABG 7820 has potential output of 900 tonnes per hour so it can answer the bell on demanding jobsites.

Grip and stability

Tracks that are 300 mm wide and 3000 mm long grab the surface beneath the machine for traction needed in varied conditions, terrains and materials. An automatic track tensioner increases stability.

Ample widths

An ability to pave as wide as 11 metres minimises the number of machine passes required on many projects.









ABG 8820 BUILT FOR HIGH PRODUCTION

This is a big machine for big jobs. With an ability to pave wide and deep, it thrives on major highway and airport projects. Despite its size, the ABG 8820 offers exceptional operator comfort and is compatible with a range of high-performance screeds.



High hourly output Production starts with hopper capacity. At 14.7 tonnes, the hopper combines with a large conveyor tunnel for paving outputs of 1100 tonnes per hour.

Optimum material flow

The auger height range, from 120 mm to 200 mm, optimises material flow in the channel for a wide range of layer thicknesses up to 300 mm.

Big projects

The paver has a maximum paving width of 13 metres and thickness of 300 mm. These capacities help crews meet demanding deadlines for highway and airport projects.

Superb stability

Tracks measuring 325 mm wide and 3120 mm long provide excellent surface contact. The strong frame and components, and an automatic track tensioner, offer stability.



MODELS

SUPREME SCREED TECHNOLOGY

ABG screeds lift paver performance. The screeds, whether equipped with a single- or double-tamper, combine optional hydraulically controlled endgates, ABG's quick-coupling system and special profiles to deliver versatility and a smooth, high-quality surface.

Double-tamper technology

ABG screeds with double-tamper technology offer optimal pre-compaction that makes them the best fits when working on thick lifts. They also are welcome when working with reduced temperature asphalts and the tighter compaction window they bring.

The technology offers a 5% to 7% higher degree of compaction than with a single tamper. An ability to reach up to 98% Marshall density dramatically reduces roller requirements.

perfect finishes

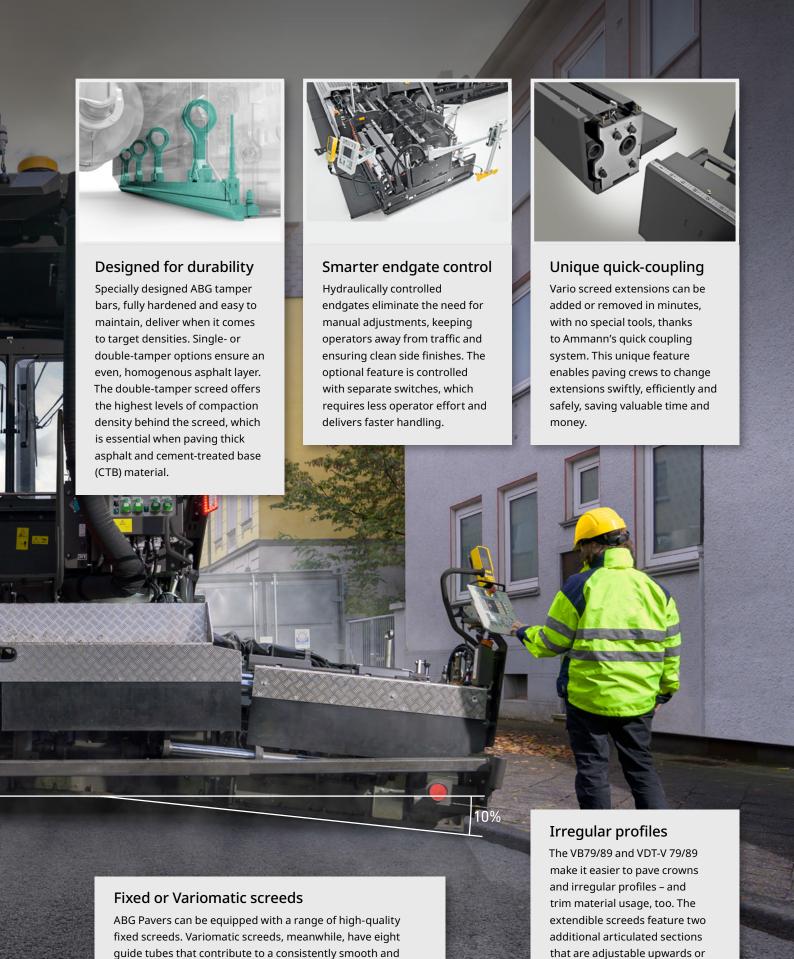
Double-tamper - How it works

As the name implies, double-tamper technology means the tampers hit the material twice. ABG screeds differentiate themselves by tamping the material twice before it reaches the screed base plates.

The first tamper strikes the material in front of the screed, redistributing the mix as needed. The second tamper hits the mix again, also in front of the screed, assisting pre-compaction and further ensuring even distribution.

The material is already pre-compacted and level before reaching the base plates. Therefore, the base plates simply provide the finishing touches that support exceptional pre-compaction and smoothness.

Final compaction is smooth, even, and achieved in fewer passes of the roller.



uniformly compacted surface.

SCREEDS

downwards by 10%.

ABG FIXED SCREEDS





SPECIFICATIONS

ENGINE		ABG 7820	ABG 8820
MANUFACTURER		Deutz (Volvo)	Deutz (Volvo)
MODEL		D8J	D8J
FUEL		Diesel	Diesel
DUTPUT	kW	175	200
	hp	238	272
T ENGINE SPEED	r/min	1 800	2 000
COOLANT	.,,	Liquid	Liquid
FUEL TANK CAPACITY	l	250	250
EXHAUST EMISSION	· ·	EU Stage V	EU Stage V
EAUTOST EMISSION		Lo stage v	20 Stuge V
PAVING			
DUTPUT (THEORETICAL)*	t/h	900	1 100
MAT THICKNESS (MAX)	mm	300	300
The actual paving output depends upon the mat thickness, the paving variety.	width and paving speed and will va	ary according to paving conditions prev	ailing on your jobsite.
PAVING (MAX)	m/min	20	20
TRANSPORT (MAX)	km/h	3.6	3.6
CONVEYOR			
HOPPER CAPACITY	t	13.5	14.7
NUMBER OF CONVEYORS		2	2
CONVEYOR SPEED (MAX)	m/min	24	23
AUGER			
SPEED (MAX)	1/min	95	150
DIAMETER	mm	360	360
JNDERCARRIAGE			
LENGTH		2,000	2120
	mm	3 000	3120
WIDTH (TRACK PLATES)	mm	300	325
WEIGHT			
RACTOR UNIT	kg	14 900	17 350
Approximative weight, without options.	ng .	14 700	17 330
Diesel tank half-full, 75 kg operator, standard hopper and weather roo	f included.		
MAX. ALLOWABLE GRADEABILITY	2/	0.5	0.5
RACTOR UNIT + SCREED	%	25	25
When using extensions the max. allowable gradeability will be reduce	ed.		
SOUND LEVEL			
- _р д	dB	82	84
Sound Pressure Level at Driver's Ear, acc. to ISO 11201	45	02	04
-wa Guaranteed Sound Power Level, acc. to Directive 2000/14/EC	dB	105	106
VIBRATION			
HAND-ARM VIBRATION	2	2 -	2.5
accord. to ISO 5349:2001	m/s²	<2.5	<2.5
WHOLE BODY VIBRATION	m/s²	<0.5	<0.5
accord. to ISO 2631:1997	111/5	<5	<0.0
TI FOTDICAL CVCTEN			
ELECTRICAL SYSTEM	V	27	2/
BATTERY VOLTAGE	V	24	24

OPERATING WEIGHTS¹ OF SCREEDS IN KG²

AT WORKING WIDTH

ABG 7820	2.5 m	5 m	6 m	6.5 m	7.5 m	8 m	8.5 m	9 m	9 m (V)	10 m	11 m
VB78 ETC	-	3 600	-	5 222	5 802	6 342	-	6 923	-	-	-
VDT-V 78 ETC	-	3 850	-	5 592	6 192	6 832	-	7 433	-	-	-
VB79 ETC	-	4 050	-	5 672	6 252	6 792	-	7 373	-	-	-
VDT-V 79 ETC	-	4 300	-	6 042	6 642	7 282	-	7 883	-	-	-
VB88 ETC	-	-	4 050	-	5 772	-	6 352	6 892	-	7 473	-
VDT-V 88 ETC	-	-	4 450	-	6 272	-	6 862	7 482	-	-	-
VB89 ETC	-	-	4 500	-	6 222	-	6 802	7 342	-	-	-
VDT-V 89 ETC	-	-	4 800	-	6 642	-	7 242	7 882	-	-	-
MB 122 ETC	2 242	-	4 456	-	6 076	-	-	6 828	7 454	8 050	8 575
VDT 121 ETC	2 442	-	4 903	-	6 680	-	-	7 531	8 193	-	-

¹ Including auger extensions, channel plates, end gates, towing arms rear, etc.

OPERATING WEIGHTS¹ OF SCREEDS IN KG² AT WORKING WIDTH

ABG 8820	2.5 m	5 m	6 m	6.5 m	7.5 m	8 m	8.5 m	9 m	9 m (V)	10 m	11 m	12 m	12 m (V)	13 m
VB 78 ETC	-	3 600	-	5 222	5802	6 342	-	6 923	-	-	-	-	-	-
VDT-V 78 ETC	-	3 850	-	5 592	6 192	6 832	-	7 433	-	-	-	-	-	-
VB 79 ETC	-	4 050	-	5 672	6 252	6 792	-	7 373	-	-	-	-	-	-
VDT-V 79 ETC	-	4 300	-	6 042	6 642	7 282	-	7 883	-	-	-	-	-	-
VB 88 ETC	-	-	4 050	-	5 772	-	6 352	6 892	-	7 473	-	-	-	-
VDT-V 88 ETC	-	-	4 450	-	6 242	-	6 842	7 482	-	-	-	-	-	-
VB 89 ETC	-	-	4 500	-	6 222	-	6 802	7 342	-	-	-	-	-	-
VDT-V 89 ETC	-	-	4 800	-	6 642	-	7 242	7 882	-	-	-	-	-	-
MB 122 ETC	2 242	-	4 456	-	6 076	-	-	6 828	7 454	8 050	8 575	9 070	9 679	9 878
VDT 121 ETC	2 442	-	4 903	-	6 680	-	-	7 531	8 193	-	-	10 029	10 675	10 975

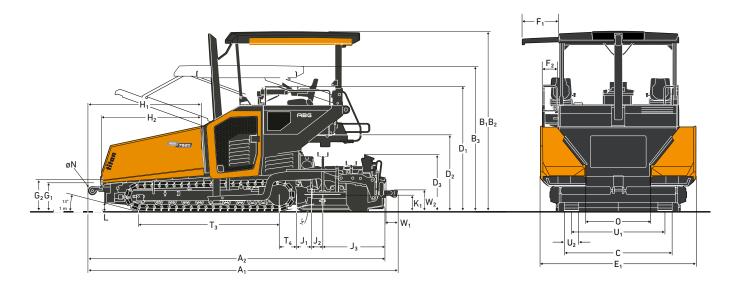
¹ Including auger extensions, channel plates, end gates, towing arms rear, etc.

SPECIFICATIONS 13

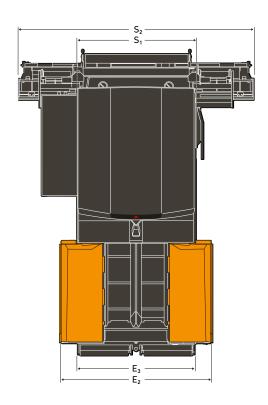
² All screeds electrically heated

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DIMENSIONS



DII	MENSIONS [mm]	ABG 7820	ABG 8820
A ₁	OPERATING LENGTH	6388	6696
A ₂	SHIPPING LENGTH	6120	6446
B ₁	OPERATING HEIGHT	3785	3952
B ₂	HEIGHT WEATHER ROOF	3785	3952
Вз	SHIPPING HEIGHT	2910	3078
С	TRACTOR WIDTH	2548	2548
D_1	HEIGHT RAILING	2640	2807
D ₂	DECK HEIGHT	1615	1782
D ₃	SCREED HEIGHT	951	951
E ₁	OUTER HOPPER WIDTH	3255	3342
E ₂	INNER HOPPER WIDTH	3175	3260
E ₃	WIDTH OSCILLATING BEAM	2495	2495
F ₁	EXTENSION WEATHER ROOF	770	770
F ₂	SEAT CONSOLE EXTENSION	317	317
G ₁	INNER LOADING HEIGHT	525	589
G ₂	OUTER LOADING HEIGHT	607	629
H ₁	HOPPER LENGTH TO PUSH ROLLER	2329	2329
H ₂	HOPPER LENGTH	2201	2201
J_1	DISTANCE REAR WALL AUGER CENTRE	275	275
J_2	DISTANCE AUGER SCREED	265	283
J ₃	SCREED DEPTH	1297	1297
K_1	AUGER HEIGHT TO GROUND (CENTER)	360 ± 60	422 ± 100
K ₂	DIAMETER AUGER	360	360
L	GROUND CLEARANCE	155	166
Ν	DIAMETER PUSH ROLLER	160	160
0	CONVEYOR WIDTH	1345	1430
S ₁	BASIC SCREED WIDTH	2500 / 3000	2500 / 3000
S_2	EXTENDED SCREED WIDTH	5000 / 6000	5000 / 6000
T ₃	TRACK LENGTH	3000	3120
T ₄	TRACK DISTANCE TO REAR WALL	399	475
U_1	TRACKS CENTRE TO CENTRE	1969	2010
U_2	TRACK PAD WIDTH	300	325
W_1	WIDTH OF WALKWAY	305	305
W_2	HEIGHT OF WALKWAY	435	435





EQUIPMENT

STANDARD	ABG 7820	ABG 8820
ENGINE		
DEUTZ (VOLVO) DIESEL ENGINE, EU STAGE V	~	~
DRIVE		
ELECTRONIC DRIVE CONTROL	~	
AUTOMATIC TRACK TENSIONER	~	~
LIFETIME LUBRICATED CRAWLER TRACK ROLLERS	~	~
FORGED AND HARDENED CRAWLER TRACK LINKS	~	~
MATERIAL MANAGEMENT		
PROPORTIONAL CONVEYOR CONTROL	✓	
AUGER QUICK LOCK SYSTEM	- -	~
REVERSIBLE DIRECTION OF AUGER ROTATION	~	~
FOUR INDIVIDUAL HYDROSTATIC DRIVES FOR CONVEYORS AND AUGERS		
HYDRAULIC AUGER HEIGHT ADJUSTMENT	<u> </u>	· /
PROPORTIONAL ULTRASONIC SENSOR AUGER CONTROL	~	
HEAVY PUSH ROLLERS	·	
ELECTRICS AND ELECTRONICS		
ELECTRONIC PAVER MANAGEMENT (EPM 3)	✓	
SETTINGS MANAGER		
ECO MODE		~
SERVICE INTERVAL MANAGER		Ž
ADJUSTABLE AND REVOLVING CONTROL PANELS AT OPERATOR PLATFORM		Ž
FWO ADJUSTABLE AND REVOLVING SCREED CONTROL PANELS		· · ·
BATTERY MASTER SWITCH	· · · · · · · · · · · · · · · · · · ·	
ELECTRIC SWITCHING CABINET		
BACK-UP ALARM	<u> </u>	· ·
FOOL KIT		<u> </u>
FUEL THEFT DETECTION	<u> </u>	· ·
GENERATOR FOR ELECTRIC SCREED HEATING		· · · · · ·
	<u> </u>	
STRUCTURE	,	
MANUAL FOLDING ALL-WEATHER ROOF GLASS-FIBRE REINFORCED PLASTIC (GRP)	~	
TWO SEATS, LATERALLY EXTENDABLE	✓	~
NTEGRATED VANDALISM PROTECTION	~	~
NEAR FIELD MIRRORS AT WEATHER ROOF	✓	~
STORAGE COMPARTMENTS UNDER BOTH SEATS	✓	<u> </u>
ABG KEY	✓	~
CUP HOLDER	✓	<u> </u>
USB CHARGING SOCKETS	✓	~
SCREED		
SCREED LOCK	~	~
SPLIT TOWING ARMS	~	~
HYDRAULICS FOR VARIO SCREEDS WITH TAMPER AND VIBRATION	~	~
QUICK COUPLING SYSTEM FOR VARIO SCREEDS	✓	~
HYDRAULIC CROWN ADJUSTMENT VARIO SCREEDS	✓	~
24V SOCKETS AT SCREED DISTRIBUTION BOX	✓	~
LIGHTS		
DPERATOR'S PLATFORM LIGHTING	✓	~
HOME LIGHT FUNCTION	✓	~
LAMP LEVELLING SCALE LED	✓	~
ENVIRONMENTAL		
SOUND INSULATION FOR ENGINE COMPARTMENT AND OPERATOR STATION	<u> </u>	

OPTIONAL	ABG 7820	ABG 8820
MATERIAL MANAGEMENT		
REVERSIBLE CONVEYOR	~	~
INDIVIDUAL OPERATING HOPPER WINGS	~	~
HYDRAULICALLY OPERATED FRONT APRON	~	~
AUGER QUICK LOCK SYSTEM	~	-
HEAVY DUTY AUGER	~	~
AUGER EXTENSIONS AND ADDITIONAL AUGER BEARINGS	~	~
HEAVY DUTY CONVEYOR COVER	~	~
FRONT TRACK SCRAPER HYDRAULIC	~	~
SMART DOCK	~	~
SOFT DOCK	~	~
FEEDER STOP SENSOR	~	~
PROTECTIVE HALF SHELLS	~	~
CENTRAL LUBRICATION	~	~
ELECTRICS AND ELECTRONICS		
LEVELLING EQUIPMENT	~	~
ADDITIONAL SOCKET 230V	~	~
AMMANN SERVICELINK	~	~
CASE FOR CONTROL PANELS	~	~
LATERAL EMERGENCY STOP	~	~
HIGH AMBIENT TEMPERATURE FAN	~	~
TRACTION ISOLATOR SWITCH	~	~
ON-BOARD DIAGNOSTIC FUNCTION FOR MANUAL SCREED HEATING BARS	~	~
WHITE NOISE ALARM	~	~
STRUCTURE		
DELUXE SEATS WITH HEATING	~	~
ELECTROHYDRAULIC POWERED WEATHER ROOF	~	~
TARPAULIN SIDE CURTAINS FOR WEATHER ROOF	~	~
FRONT BALLAST WEIGHT	~	~
CUSTOM COLOUR	~	~
FRONT WINDSCREEN	~	~

OPTIONAL	ABG 7820	ABG 8820
SCREED		
SCREED ANTI-CLIMBING LOCK	~	~
SCREED ASSIST	~	~
HYDRAULIC HEIGHT ADJUSTMENT OF EXTENDABLE SCREEDS	~	~
HYDRAULICALLY ADJUSTABLE POWER-FLOAT SCREED END GATES	~	~
SCREED SPACER BLOCKS	~	~
SCREED LOAD DEVICE	~	~
SCREED TENSIONING DEVICE	~	~
SPECIAL PROFILES VB 79 / VB 89	~	~
FOLDABLE SCREED WALKWAY	~	~
LIGHTS		
WARNING BEACON LED	~	~
BASIC KIT HALOGEN	~	~
BASIC KIT LED	~	~
WORK PLUS KIT LED	~	~
FULL NIGHT KIT LED	~	~
TWO BALLOON LIGHTS LED	~	~
ENVIRONMENTAL		
EXTRACTOR FOR BITUMINOUS FUMES	~	~
EMULSION SPRAYING SYSTEM WITH HOSE REEL	~	~
HEAVY-DUTY SPRAY CLEANING GUN	~	~
BIODEGRADEABLE HYDRAULIC OIL	~	~

SPECIFICATIONS 17

KEEP PAVERS PRODUCTIVE WITH ABG WEAR PARTS AND SERVICE KITS

Take the guesswork out of your maintenance with service kits for ABG pavers and screeds. The kits promote timely replacement of parts, preventing problems before they arise. Each kit is packed with all parts and accessories for your convenience.

One kit, many advantages

Service kits bring a proactive approach that significantly impacts uptime. Existing parts might look fine at a glance but can actually be weak links that stress the components around them. These unnoticed failing parts can also strain and prematurely wear newly installed replacements.

ABG wear parts and service kits ensure replacements in a timely manner, maximising performance and parts lifetime. The kits for ABG pavers and screeds have many additional advantages when it's time to carry out maintenance, repairs or overhauls.

Time savings

The kits are comprised of genuine ABG parts and accessories, which guarantee perfect fits. This reduces the time needed for installation and boosts uptime on the jobsite.

Extended component life

The parts utilise only OEM quality steel for exceptional abrasion resistance and durability.

High-quality paving

Genuine ABG parts optimise heat distribution and minimise wear across the screed, resulting in the high-quality finishes required on today's jobsites.

Precision-made parts

Kits ensure the latest OEM engineered design and tolerances are built into the screed. This is essential, as tolerances today can be as small as 2 mm.

Genuine tamper bars

Hardened tamper bars enable compaction quality, durability and paving efficiency.

Wide availability

The following types of service kits are available for all ABG paver models, both tracked and wheeled:

- Service kits
- Conveyor drive kits
- Conveyor kits
- Auger drive kits
- Auger shaft kits
- Auger flight kits
- Rubber track pad kits
- Screed wear kits

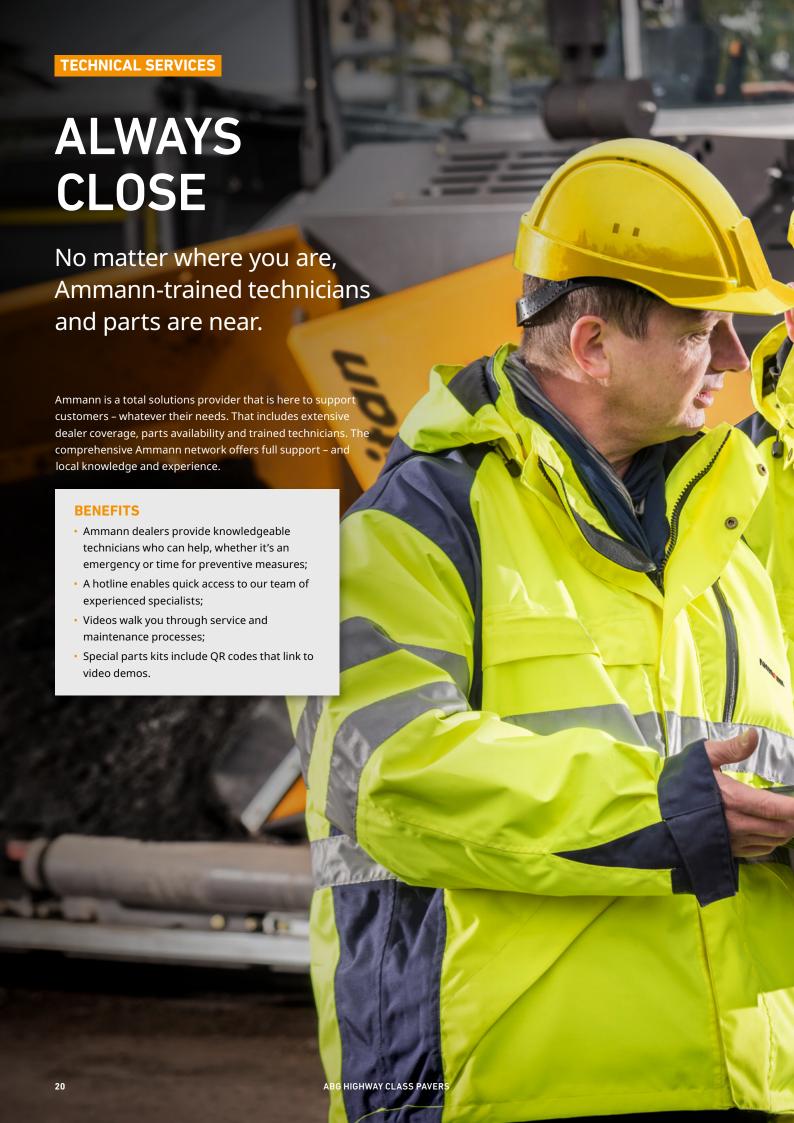
Cost advantage

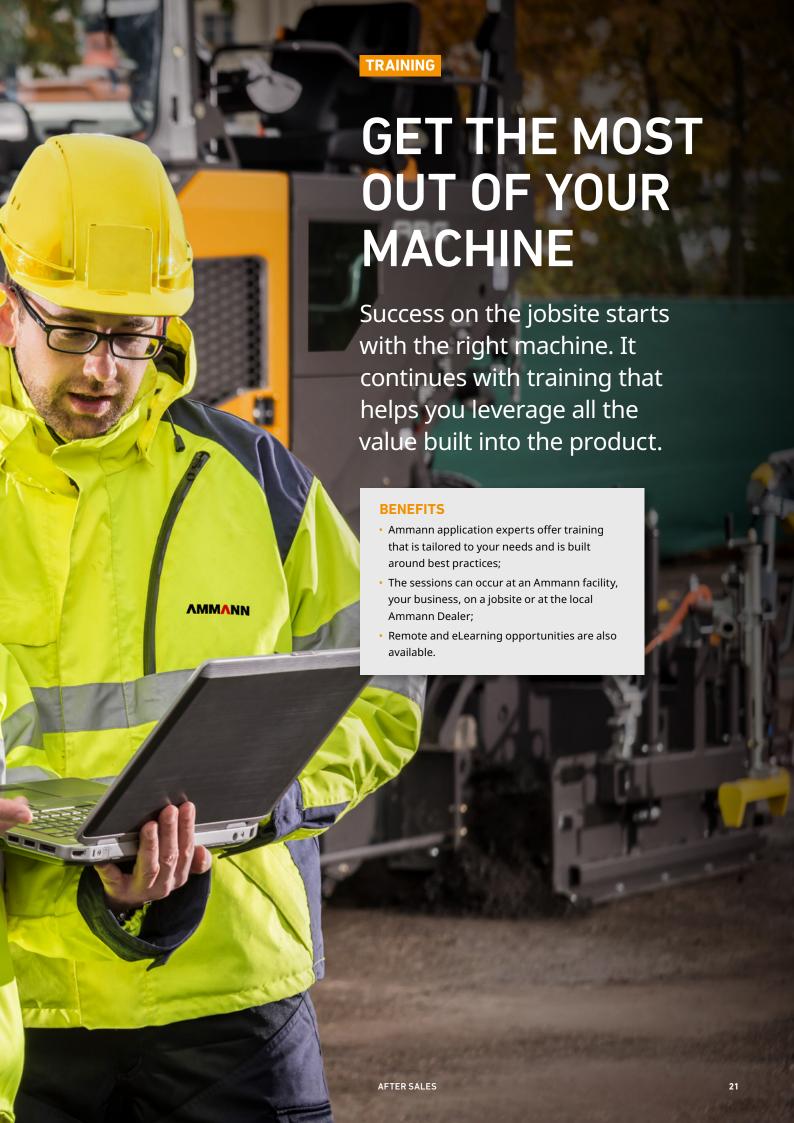
When ordering kits there is a price advantage compared to ordering the parts seperately.

For more information on ABG wear parts and service kits, please contact your local dealer.









AMMANN'S GLOBAL PRESENCE

An Innovative, Sustainable Business

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. We are committed to sustainability – in both the products we make and the ways we make them.

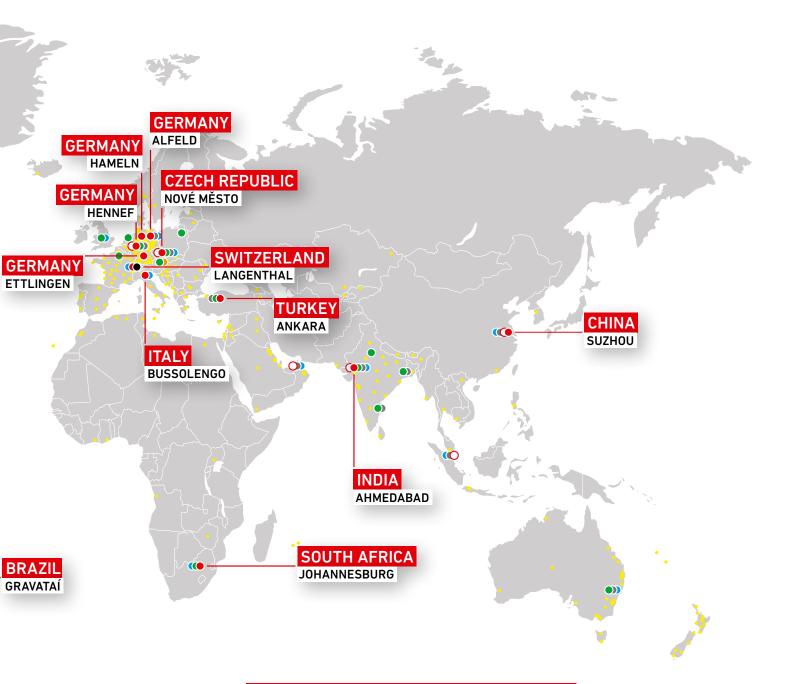
Our strengths are the forthcoming approach of a family firm that has been operating for many years, coupled with our strong and well-established international presence. Since 1869, we have been setting benchmarks in the road-building industry, thanks to countless innovations and solutions that are as 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.
Plants and machines that consistently
prove their merits under demanding
conditions are the best way to give our
customers the critical, competitive edge
they need.

Our reliable, punctual service network provides the essential spare parts that keep our customers working – and supports the plants and machines throughout their lifetimes.













MACHINES

LIGHT COMPACTION
SOIL & ASPHALT COMPACTION
ASPHALT PAVERS

GLOBAL DISTRIBUTION & SERVICE NETWORK

- HEADQUARTERS
- O REGIONAL SALES OFFICES
- SUBSIDIARIES
- AGENCIES & SALES PARTNERS
- MANUFACTURING FACILITIES
 & CENTRE OF COMPETENCE
- GLOBAL RETROFIT CENTRE
- WAREHOUSES
- TRAINING CENTRES



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