

CITY CLASS ASPHALT PAVERS

ABG 2820 ABG 2870

TRACKED | WHEELED

EU STAGE V | U.S. EPA TIER 4F



A SMALL YET
ADVANCED PAVER

AMMANN

CITY DWELLER

ABG City Class Pavers are the perfect choice for urban roadwork and other small- to mid-sized projects.

The pavers' proprietary hydraulic system helps the 55-kW engines deliver an outsized performance. The result is everything needed in an urban machine: efficient power, lower emissions, quieter operation and reduced fuel consumption.

The tracked ABG 2820 ensures firm gripping on challenging terrain. The ABG 2870 is the most compact wheeled paver from Ammann and provides high mobility on the jobsite.



ABG 2820



ABG 2870

ENGINE	55 kW Kubota (Volvo)	55 kW Kubota (Volvo)
PAVING RANGE	1.5–4.5 m	1.8–4.5 m
PAVING OUTPUT	330 t/h	330 t/h
EMISSIONS	EU Stage V U.S. EPA Tier 4F	EU Stage V U.S. EPA Tier 4F



PRODUCTION IN SMALL PACKAGES

ABG City Class Pavers deliver maximum performance in small- to mid-sized paving applications. The machines offer ease of operation, reliability and outstanding final results.

Talented all-rounder

The pavers are highly versatile, whether accessing narrow jobsites or quickly completing patch work. Flexible configurations, such as individually operated hopper wings and an electro-hydraulic foldable roof, help the pavers tackle a variety of jobs. ABG pavers without roofs, which make it easier to work beneath trees and overhanging structures, are also offered.

One machine, many solutions

The compact pavers, with 9-tonne hopper capacities, are strong enough to push a feed truck. Single and dual conveyors are available, with both delivering high hourly output. Proportional conveyors and augers are standard.

Easy to transport

The pavers are small enough to share a transport trailer with a compactor. When fitted with VB40 screeds, the pavers' screed extensions and endgates do not need to be disassembled for travel.

Efficiency at work

Productive engines and perfectly matched hydraulics ensure long paving times without a need for refueling.

ABG 2820 | ABG 2870 TALENTED ALL-AROUNDER

Operator-friendly features

ABG City Class Pavers are designed with operators in mind. The pavers have many of the advanced advantages that are more commonly associated with larger machines. Operators stay comfortable throughout the shift, thanks to fully customisable work stations, intuitive controls and exceptional visibility.

All-weather protection

A durable roof is equipped with soundproof insulation, and it slides to protect the operator when the seat is extended. Optional glazing on both sides of the platform provides additional wind protection.



The operator's choice

The EPM3 system is the same as that used by larger ABG Pavers. The display intuitively guides operators through individual functions. Quick adjustments can be made with the jog wheel.



Convenient storage

When the shift ends, the paving panel and two screed consoles can be stowed in a secure, built-in storage area.



Tailor-made comfort

For a truly personal level of comfort, operators can adjust their working position and switch from sitting to standing within seconds. The control panel can slide to the left and right sides of the paver and tilt 30° in all directions.



Get to work

Settings Manager, integrated within the Electronic Paver Management (EPM3) control system, allows operators to store and retrieve settings for individual projects.

A fast-heating screed, rising up to 3°C per minute, further supports fast and hassle-free machine setups.

SCREEDS THAT MEET NEEDS

Advanced screed features help crews deliver smooth, pre-compacted, high-quality finished surfaces. Intuitive controls leverage all the value built into ABG screeds.

Smarter endgate control

Hydraulically controlled endgates eliminate the need for manual adjustments, keeping operators safely away from traffic and ensuring clean side finishes. The slim design facilitates paving operations close to a wall.

Adjustable screed console

The screed console can be rotated in any direction, allowing the operator to easily position it for jobsite requirements and personal preferences. The button layout is optimised for convenience and ease of operation.

Variomatic VB30 screed

The VB30 tamping and vibrating screed features a robust guide system and hydraulic crown. It can be extended to double the basic width, from 1.5 to 3 metres. Screed extensions can stretch the paving width to 4 metres.



WORKING WIDER

The VB40 screed works at widths up to 4.5 m. In some scenarios, it can be transported without disassembling the smaller extension boxes (26 cm) and endgates. The screed features a tiltable walkway, choice of mechanical or hydraulic screed crown, and lifetime-lubricated tamper and vibration bearings.



SAVINGS AFTER THE SALE

The after-treatment system consists solely of a diesel particulate filter (DPF). There are no requirements for selective catalytic reduction (SCR) or diesel exhaust fluid (DEF). Therefore, there is no SCR maintenance and no need to replace DEF.



Simple maintenance

ABG City Class Pavers have only three lubricating points, streamlining service. Drain hoses for fluids and easy battery access add further convenience. Conveyor bearings are maintenance-free and lubricated for life.



Advanced telematics

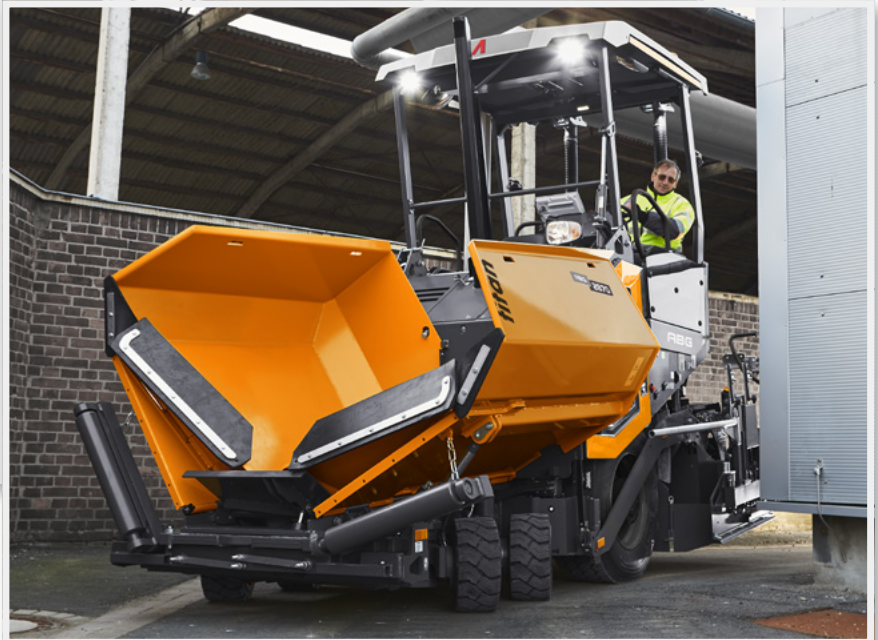
A state-of-the-art telematics system designed for ABG Pavers provides reports, alarms and information such as fuel status, machine location, hours and service needs.

UNDERCARRIAGE CHOICES

ABG City Class Pavers are available with tracked or wheeled undercarriages. Both machines are powerful enough to pave while pushing trucks. Yet both are small enough to share a transport trailer with a compactor – without disassembling the shorter screed extensions and endgates

Wheeled undercarriage

- The integrated power steering function helps reduce the turning radius to 2 m;
- The paver can travel up to 16 km/h;
- A 6-by-4-wheel-drive undercarriage provides comfort when travelling between jobs;
- Ride levellers, unique in this class, draw on technology from the larger ABG Pavers and offer unrivalled ride comfort.



Tracked Undercarriage

- A proprietary automatic track tensioner delivers the smoothest of starts. It also increases uptime and lowers operating costs;
- Bolts are conveniently located inside the tracks to enable fast, convenient pad swaps;
- A 150-mm increase in length (when compared to the previous model) improves balance and traction;
- Durable track scrapers ensure a smoother finish.



SPECIFICATIONS

ENGINE		ABG 2820	ABG 2870
MANUFACTURER		Kubota (Volvo)	Kubota (Volvo)
MODEL		D3.8H	D3.8H
FUEL		Diesel	Diesel
OUTPUT	kW	55.4	55.4
	hp	75.3	75.3
AT ENGINE SPEED	r/min	2 200	2 200
COOLANT		Liquid	Liquid
FUEL TANK CAPACITY	l	110	110
EXHAUST EMISSION		EU Stage V U.S. EPA Tier 4F	EU Stage V U.S. EPA Tier 4F

PAVING

OUTPUT (THEORETICAL)*			
with single conveyor	t/h	330	330
with double conveyor	t/h	230	230
MAT THICKNESS (MAX)	mm	250	250

*The actual paving output depends upon the mat thickness, the paving width and paving speed and will vary according to paving conditions prevailing on your jobsite.

SPEED

PAVING (MAX)	m/min	20	20
TRANSPORT (MAX)	km/h	4.5	16

CONVEYOR

HOPPER CAPACITY	t	9	9
NUMBER OF CONVEYORS		1 or 2	1 or 2
CONVEYOR SPEED (MAX)	m/min	17.9	17.9

AUGER

NUMBER OF AUGERS		2	2
SPEED (MAX)	1/min	72	72
DIAMETER	mm	300	300

UNDERCARRIAGE

		ABG 2820	
LENGTH	mm	1 833	-
WIDTH (TRACK PLATES)	mm	160	-

PROPULSION

DRIVE UNITS REAR	no.	2	-
DRIVE UNITS FRONT	no.	2	-

WHEEL/TIRES

REAR WHEELS			ABG 2870
TYPE		-	Pneumatic tyres
NUMBER	no.	-	2
DIMENSION		-	365 / 80 R20
FRONT STEERING WHEELS			
TYPE		-	Elastic tyres
NUMBER	no.	-	4
DIAMETER	mm	-	457
WIDTH	mm	-	229

DIMENSIONS

		ABG 2820	ABG 2870
LENGTH WITH VB 40 SCREED (WALKWAY UP)	mm	4 871	4 871
LENGTH WITH VB 30 SCREED	mm	5 300	5 300
WIDTH	mm	1 740	1 740
HEIGHT	mm	3 994	3 994
HEIGHT (TRANSPORT)	mm	2 899	2 899

WEIGHT

TRACTOR UNIT	kg	8 155	7 635
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Approximative weight, without options.

Diesel tank half-full, 75 kg operator, standard hopper and weather roof included.

MAX. ALLOWABLE GRADEABILITY

TRACTOR UNIT + SCREED	%	36	36
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When using extensions the max. allowable gradeability will be reduced.

SOUND LEVEL

L _{PA} Sound Pressure Level at Driver's Ear, acc. to ISO 11201	dB	85	85
L _{WA} Guaranteed Sound Power Level, acc. to Directive 2000/14/EC	dB	106	106

VIBRATION

HAND-ARM VIBRATION accord. to ISO 5349:2001	m/s ²	<2.5	<2.5
WHOLE BODY VIBRATION accord. to ISO 2631:1997	m/s ²	<0.5	<0.5

ELECTRICAL SYSTEM

BATTERY VOLTAGE	V	24	24
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OPERATING WEIGHTS* OF SCREEDS IN KG

AT WORKING WIDTH	3.0 m	3.5 m	4.0 m	4.5 m
ABG 2820				
VB30 ETC MIN	1 856	-	2 260	-
VB30 ETC MAX	1 873	-	2 277	-
ABG 2820 ABG 2870				
VB40 ETC MIN Mechanical crown control and standard end-gates	-	1 638	1 977	2 186
VB40 ETC MAX Hydraulic crown and hydraulic end-gates	-	1 720	2 058	2 267

* Including auger extensions, channel plates, end-gates.

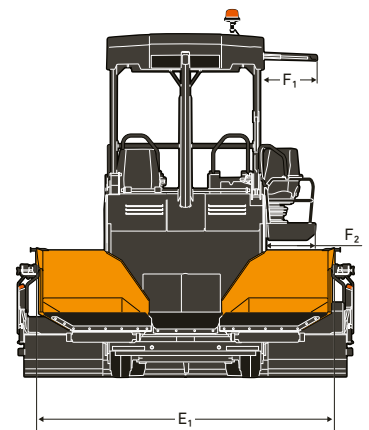
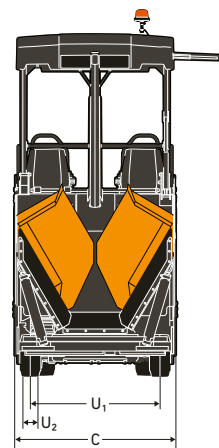
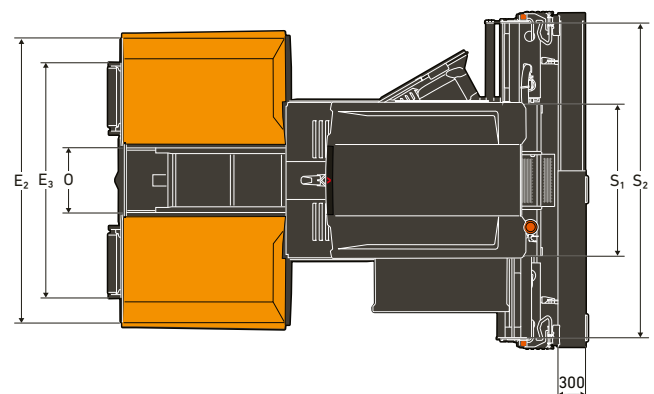
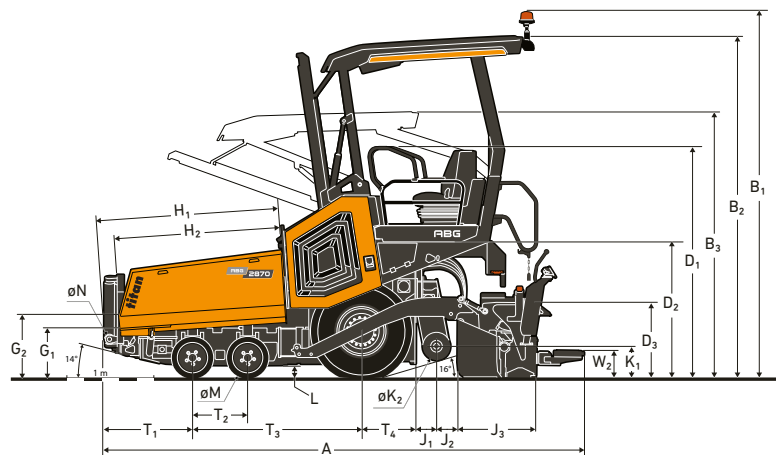
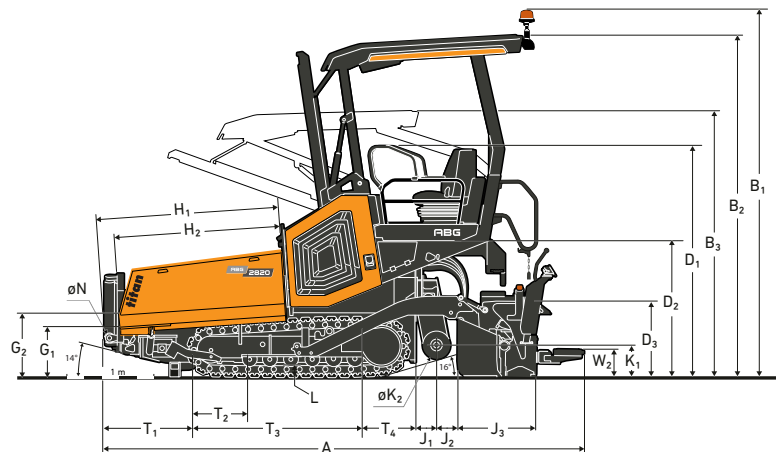
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DIMENSIONS

DIMENSIONS [mm]

DIMENSIONS [mm]		ABG 2820	ABG 2870
A	OPERATING LENGTH	5 300	5 320
B ₁	OPERATING HEIGHT	3 995	3 995
B ₂	HEIGHT WEATHER ROOF	3 720	3 720
B ₃	SHIPPING HEIGHT	2 899	2 899
C	TRACTOR WIDTH	1 740	1 740
D ₁	HEIGHT RAILING	2 523	2 523
D ₂	DECK HEIGHT	1 493	1 493
D ₃	SCREED HEIGHT	877	877
E ₁	OUTER HOPPER WIDTH	3 240	3 240
E ₂	INNER HOPPER WIDTH	3 103	3 103
E ₃	WIDTH OSCILLATING BEAM	2 559	2 559
F ₁	EXTENSION WEATHER ROOF	580	580
F ₂	SEAT CONSOLE EXTENSION	542	542
G ₁	INNER LOADING HEIGHT	552	552
G ₂	OUTER LOADING HEIGHT	701	701
H ₁	HOPPER LENGTH TO PUSH ROLLER	1 985	1 985
H ₂	HOPPER LENGTH	1 805	1 805
J ₁	DISTANCE REAR WALL AUGER CENTRE	225	225
J ₂	DISTANCE AUGER SCREED	230	230
J ₃	SCREED DEPTH	850	850
K ₁	AUGER HEIGHT TO GROUND (CENTER)	350-90	350-90
K ₂	DIAMETER AUGER	300	300
L	GROUND CLEARANCE	145	145
M	DIAMETER WHEEL	-	459
N	DIAMETER PUSH ROLLER	110	160
O	CONVEYOR WIDTH	710	710
S ₁	BASIC SCREED WIDTH VB 30	1 500	-
S ₁	BASIC SCREED WIDTH VB 40	1 800	1 800
S ₂	EXTENDED SCREED WIDTH VB 30	3 000	-
S ₂	EXTENDED SCREED WIDTH VB 40	3 500	3 500
T ₁	FRONT WHEEL/TRACK TO PUSH ROLLER	960	960
T ₂	DISTANCE FRONT WHEELS	-	600
T ₃	TRACK LENGTH/WHEEL BASE	1 833	1 833
T ₄	TRACK/WHEEL DISTANCE TO REAR WALL	589	589
U ₁	WHEEL/TRACK GAUGE WHEELS/TRACKS CENTRE TO CENTRE	1 150	1 410
U ₂	TRACK PAD WIDTH/WHEEL WIDTH	260	260
W ₁	WIDTH OF WALKWAY	300	300
W ₂	HEIGHT OF WALKWAY	295	295



EQUIPMENT

STANDARD	ABG 2820	ABG 2870	OPTIONAL	ABG 2820	ABG 2870
ENGINE					
KUBOTA (VOLVO) DIESEL ENGINE, EU STAGE V	✓	✓			
DRIVE					
ELECTRONIC DRIVE CONTROL	✓	✓			
LOAD DEPENDENT EFFICIENT DRIVE SYSTEM	✓	✓			
AUTOMATIC TRACK TENSIONER	✓	–			
LIFETIME LUBRICATED CRAWLER TRACK ROLLERS	✓	–			
FORGED AND HARDENED CRAWLER TRACK LINKS	✓	–			
SMART RUBBER PADS	✓	–			
INDEPENDENT REAR WHEEL DRIVES	–	✓			
DRIVEN FRONT AXLE	–	✓			
HYDRAULIC RIDE LEVELERS	–	✓			
ACTIVE STEERING	–	✓			
REAR WHEELS WITHOUT BALLAST	–	✓			
MATERIAL MANAGEMENT					
PROPORTIONAL CONVEYOR CONTROL	✓	✓			
REVERSIBLE DIRECTION OF AUGER ROTATION	✓	✓			
SINGLE CONVEYOR	✓	✓			
MECHANICAL AUGER HEIGHT ADJUSTMENT	✓	✓			
OSCILLATING CROSS BEAM WITH TWO MOUNTING POSITIONS	✓	✓			
PUSH ROLLER	110 mm	160 mm			
ELECTRICS AND ELECTRONICS					
ELECTRONIC PAVER MANAGEMENT (EPM 3)	✓	✓			
SETTINGS MANAGER	✓	✓			
SERVICE INTERVAL MANAGER	✓	✓			
ADJUSTABLE AND SLIDEABLE CONTROL STATION	✓	✓			
TWO ADJUSTABLE AND REVOLVING SCREED CONTROL PANELS	✓	✓			
BATTERY MASTER SWITCH	✓	✓			
ELECTRIC SWITCHING CABINET	✓	✓			
BACK-UP ALARM	✓	✓			
TOOL KIT	✓	✓			
STRUCTURE					
MANUAL FOLDING ALL-WEATHER ROOF GLASS-FIBRE REINFORCED PLASTIC (GRP)	✓	✓			
TWO SWING OUT SEATS	✓	✓			
STORAGE COMPARTMENT UNDER WEATHER ROOF	✓	✓			
NEAR FIELD MIRRORS AT WEATHER ROOF	✓	✓			
ABG KEY	✓	✓			
SCREED					
VB 30 ETC 1.50–3.0 M	✓	–			
VB 40 ETC 1.80–3.50 M	–	✓			
MECHANICAL CROWN ADJUSTMENT	✓	✓			
SCREED LOCK	✓	✓			
SPLIT TOWING ARMS	✓	✓			
LIGHTS					
BASIC KIT HALOGEN	✓	–			
OPERATOR'S PLATFORM LIGHTING	✓	✓			
HOME LIGHT FUNCTION	✓	✓			
ENVIRONMENTAL					
SOUND INSULATION FOR ENGINE COMPARTMENT AND OPERATOR STATION	✓	✓			
MATERIAL MANAGEMENT					
TWO INDEPENDENT CONVEYORS	✓	✓			
REVERSIBLE CONVEYOR	✓	✓			
PUSH ROLLER	160 mm	–			
INDIVIDUAL OPERATING HOPPER WINGS	✓	✓			
HYDRAULICALLY OPERATED FRONT APRON	✓	✓			
STANDARD PUSH-ROLLER PLUS 100 MM MORE SPACE	✓	✓			
PROPORTIONAL ULTRASONIC AUGER CONTROL	✓	✓			
ELECTRICS AND ELECTRONICS					
LATERAL EMERGENCY STOP	✓	✓			
ADDITIONAL SOCKET 230V 50HZ	✓	✓			
TRACTION ISOLATOR SWITCH	✓	✓			
LEVELLING EQUIPMENT	✓	✓			
CASE FOR CONTROL PANELS	✓	✓			
STRUCTURE					
DELUXE SEATS WITH HEATING AND USB CHARGER	✓	✓			
ELECTROHYDRAULIC POWERED WEATHER ROOF	✓	✓			
SEAT SIDE WINDSHIELD	✓	✓			
WITHOUT WEATHER ROOF	✓	✓			
SCREED					
SCREED ANTI-CLIMBING LOCK	✓	–			
SCREED ASSIST	✓	✓			
HYDRAULIC END-GATES (VB 40)	✓	✓			
HYDRAULIC HEATED END-GATES (VB 40)	✓	✓			
HYDRAULIC CROWN ADJUSTMENT	✓	✓			
PAVING WIDTH REDUCTION	✓	✓			
EDGING SHOES	✓	✓			
LIGHTS					
BASIC KIT LED	✓	✓			
BASIC NIGHT KIT LED	✓	✓			
WARNING BEACON LED	✓	✓			
ENVIRONMENTAL					
EXTRACTOR FOR BITUMINOUS FUMES	✓	✓			
INTEGRATED EMULSION SPRAYING SYSTEM WITH HOSE REEL	✓	✓			
HIGH PERFORMANCE SPRAY CLEANING UNIT	✓	✓			
BIODEGRADABLE HYDRAULIC OIL AND BYPASS FILTER	✓	✓			

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

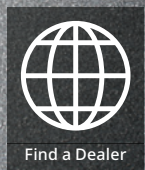
The following types of service kits are available for all ABG paver models, both tracked and wheeled:

- 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 separately.

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



BENEFITS OF AMMANN ORIGINAL SPARE PARTS

- are engineered with Swiss precision and thoroughly tested to fit your machines perfectly;
- provide quality that guarantees long life;
- come with a 12-month warranty;
- reduce downtime through availability and streamlined logistics.



ALWAYS CLOSE

No matter where you are,
Ammann-trained technicians
and parts are near.

BENEFITS

- Ammann dealers provide knowledgeable technicians who can help, whether it's an emergency or time for preventive measures;
- A hotline enables quick access to our team of experienced specialists;
- Videos walk you through service and maintenance processes;
- Special parts kits include QR codes that link to video demos.



TRAINING

GET THE MOST OUT OF YOUR MACHINE

Success on the jobsite starts with the right machine. It continues with training that helps you leverage all the value built into the product.

BENEFITS

- Ammann application experts offer training that is tailored to your needs and is built around best practices;
- The sessions can occur at an Ammann facility, your business, on a jobsite or at the local Ammann Dealer;
- Remote and eLearning opportunities are also available.

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.

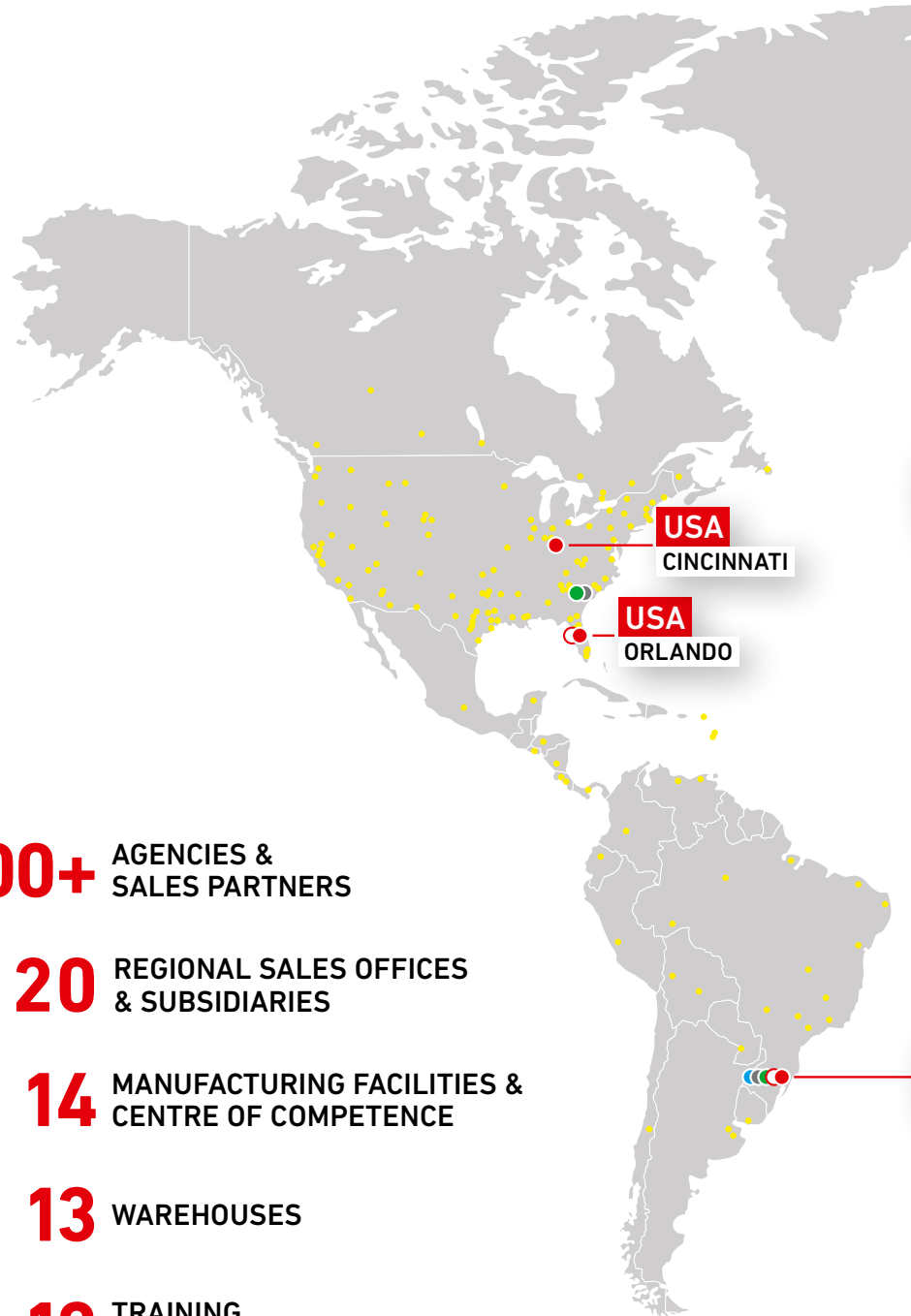
200+ AGENCIES & SALES PARTNERS

20 REGIONAL SALES OFFICES & SUBSIDIARIES

14 MANUFACTURING FACILITIES & CENTRE OF COMPETENCE

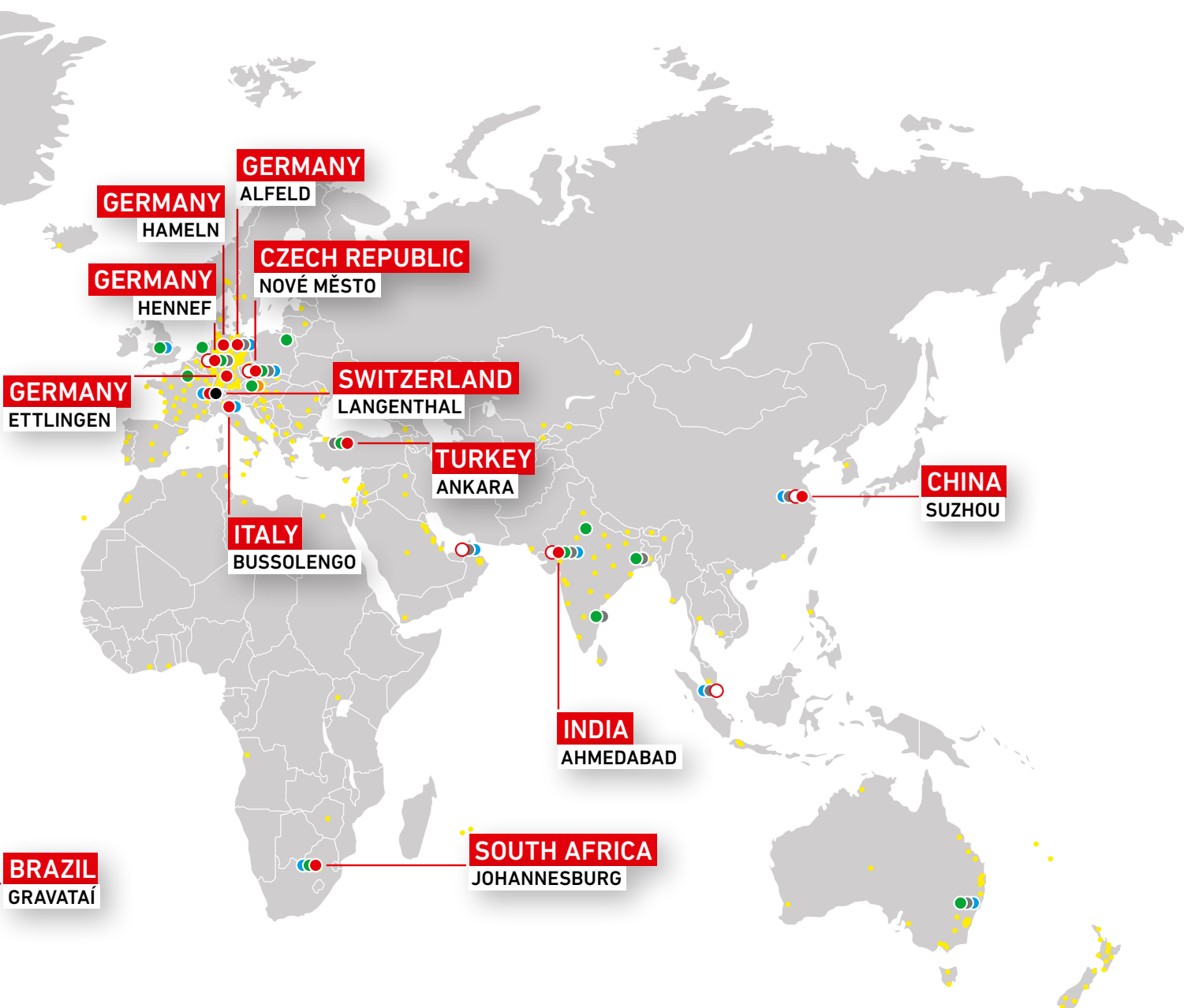
13 WAREHOUSES

12 TRAINING CENTRES



PLANTS

ASPHALT-MIXING PLANTS
CONCRETE-MIXING PLANTS



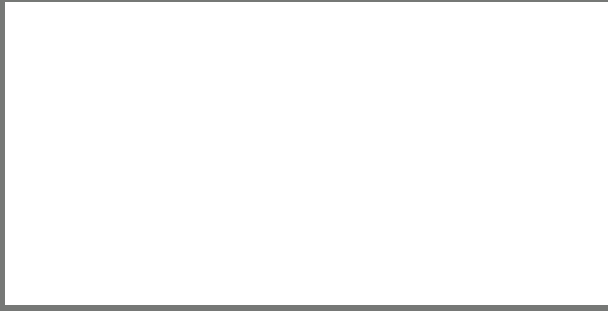
GLOBAL DISTRIBUTION & SERVICE NETWORK

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



MACHINES

LIGHT COMPACTION
SOIL & ASPHALT COMPACTION
ASPHALT PAVERS



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