

WHAT SEPARATES AMMANN TRENCH ROLLERS?

PRODUCTIVITY, ERGONOMICS, SERVICEABILITY SET
THESE MACHINES APART



ARR 1575

Operating weight: 1340 / 1440 kg (2950 / 3170 lb)
Maximum weight: 1450 kg (3200 lb)
Drum width: 640 / 850 mm (25.2 / 33.5 in)
Engine: Yanmar – 14.6 kW (20 HP)
EU Stage V / U.S. EPA Tier 4 Final
Frequency: 40 Hz (2400 VPM)
Amplitude: 0.6–1.1 mm (0.024–0.0043 in)
Centrifugal force: 36–75kN (8093.1–16 860lbf)



ARR 1585

Operating weight: 1305 / 1395 kg (2880 / 3080 lb)
Maximum weight: 1315 / 1405 kg (2900 / 3100 lb)
Drum width: 630 / 850 mm (24.8 / 33.5 in)
Engine: Hatz – 13.2 kW (18 HP)
EU Stage V / U.S. EPA Tier 4 Final
Frequency: 30 Hz (1800 VPM)
Amplitude: 2.4 mm (0.094 in)
Centrifugal force: 86 kN (19 333 lbf)



ARR 1575

PRODUCTIVITY

Two-stage vibrator

Two different settings for amplitude and vibration enable usage on diverse jobsites

Articulated joint with oscillation

Provides exceptional manoeuvrability and constant ground contact

Drum extensions

Easily adjust working widths for added productivity

ERGONOMICS

Infrared remote control

Safest solution; operator must have direct visibility for the machine to run

Solar power cells

Machine is always ready to work without additional remote control charging

Automatic pairing of machine control

Automatically determines the right communication frequency

SERVICEABILITY

Maintenance-free parts

Reduce time required for machine maintenance and prevent damage to components

Tool-free daily inspection

Daily maintenance possible without tools

Bolted frame

Clever solution for quick and easy machine servicing



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

ARR 1585

PRODUCTIVITY

Compaction output
Fast, precise compaction in the fewest possible passes

Skid-steer concept
Unique steering properties and turning «on-spot»

Traction
Powerful propulsion drive system and excellent machine weight distribution for unrivaled traction in slopes

ERGONOMICS

Machine controls
Various controls are available: manual, cable control or infrared remote control

Infrared remote control
Safest solution; operator must have directly visibility for the machine to run

Operator protection
Increased safety during machine operation

SERVICEABILITY

Maintenance-free parts
Reduce time required for machine maintenance and prevent damage to components

Tool-free daily inspection
Daily maintenance possible without tools

Protective frame and covers
Maximum protection of all key components

WINNING IN THE TRENCHES

Rammax (today part of Ammann Group) invented trench rollers more than 40 years ago. Since then, efforts have been made to improve the machines while also preserving what makes them successful. The longevity of the product line and the continuation of the varied versions prove Ammann's commitment to this market.

WIDE-OPENING HOODS

Excellent access to all main machine components for easy serviceability.

ACE SYSTEM

Intelligent compaction system continuously measures compaction progress and communicates in real-time via LED stripes.

ENGINE

Meets the latest emission standards.



ARTICULATED JOINT WITH OSCILLATION

Connects the front and rear frame and ensures balanced weight distribution and permanent ground contact.

MAINTENANCE-FREE PARTS

Vibratory unit with maintenance free components

CENTRAL LIFTING HOOK

The central machine lifting point is conveniently located and easy to reach.

CONTROLS

Operators can choose between manual, cable or infra-red controls.

SKID-STEER CONCEPT

Manoeuvrable with 360° on-the-spot turning.

FOUR DRIVE WHEELS

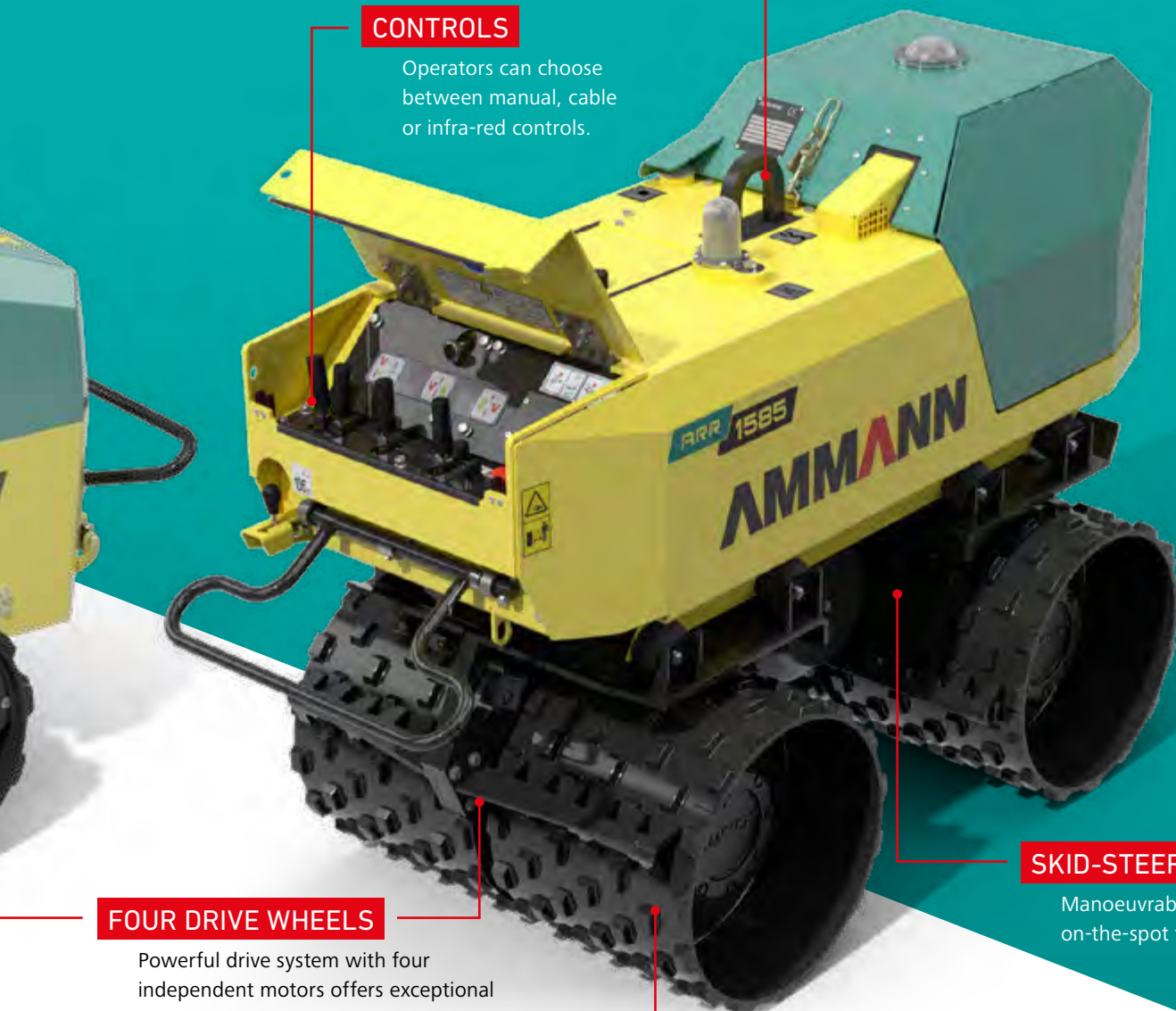
Powerful drive system with four independent motors offers exceptional machine traction on steep grades.

VARIABLE WORKING WIDTHS

Drum extensions enable varied working widths –
ARR 1575: 640 mm (25.2 in) or 850 mm (33.5 in)
ARR 1585: 630 mm (24.8 in) or 850 mm (33.5 in)

ROBUST DESIGN

Protects all key components, even in the toughest conditions.



TACKLE STUBBORN SOILS

THESE MACHINES OVERCOME THE MOST CHALLENGING MATERIALS

Trench work is difficult, but Ammann ARR Trench Rollers are ready for the challenge. Multiple machine features help make operators efficient and improve productivity. The vibratory systems, as well as two different machine types, ensure the rollers overcome the varied materials they often encounter.

ARR 1575

Two-stage vibrator

An innovative, two-stage vibratory system supplies the high compaction output that makes the machine an invaluable tool on the jobsite. Adjustable eccentric weights enable two different settings for amplitude and centrifugal force. This provides higher variable performance, depending on layer thickness and materials, helping the crew reach density targets in fewer passes. Eliminating unnecessary passes is essential to jobsite profitability.

Articulated joint with oscillation

Two steering cylinders offer great responsiveness and precision. A central steering joint with integrated oscillation features Teflon-coated bearing. The articulation joint connects the front and rear frame and ensures balanced weight distribution and constant ground contact.

Drum extensions

Drum construction enables two working widths. The basic working width of 640 mm (25.2 in) can be extended to 850 mm (33.5 in), which improves productivity in wider trenches. Conversely, the working width can be narrower in tighter trenches. This innovative solution is appreciated by rental fleets, which can meet varied needs with a single machine.

“Ammann Trench Rollers excel in a variety of applications, including difficult cohesive soils.”



ARR 1585

High compaction output

The central vibratory system supplies industry-leading compaction output that makes the machine an invaluable tool on the jobsite. The high centrifugal force ensures effective results on varied jobsites and helps the crew reach density targets in fewer passes.

Skid-steer concept

The skid-steer concept with independent drum steer control brings unique manoeuvrability. The machine offers 360° "on-the-spot" turning for productivity in tight spaces – and operator comfort, too.

Excellent traction

Four drive motors in each drum, combined with easy directional changes of the exciter, bring additional power to the drive system – crucial in challenging conditions. Drums provide well-balanced weight distribution and a low centre of gravity that helps the machine excel on slopes and uneven surfaces.

Trench rollers perform well in cohesive soil types that can be difficult to compact. The Ammann ARR 1575 and ARR 1585 are able to overcome the high moisture content in clays through their extreme compaction energy and the tamping effect of their padfoot drums. The machines perform effectively and quickly on less challenging soils, too.

APPLICATION

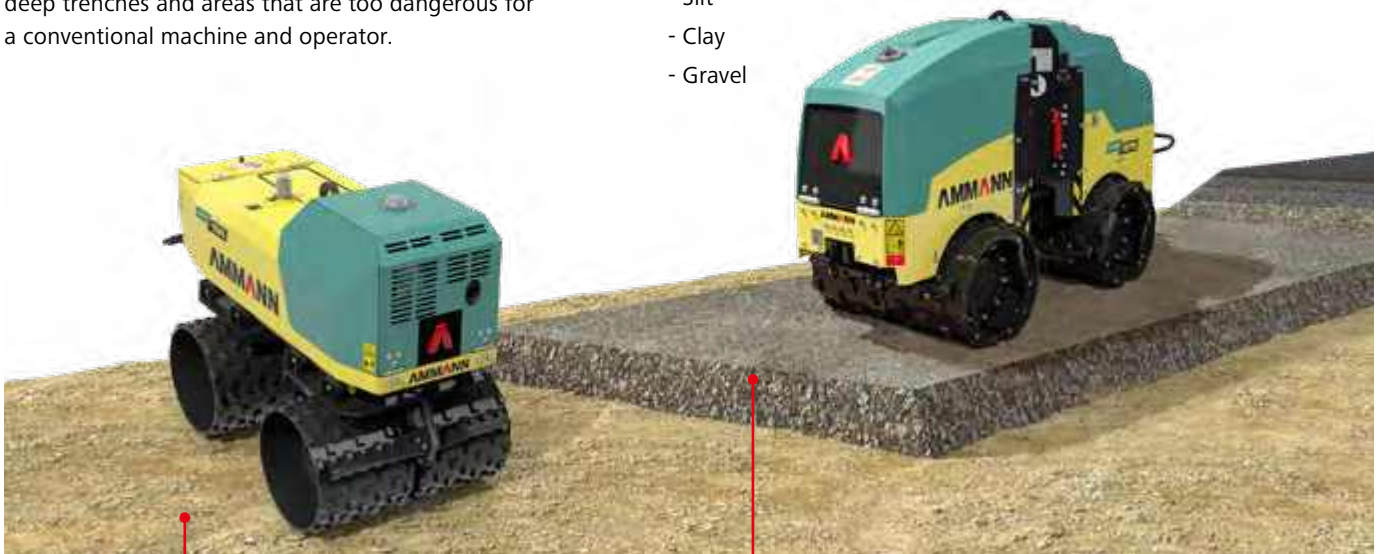
Robust construction enables the rollers to perform on the most rugged jobsites – including those that would damage lesser machines. Jobsites include deep trenches and areas that are too dangerous for a conventional machine and operator.

Suitable:

- Sand
- Mixed soils
- Silt
- Clay
- Gravel

Not suitable:

- Rockfill
- Asphalt layers



SUB-GRADE

SUB-BASE COURSE



SEE FOR YOURSELF

INFRARED REMOTE CONTROL KEEPS OPERATORS SAFE

An innovative control system includes a wide range of features that enable easy operation and increased safety on the jobsite.

ARR 1575

Infrared remote control

The infrared remote control is ergonomic, robust and waterproof. The control won't engage unless the operator has direct visibility of the machine, maximising jobsite safety.

Solar power cells

A dual charging system ensures the machine is always ready to go. The technologically advanced solar power cell can charge the remote control during the day or can be charged directly from the machine via cable connection.

Automatic pairing of machine control

The remote control and machine are automatically paired on a unique frequency. This innovative feature enhances safety by eliminating the risk of improper signals reaching a machine.



ARR 1585

Machine controls

The rollers can be operated via on-board drive levers, a cable remote or an infrared remote control. A machine can be equipped with all three, giving the operator options based on the jobsite. Having these options available is particularly popular with rental fleets.

Infrared remote control

The infrared remote control is ergonomic, robust and waterproof. The control won't engage unless the operator has direct visibility of the machine, maximising jobsite safety.

Operator protection

An integrated dead man's handle protects the operator when working in narrow spaces, close to walls and in other potentially dangerous situations. In addition, all drive levers are equipped with a resetting function. Levers are automatically returned to the neutral position when the operator cannot control them.

The use of an Infrared (IR) Remote Control. Operators can stay a comfortable distance from the roller, yet safety features ensure they never lose control of the machine.

SAFETY FEATURES

- Perfectly positioned with no dead angles
- Short/far distance turn off
- Fully compliant with machine directives
- Visual contact necessary

VISUAL CONTACT NECESSARY!
Machine stops without direct visibility!



**INFRARED
REMOTE
CONTROL**

ROOM TO REACH

KEY COMPONENTS AND SERVICE POINTS EASY TO ACCESS

Ammann Trench Rollers have been engineered to reduce the time required for maintenance — and to prevent damage to components, too. The wide-opening hood provides accessibility while also protecting the engine compartment. Tool-free daily inspections make maintenance quick and easy.

ARR 1575

Maintenance-free parts

Heavy-duty components extend machine life and minimise the need for replacement parts. Many parts and components, including the articulation joint, drive and vibratory system, are maintenance free. This greatly reduces ownership costs by eliminating the need for replacement parts and saving time spent on machine maintenance.

Tool-free daily inspection

No tools are required to access daily maintenance points, ensuring that all steps are completed quickly. Routine maintenance is more efficient and convenient, thanks to accessible check and draining points. Parts that are most frequently maintained are easy to reach because of their location and the wide-opening hoods.

Bolted frame

Side covers protect components to extend machine life and maximise jobsite uptime. The covers are removable because they are bolted, not welded, to the frame. This makes it much easier to access core components and hydraulic testing ports.



“The hood opens wide to help crew members and technicians access the desired service points and components.”

ARR 1585

Maintenance-free parts

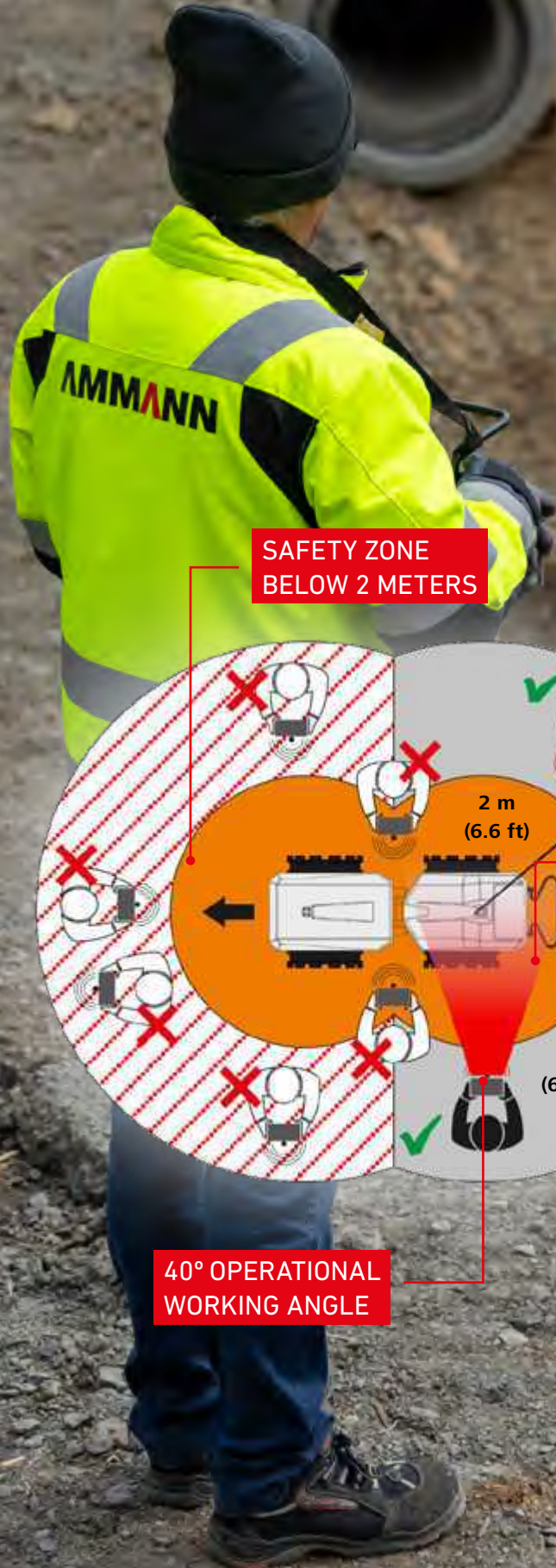
Heavy-duty components extend machine life and minimise the need for replacement parts. The complete vibratory system is maintenance free. This greatly reduces ownership costs by eliminating the need for replacement parts and saving time spent on machine maintenance.

Tool-free daily inspection

No tools are required to access daily maintenance points, ensuring that all steps are completed quickly. Routine maintenance is more efficient and convenient, thanks to accessible check and draining points. Parts that are most frequently maintained are easy to reach because of their location and the wide-opening hood.

Protective frame and covers

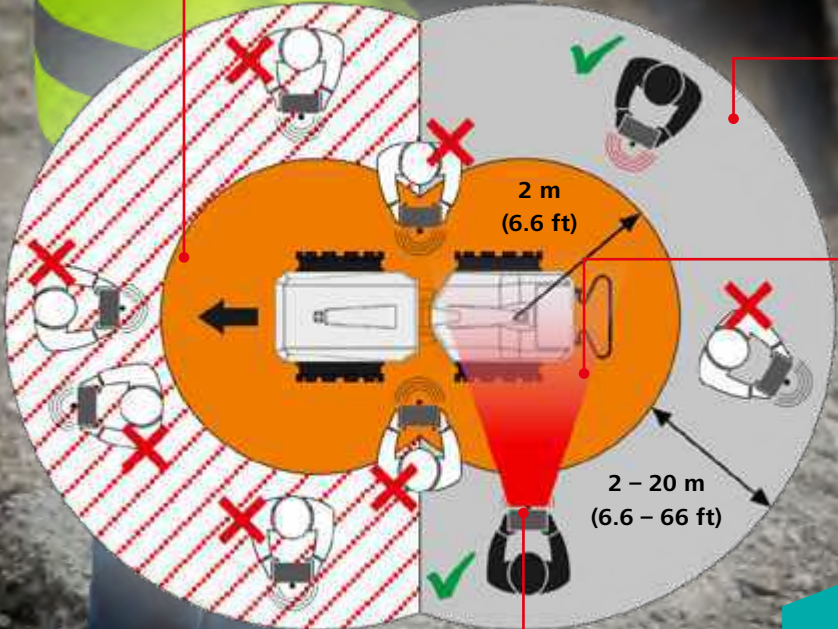
All components are securely mounted to the frame and fully isolated from vibration. The robust machine construction provides durability and prevents damage to components on even the toughest jobsites.



**SAFETY ZONE
BELOW 2 METERS**

**WORKING ZONE
UP TO 20 METERS**

**DIRECT VISIBILITY
REQUIRED**



**40° OPERATIONAL
WORKING ANGLE**

“The roller excels on small and medium-sized compaction jobsites, road construction projects and industrial sites.”

ARR 1575

WHERE MANOEUVRABILITY MATTERS

This technologically advanced machine comes in a compact body that can fit where operators can't – or shouldn't. Steering joint with integrated oscillating bearing and two steering cylinders gives high steering accuracy and permanent ground contact on uneven surfaces.

The two-stage vibratory system, positioned in the centre of each drum, combines with four drive motors for exceptional machine stability and delivers the needed compaction punch, while the size makes the machine a great fit in pipeline and trench applications.

Padfoot drums can be easily extended from basic working width 640mm (25,2 in) to 850mm (33,5 in) if it is required.

- Yanmar 3TNV80F, EU Stage V / U.S. EPA Tier 4f



HIGHLIGHTS

- Articulated joint with oscillation and two steering cylinders for high steering accuracy and permanent ground contact
- Two-stage exciters placed in both drums for adjustable compaction output
- Optimal machine stability, low centre of gravity
- Wide-opening hoods for quick and easy machine checks before start-up
- Infrared remote control that can be charged directly from the machine or via solar cells
- Central lifting hook
- Working widths from 640 mm (25,2 in) or 850 mm (33,5 in) include scrapers



ARR 1585

WHEN POWER IS PRIMARY

The vibratory system, centrally positioned between the front and rear drums, generates the high compaction force needed on the most challenging jobsites.

The rigid-frame and skid-steered operation help operators succeed in all settings.

Durable components and the maintenance-free vibratory system minimise ownership costs.

- Hatz 2 G 40, EU Stage V/U.S. EPA Tier 4f



HIGHLIGHTS

- Manoeuvrable with 360 on-spot turning
- Highest compaction output on the market
- Great machine stability, low centre of gravity
- Machine versions: Manual (M), Cable control (C), Infrared (I) or a combination
- Robust machine frame for tough conditions
- Maintenance-free parts
- Central lifting hook
- Working widths from 630 mm (24,8 in) or 850 mm (33,5 in) include scrapers



OPTIONS

MACHINE CUSTOMISATION

	ARR 1575	ARR 1585
Drums 640 mm (25.2 in) incl. Extensions	✓	x
ACE compaction measurement system	✓	x
Security bar	✓	x
Biodegradable hydraulic oil	✓	x
Customer color scheme	✓	✓
Service kit for the first 250h	✓	✓
Service kit for the first 500h	✓	x
Toolset	✓	✓
Additional printed documentation	✓	✓
Certificate of origin	✓	✓



DRUM EXTENSIONS

Easily changeable drum working widths.



SECURITY BAR

- Reverse movement is blocked
- Machine can still move forward

PLAY YOUR ACE CARD

ELIMINATE PASSES

ACE

- Continuous compaction measurement system
- Compaction progress simply indicated via LED
- Removes guesswork from the compaction equation and avoid unnecessary passes
- Mounted on the machine
- Can measure compaction at any point on-site

