

A close-up photograph of the AMMANN ARR 1585 Trench Roller. The machine is primarily yellow and teal. The front features a large teal engine housing with multiple ventilation grilles and the AMMANN logo. The side of the machine is yellow with 'ARR 1585' and 'AMMANN' printed on it. The rear shows a large black roller drum with a metal frame and a red arrow-shaped logo. The machine is positioned on a bed of grey stones.

ARR 1585

TRENCH ROLLER
Tier 4f

SKID-STEERED HARDWORKER

The ARR 1585 is a skid-steered machine that enables powerful compaction forces to be applied to particularly difficult spots. The rammer and its padfoot drum provide results, even where other compactors have failed. Its ability to work in cohesive soils can prevent the need for soil removal and replacement, providing a significant financial savings.

THE ENGINE

- Reliable, powerfull air-cooled HATZ engine
- Tier 4 Final compliant

EFFECTIVE COMPACTION

- Low centre of gravity provides great stability and helps to reach targeted compaction level
- Powerfull centrally mounted vibration unit
- Roller performs well in cohesive soils, in part because of kneading effect

USER FRIENDLY

- Skidsteering provides great maneuverability
- Manual control possible
- Full steel covers for durability
- Simple machine layout

INFRARED SYSTEM

- Is perfectly positioned with no dead angles
- Has integrated solar panels for transmitter charging

APPLICATIONS

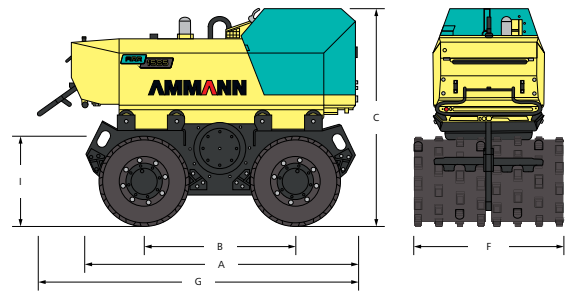
- Pipeline construction
- Social and industrial development areas
- Structure backfill work
- Confined work spaces
- Airport construction
- Elec. Cable construction
- Dumpsite construction
- Subbase of roads

AMMANN

TECHNICAL SPECIFICATIONS
ARR 1585 TRENCH ROLLER
Tier 4f

DIMENSIONS

A	MACHINE LENGTH	1520 mm (59.8 in)
B	WHEELBASE	850 mm (33.5 in)
C	MACHINE HEIGHT	1200 mm (47.2 in)
F	DRUM WIDTH	630 / 850 mm (24.8 / 33.46 in)
G	MACHINE LENGTH	1780 mm (70.1 in)
I	DRUM DIAMETER	500 mm (19.7 in)



MISCELLANEOUS

FUEL TANK CAPACITY	22 l (5.71 gal)
HYDRAULIC OIL CAPACITY	60 l (15.85 gal)

WEIGHT & DRIVING CHARACTERISTIC

	630 mm (24.8 in)	850 mm (33.46 in)
OPERATING WEIGHT	1410 kg (3108.5 lb)	1480 kg (3262.8 lb)
OSCILATION ANGLE	-	-
WORKING SPEED	0.96 km/h (0.6 MPH)	0.96 km/h (0.6 MPH)
TRAVEL SPEED	2.1 km/h (1.3 MPH)	2.1 km/h (1.3 MPH)
CLIMBING ABILITY	55 %	55 %
TURNING RADIUS INNER	0 mm (on spot)	0 mm (on spot)
TURNING RADIUS OUTER	-	-

COMPACTION FORCES

FREQUENCY	30 Hz (1800 VPM)
AMPLITUDE	2.4 mm (0.09 in)
CENTRIFUGAL FORCE I	86 kN

ENGINE

MANUFACTURER	Hatz 2 G 40
POWER ACC. ISO 14396	13.4 kW (18.5 HP)
ENGINE COMPLIES WITH EMISSION REGULATIONS	U.S. EPA Tier 4 Final
MAXIMUM TORQUE	50/2600 Nm(ft lb)/rpm
NO OF CYLINDERS	2 / air cooling
DRIVE SYSTEM	Hydrostatic



STANDARD EQUIPMENT

- Strongest trench roller in the market
- Skid-steer control offers shifts in direction on the spot
- Perfect compaction results
- Maximum working comfort, respecting the highest safety regulations
- With the remote controlled versions, two completely independent steering system. Even if the transmitter is lost or damaged, the machine can be operated through the manual levers
- Short- and far distance shut off at 2 and 24 m
- Using the IR remote control, the visual contact to the machine is ensured at any time
- Solar panels in the infrared remote control are ensuring permanent readiness for operation, the annoying searching and charging of the accumulators disappears totally
- Central lifting hook attached to the main frame helps to reduce stress on the rubber-mounts during loading
- 5 years warranty for hydraulic drum drives and vibration bearings
- Completely hydrostatic drive, hydromechanical brakes