MODEL : AY 2500 TE INOX



Weighing Pallet Truck Features

Feature	AY 2500 TE INOX
AYERBE reference	584420
Equipment type	Stainless steel weighing pallet truck with printer
Material	304 stainless steel
Load capacity (Q)	2,500 kg
Fork length (l)	1,150 mm
Forks (thickness x width)	48 x 160 mm
Overall width over forks (b5)	540 mm
Lowered fork height (h13)	85 mm
Lift (h3)	115 mm
Steering wheels	Ø 200 x 50 mm, POLYURETHANE
Load rollers	Ø 80 x 70 mm, POLYURETHANE, tandem
Weighing system	4 built-in load cells
Accuracy	± 0.05 %
Division	0.5 kg
Indicator	Large LCD display, 7 keys
Units	kg or lb
Printer	Built-in
Battery	6 V / 4 Ah, rechargeable and removable; approx. 40 h of use

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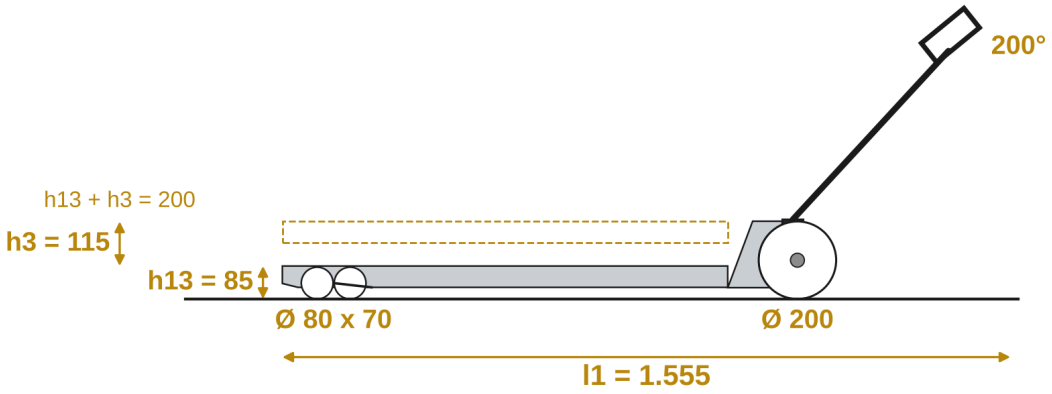
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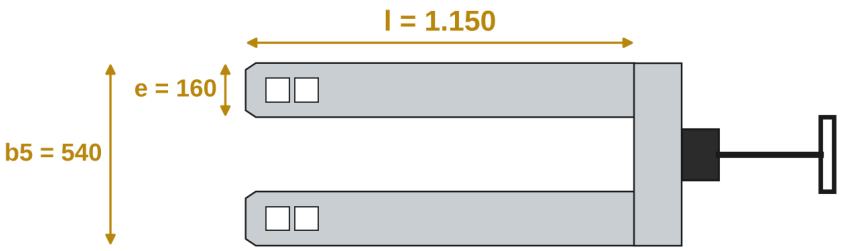
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MODEL : AY 2500 TE INOX

Dimensions





Nº	Technical data (VDI 2198)	Symbol	Value
1.1	Manufacturer		AYERBE
1.2	Model		AY 2500 TE INOX
1.3	Drive		Manual
1.4	Operation		Pedestrian
1.5	Load capacity	Q	2,500 kg
3.1	Wheels and rollers		POLYURETHANE
3.2	Steering wheels		Ø 200 x 50 mm
3.3	Load rollers		Ø 80 x 70 mm
3.5	Number of wheels, front / rear		2 / 4
4.4	Lift	h3	115 mm
4.9	Tiller height in drive position	h14	1,230 mm
4.15	Lowered fork height	h13	85 mm
4.19	Overall length	l1	1,555 mm
4.22	Fork dimensions	s / e / l	48 / 160 / 1,150 mm
4.25	Overall width over forks	b5	540 mm

Maximum fork height: h13 + h3 = 200 mm. Indicative diagram, not to scale.

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MODEL : AY 2500 TE INOX

Equipment Description



1	Tiller
2	Three-position lever
3	Hydraulic pump
4	Ø 200 mm steering wheels
5	Indicator and printer
6	Forks
7	Tandem load rollers

Details



Tiller with control lever



Hydraulic pump and steering wheels



Weighing indicator and printer

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MODEL : AY 2500 TE INOX

Weighing indicator



- Large LCD display, reading in kg or lb.
- 7 function keys, the same as on the AY 2500 TE.
- Printer built into the column, below the indicator.
- Indicator housing protected by the stainless steel column.
- Rechargeable 6 V / 4 Ah battery: approx. 40 hours of use.

Indicator keys



Key	Function
Hold	Short press: holds the reading. Long press: settings menu.
Total	Adds the displayed weighing to the running total.
lb / kg	Changes the weight unit; the unit lamp lights up.
Gross	Switches from net to gross weight; the «Net» lamp goes out.
Tare	Switches from gross to net weight by deducting the tare; «Net» lights up.
Zero	Zeroes the gross weight.
Print ON/OFF	Short press: switches on or prints. Long press: switches off.

Functions as per the AY 2500 TE 318L indicator manual (same keys).

Weighing system data

Data	Value
Weighing capacity	2,500 kg
Accuracy	± 0.05 %
Division	0.5 kg
Load cells	4, built into the chassis
Operating temperature	−10 °C to +40 °C, humidity < 85 %
Battery	6 V / 4 Ah, rechargeable and removable; approx. 40 h of use

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MODEL : AY 2500 TE INOX

How to weigh, step by step

Step	What to do
1	Lever in the lower position: forks fully lowered.
2	Switch on with Print ON/OFF; after start-up, the indicator shows the weight.
3	Press Zero to zero the gross weight.
4	Insert the forks under the pallet and check that the load is balanced.
5	Set the lever to raise and pump until the pallet is off the floor.
6	Once the reading is stable, read the gross weight (pallet + goods).
7	Net weight: weigh the empty pallet, press Zero, remove it (a negative value is shown) and weigh the loaded pallet.
8	Press Print for the ticket; to switch off, hold Print ON/OFF until «OFF» appears.

Built-in printer

- Ticket with date, time, number, gross, tare and net, depending on the chosen format.
- It also prints the running total and the check-weighing result.
- Paper change: open the cover with the lever, fit the roll with the flap on top facing the operator, and close firmly.

For accurate weighing

- Weigh on a firm, level floor, with the pallet truck stationary.
- The load must not touch the floor, walls or other pallets.
- Nothing must rub against the underside of the scale (fork skid, objects).
- Zero with no load before each series of weighings.
- Do not knock the forks or the indicator; do not direct pressurised water at the indicator.

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Battery

- Charge the battery before using the scale for the first time.
- The «Ac» lamp lights green at the correct voltage and red when the battery is low.
- Battery change: loosen the cover screws, disconnect the battery, connect the new one and screw the cover back on.

Weighing faults

Problem	Cause	Remedy
The indicator shows «OVER»	Load too heavy	Remove the load immediately
The ticket prints faintly	Low battery	Charge the battery
Inaccurate weighing	Something rubbing against the scale base; loose cable in the junction box; damaged load cell	Free the scale; check the connections; replace the cell
The indicator does not switch on	Low or flat battery; damaged charger	Charge or replace the battery; check the charger
The battery does not charge	Damaged battery or charger	Replace the battery or charger

Typical uses

Food industry

304 stainless steel meets hygiene requirements and prevents contamination.

Pharmaceutical industry

For clean environments where corrosion and contamination are a concern.

Chemical industry

The corrosion-resistant design withstands a wide range of chemicals.

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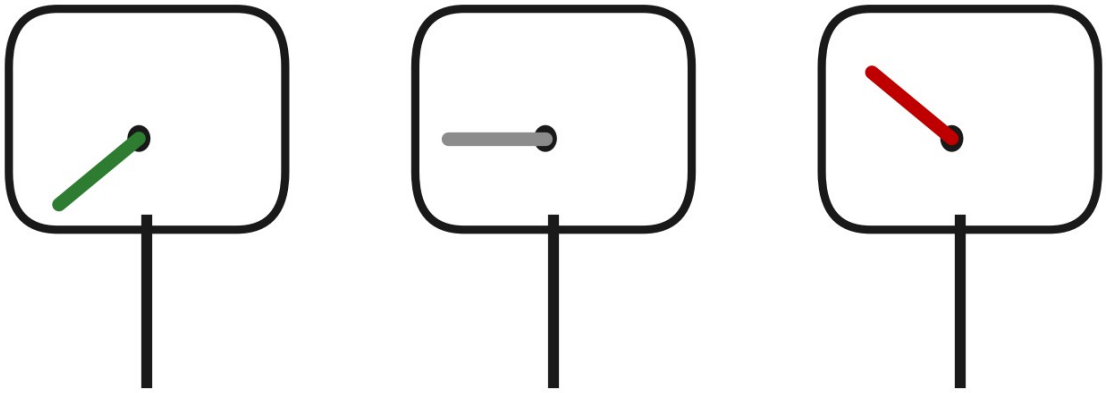
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MODEL : AY 2500 TE INOX

Three-position lever

RAISE | **NEUTRAL** | **LOWER**



Lever down | Lever centred | Lever up

Position	Use
Raise (lever down)	Pumping the tiller raises the forks up to 200 mm.
Neutral (lever centred)	To move the pallet truck: the tiller moves freely and the pump does not act.
Lower (lever up)	The forks lower in a controlled way; when the lever is released, lowering stops and it returns to neutral.

What it means in practice

Built-in weighing

Weighs the pallet while moving it: check the weight when loading or picking orders without taking it to a scale.

4 load cells

They spread the load and give more accurate weighing, even with knocks or off-centre loads.

Built-in printer

Prints the weighing result to attach to the pallet or delivery note.

304 stainless steel

Corrosion-resistant and easy to clean: suitable for food, chemicals and pharmaceuticals.

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MODEL : AY 2500 TE INOX

Construction

- 304 stainless steel structure: corrosion-resistant, with a smooth, easy-to-clean surface.
- Hydraulic pump with overload valve and three-position control lever on the tiller.
- Ergonomic tiller with 200° rotation: the steering wheels turn as the tiller is moved.
- Built-in weighing system with 4 load cells, high-visibility indicator and printer.
- LCD indicator with 7 keys: hold, total, kg/lb, gross, tare, zero and print.
- Leak-proof hydraulic system, overload protection and ball bearings.

Indicator functions

Function	What it does
Gross and net weighing	Zero, tare and gross-to-net switching
Accumulation	Adds up weighings and prints the total
Parts counting	Counts identical parts from a sample
Check-weighing	Shows under, correct or over weight
Animal weighing	Averages the reading of moving loads

Options and Variants to Order

Option	Description
Wheels	POLYURETHANE as standard
Capacity	2,000 kg version (on request)
Painted version	AY 2500 TE (ref. 580580)

Options available depending on model: check availability and lead times with AYERBE.

Compatible Pallets

Pallet	Entry	Use
Euro pallet 800 x 1,200 mm	From the 800 mm side	1,150 mm forks: full entry
Pallet 1,000 x 1,200 mm	From the 1,000 mm side	1,150 mm forks: full entry
Half pallet 600 x 800 mm	From the 600 mm side	With 800 mm forks (to order)

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Maintenance Schedule

Interval	Operation
Daily	Inspection before starting work (see list).
Monthly	Lubricate all moving parts with oil or grease and remove any dirt.
Battery	Recharge the battery module when the indicator calls for it; do not leave it discharged.
Cleaning	Water and neutral detergent; dry afterwards. Do not direct pressurised water at the indicator, battery or printer.
Every 6 months	Check the oil level with the forks lowered; add 50 to 100 ml if needed.

Daily inspection

- With the truck unloaded and the forks lowered: check for deformation or cracks, and for noise or jamming in the lifting mechanism.
- Check for oil leaks and that the forks do not lower on their own.
- Check that the wheels turn freely and are free of debris or damage; that bolts and nuts are tight; the brake, if fitted; and that all labels are in place.
- L-HV46 hydraulic oil (−20 °C to +40 °C), approx. 260 ml in total.
- Air bleeding: set the lever to the lower position and pump the tiller several times.
- Check that the indicator switches on and reads zero with no load; verify with a known weight.

Faults and Remedies

Problem	Probable cause	Remedy
Does not lift, does not lift fully or lifts slowly	Low or dirty oil; lever out of adjustment; overload (valve acting); oil too thick from cold; air in the circuit	Top up or change the oil; adjust the lever; reduce the load; move to a warmer place; bleed
Does not lower or does not lower fully	Obstacle under the machine; lever out of adjustment; rusty piston rod; rod or pump deformed by overload	Remove the obstacle; adjust the lever; store with forks down and rod greased; replace
Lowers by itself without using the lever	Impurities in the oil; worn seals or parts; lever out of adjustment	Change the oil; replace parts; adjust the lever
Oil leaks	Worn or damaged seals; other parts cracked	Replace seals or parts

Repairs and pressure valve adjustment must only be carried out by trained technical staff.

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MODEL : AY 2500 TE INOX

Safety Instructions

- Only trained and authorised personnel wearing gloves and safety footwear may operate it.
- Do not overload: maximum 2,500 kg, with the load evenly spread over both forks.
- Do not use it on slopes or inclined surfaces: it could get out of control.
- Lifting or carrying people is prohibited.
- Do not allow anyone in front of or behind the machine while it is moving, lifting or lowering.
- Keep feet away from the front of the wheels and hands and feet away from the lifting mechanism.
- Do not carry unstable, unbalanced or badly stacked loads, or work in explosive atmospheres.
- Watch out for uneven floors and never leave the loaded truck unattended.
- Load centred at half the fork length; the forks must match the pallet length.
- When finished, leave the forks fully lowered.

Conditions of Use and Standards

- Suitable for damp and corrosive environments; protect the indicator and printer from water.
- Indicator: −10 °C to +40 °C, relative humidity below 85 %.
- Compliant with Machinery Directive 2006/42/EC. CE marked.
- 304 stainless steel, suitable for food and chemicals: food, chemical and pharmaceutical industries; clean rooms and wash-down areas.



Indicator column, pump and steering wheels in 304 stainless steel

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