



Hand pallet truck

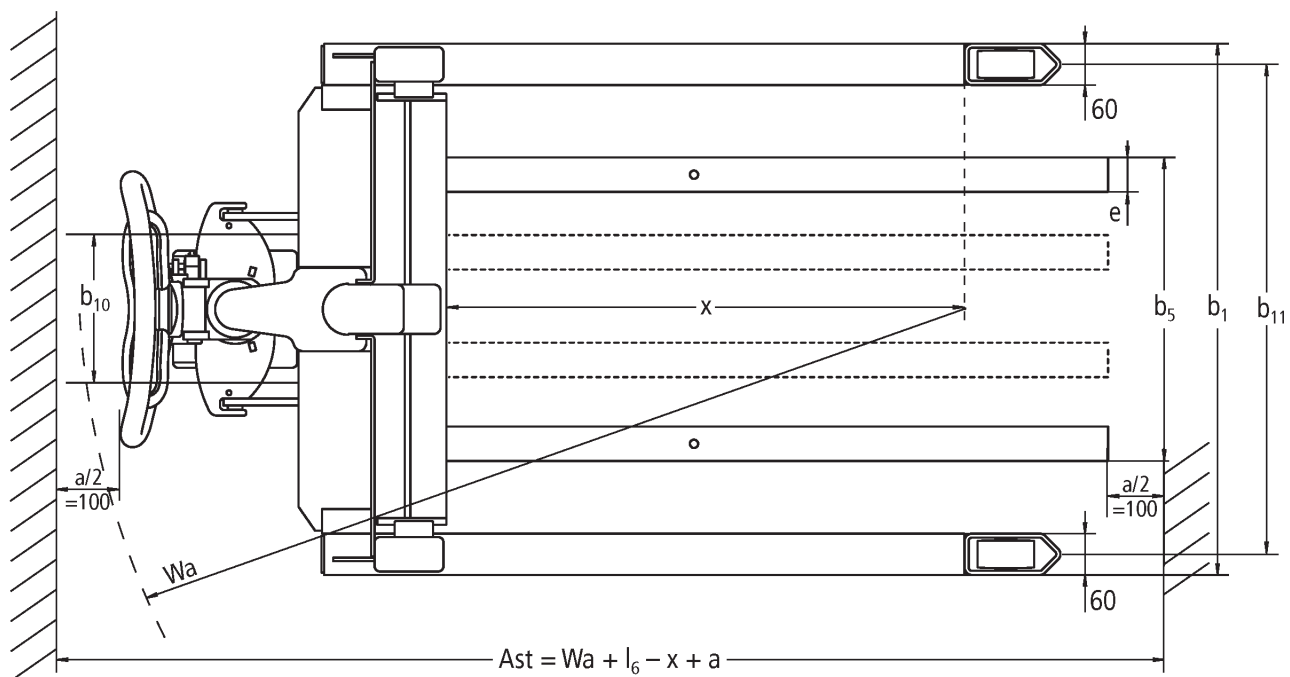
AM V05

Lift height: 390 mm / Load capacity: 500 kg

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Technical diagram of a pallet truck (Fig. 1). The diagram shows the side profile of the truck with various dimensions and labels:

- h_{14} : Total height from the ground to the top of the handle.
- h_3 : Height from the ground to the top of the vertical mast.
- h_{13} : Height from the ground to the top of the horizontal frame.
- l_2 : Distance from the front wheel to the vertical mast.
- l_1 : Total length of the truck from the front wheel to the back.
- l : Distance from the vertical mast to the back of the truck.
- y : Distance from the front wheel to the center of mass of the truck.
- c : Distance from the vertical mast to the point of application of the load Q .
- Q : Load applied at the end of the mast.
- m_2 : Mass of the horizontal frame.
- S : Point of application of the load Q on the horizontal frame.



VDI table

Characteristic	1.1	Manufacturer (abbreviated description)		other (OEM)
	1.2	Manufacturer's type designation		AM V05
	1.3	Drive		Manual
	1.4	Operation		Manual
	1.5	Load capacity/load	Q kg	500
	1.6	Load centre distance	c mm	400
	1.9	Wheelbase	y mm	1120
Weights	2.1	tare weight	kg	155
	2.2	Axle load laden front/rear	kg	320 / 325
	2.3	Axle load unladen front/rear	kg	101 / 54
Wheels/suspension system	3.1	Tyres		C-GN
	3.2	Tyre size, front		Ø 180 x 50
	3.3	Tyre size, rear		Ø 82 x 40
	3.5	Wheels, number front/back (x=driven)		2/2
	3.6	Tread width, front	b10 mm	122
	3.7	Tread width, rear	b11 mm	700
Basic dimensions	4.4	Lift (h3)	h3 mm	390
	4.9	Height of tiller handle in drive position min./max.	h14 mm	1210
	4.15	Height, lowered	h13 mm	85
	4.19	total length	l1 mm	1405
	4.20	Length including fork shank	l2 mm	450
	4.21.1	total width	b1 mm	760
	4.22	Fork dimensions	s/e/l mm	50 x 50 x 955
	4.25	Width across forks	b5 mm	140
	4.26	Width between support arms/loading areas	b4 mm	640
	4.32	Ground clearance centre of wheelbase	m2 mm	30
	4.34.1	Aisle width (pallet 1000x1200 sideways)	Ast mm	1805
	4.34.2	Aisle width (pallet 800x1200 length)	Ast mm	2005
	4.35	Turning radius	Wa mm	1425
Performance data	5.3	Lowering speed laden/unladen	m/s	0.09 / 0.05

- This data sheet according to VDI guideline 2198 only states the technical values of the standard truck. Different tyres, other masts, additional equipment etc. may result in different values.

The German production facilities in
Norderstedt, Moosburg and Landsberg
are certified as well as our Genuine Parts
Center in Kaltenkirchen.

ISO 9001
ISO 14001

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