

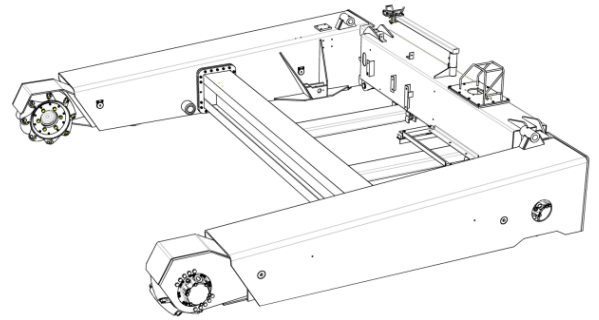
Cradle stroke: 450mm (vertical)
Cradle tilting capacities:
Forwards/backwards approx. $\pm 10^\circ$
Sideways approx. $\pm 10^\circ$

Manufacturer	Jama Mining Machines
Machine type	Wheelcarrier (for wheels, hub&strut and final drives)
Load capacity [kg]	
Wheels	8200
Hub & strut	9000
Final drive	13500
Weight [kg]	Approx. 6300 -7300 depending on additional equipment
Travel speed [m/min]	
Forward-reverse	Approx. 7
Sideways	Approx. 5
Dimensions [mm] *	
Length	3535
Width	3940
Height	4013 (depending on wheel dimensions)
* Available on request in sizes for other wheel dimensions	
Drive system	Four Mecanum wheels with individually controlled hydraulic motors
Lifting forks and grip arms	Operated by hydraulic cylinders.
Hydraulic system	
System type:	Load sensing open circuit hydraulic system
Directional valves:	Proportional type
Electric power unit	
Main Voltage [V]	400
Electric motor [kW]	15
Motor control	Electronic soft starter
Power supply	Cable reel with approx. 23m cable
Control system	
Type	PLC-based ECU unit
Remote control	Hand held remote control unit with cable , harness and an omnidirectional joystick with “dead man handle”
Control functions	Wheel drive and table lift, levers for maneuvering the gripping arms, switches for starting the hydraulic pump, emergency stop and high/low speed selector
PLC control voltage	24V DC
Signal for the prop. valves	5V +/- 2.5V
Electrical cabinet	
Contains	Power supply, remote receiver, PLC ECU (Siemens S7), emergency stop relay and soft starter for the electric motor



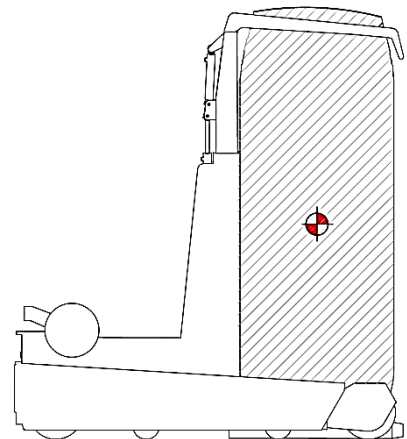
Chassis

The chassis consists of two longitudinal side members connected to each other by two cross members. The side members are of a welded construction, and includes housing fixings for the wheels bogie system, fixings for the hydraulic cylinders (for the lifting table) and fixings for the lifting tables pivot points. The rear cross member also incorporates the hydraulic tank and the electrical cabinet. Includes lifting eyes for overhead crane handling .



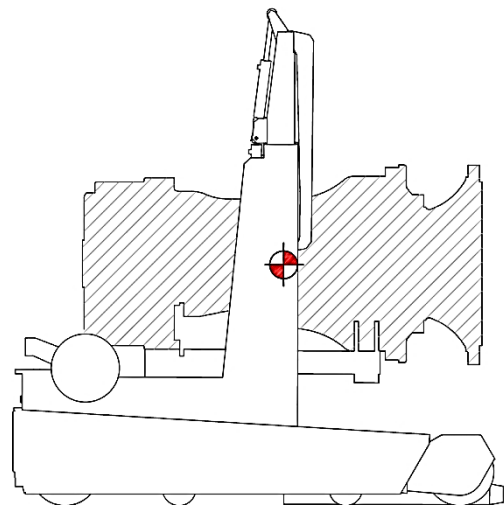
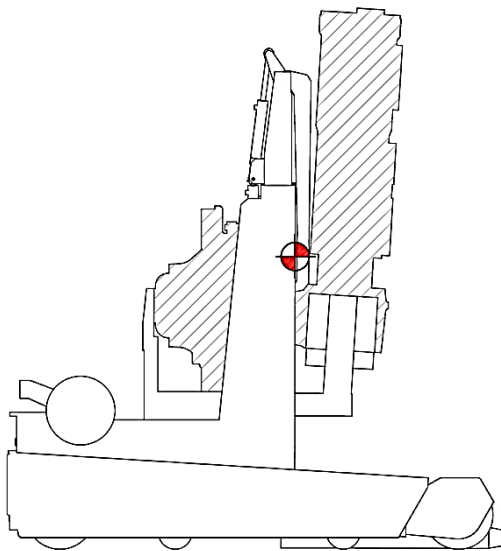
Lift/tilt and gripping system

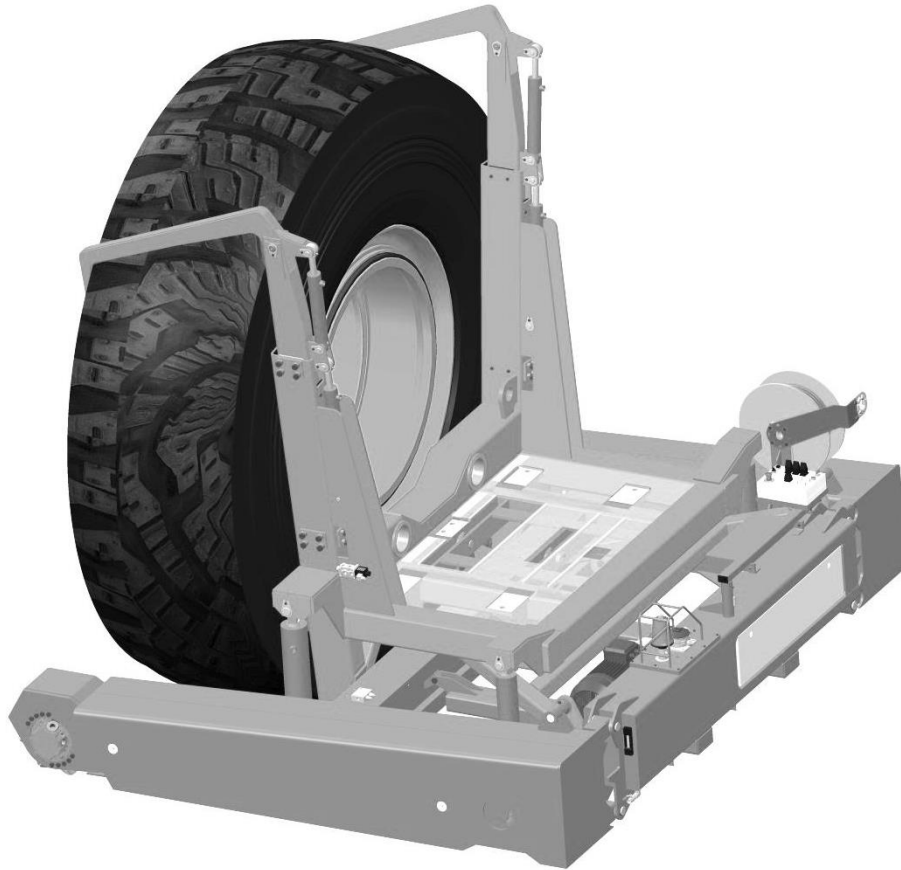
The lifting table consists of a welded frame which is suspended on four hydraulic cylinders and guided by pivot points with connecting rods. The frame also incorporates fixed lifting forks and uprights for the vertical telescopic gripping arms. The gripping arms are actuated via hydraulic cylinders and guided in the uprights by slide surfaces.



Extra attachments (Tools/Fixtures)

Attachments for mounting/demounting the truck's front strut assemblies and final drives can be provided. These are mounted on the lifting table.





We reserve the right to make changes as the product is under continuous development. Products must be used in conformity with safe practice, the manufacturers instructions, laws and regulations concerning occupational safety and other recommendations.

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JAMA
MINING MACHINES

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