

TB-36

Main specifications

Jack	
Lifting capacity	3.6 t (load center of gravity at beam center and jack span 1/3 area)
Jack stroke	1,700 mm
Lifting height	Minimum 1,422 mm - maximum 3,122 mm (from carrier wheel lower surface to hanger bearing surface)
Jack telescoping speed (no load, at 60 Hz)	Extending: 2nd stage = Approx. 440 mm/min (high speed),    Approx. 250 mm/min (low speed) 3rd stage = Approx. 540 mm/min (high speed),    Approx. 300 mm/min (low speed) Retracting: 2nd stage = Approx. 870 mm/min (high speed),   Approx. 540 mm/min (low speed) 3rd stage = Approx. 980 mm/min (high speed),    Approx. 590 mm/min (low speed)
Jack structure	Box-type, 3-stage hydraulic telescoping type
Jack telescoping device	Double-acting hydraulic cylinder, direct pushing type × 2
Beam	
Beam	Steel I-beam × 1 (H250 mm × W125 mm)
Beam length	Approx. 2,774 mm (jack span 2,500 mm or less)
Hangers	2
Carrier frame	
Carrier type	Hand-pushed type (no motor system)
Carrier wheels	Urethane free-moving caster wheels (with brake, with 45° turn locking function, with foot guard)
Hydraulic unit	
Hydraulic generator	Electric pump unit with integrated tank × 2
Installation	Installed on carrier frame
Power supply	
Primary power supply	100/110 V AC (single-phase), 15 A or higher × 2 systems
Power cable	Length 10 m × 2 (equivalent to VCT, connecting type)
Control switch	
Operating type	Wired remote control pendant switch (cable length 5 m, equivalent to VCTF, connecting type)
Mass	
Total mass	Approx. 650 kg
Mass of individual parts	Beam: Approx. 120 kg × 1 (including hangers: Approx. 7 kg × 2) Jack: Approx. 260 kg × 2 (including carrier frame, hydraulic unit, and control panel) Control switch, etc.: Approx. 10 kg

Others

Paint color

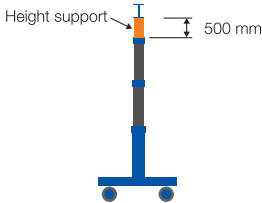

Tadano standard color (dark blue)

Safety devices

Emergency stop device (in control switch), cylinder hydraulic lock device  
 Hydraulic safety valve, ground fault interrupter, electronic thermal device  
 Auxiliary legs for overturn prevention (for assembly/disassembly and transport of the jack)

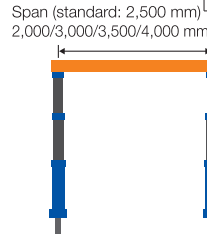

Options

(1) Height support (height: 500 mm, mass: Approx. 20 kg/support)
 

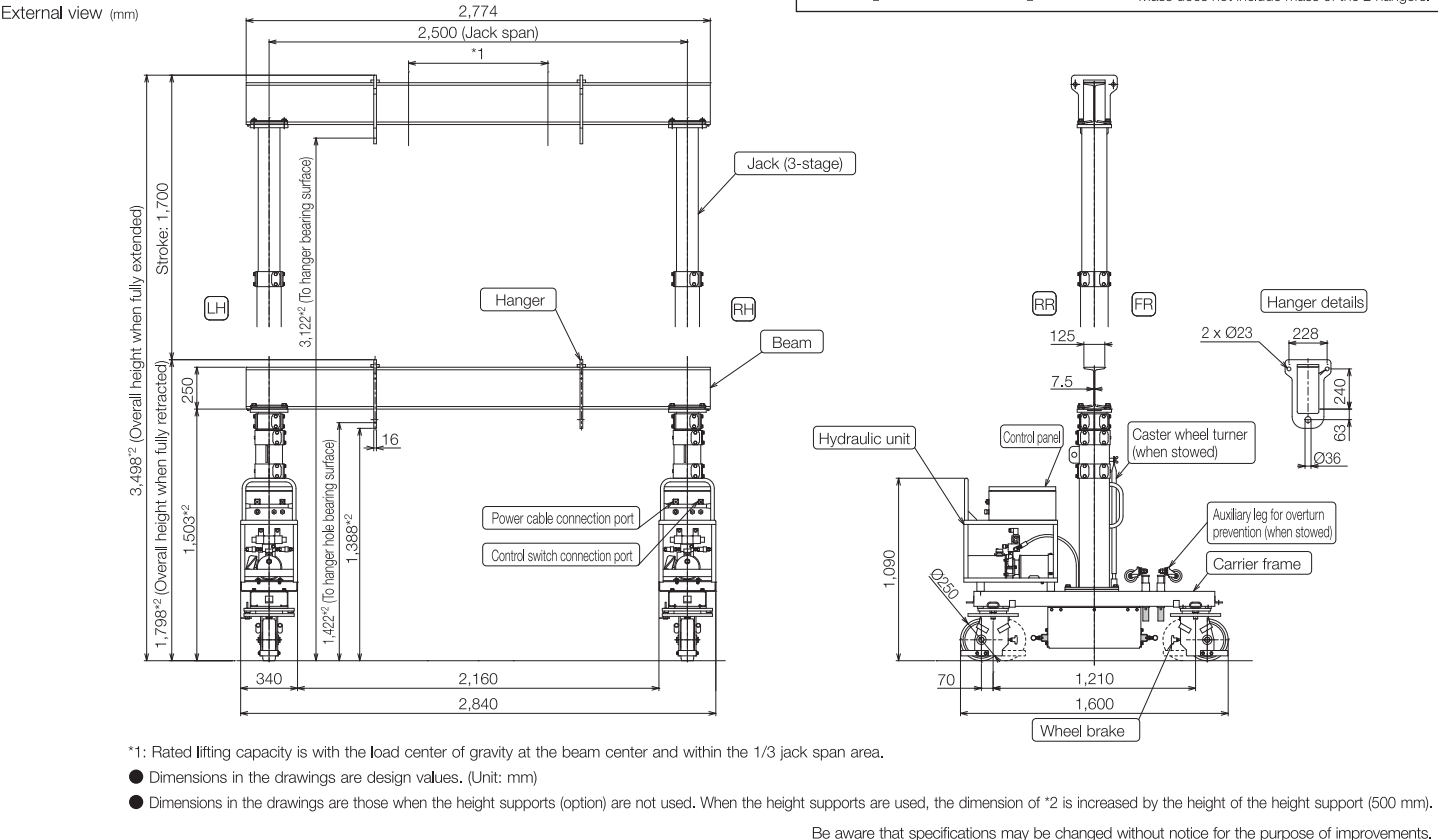




(2) Various beam lengths
 

Span	Mass*
2,000 mm	Approx. 90 kg/beam
3,000 mm	Approx. 125 kg/beam
3,500 mm	Approx. 160 kg/beam
4,000 mm	Approx. 185 kg/beam

\* Mass does not include mass of the 2 hangers.



 <div>Safety precautions</div>	<div>For safe and correct use of the product</div> <ul style="list-style-type: none"> <li>This product should be operated by personnel who have completed the operating instruction and safety course conducted by our company.</li> <li>Be sure to carefully read the Instruction Manual before use.</li> <li>Be aware that excessive extension of the power cable may result in damage to equipment.</li> <li>These are Japan specifications. Check the laws and regulations in each country before use.</li> </ul>
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· For inquiries regarding this product:



MINI LIFTER

TB-36

Constant performance throughout the entire stroke!

Two speeds for smoother telescoping!





## MINI LIFTER

# TB-36

Installed hydraulic unit &  
control panel  
Improved convenience  
and safety

- ▶ Lifting capacity 3.6 t
- ▶ Constant performance throughout the entire stroke
- ▶ The jack with internal hydraulic cylinder is capable of stepless operation.
- ▶ Two speeds for jack telescoping (high speed/low speed)
- ▶ Can operate using a 100 V AC power supply.
- ▶ Can easily be disassembled and transported for installation into confined spaces.

## Previous usage examples

### Transport and installation work

- Transport and installation of control panels and distribution panels which overturn easily
- Work in clean rooms where no lifting equipment is available
- Assembly and installation of precision devices for printing, food products, medicine, and other purposes

### Maintenance work

- Replacement of aging plant equipment
- Maintenance work for various machines

### Installation/removal work

- Transport, installation, and removal of dies for molding machines, presses, and other machines

### Loading and unloading work

- Loading and unloading to/from vehicles

### Lifting work

- Lifting of heavy objects

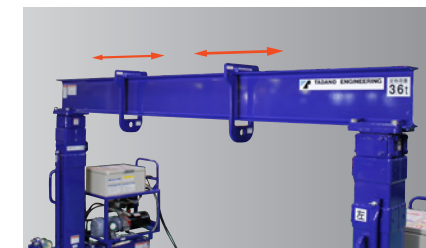
## Hangers

2 hangers are installed.

\* Use with total load on the 2 hangers of not more than 3.6 t.



- The single lower hole (main) is capable of lifting 3.6 t.
- The two upper holes (auxiliary) are capable of lifting 3.6 t (when both sides are used).



Manual sliding is possible when no load is applied.  
Hangers can be set in any positions.



The beam is mounted by a holding plate system. As a result, the span can be fixed in any position.

## Hydraulic unit



An electric hydraulic unit that generates hydraulic pressure is installed on the left and right jacks.

## Control panel



The control panel is installed above the hydraulic unit.



### Cable connector ports

The pendant type control switch and power cable are connected by connectors.

## Control switch



An easy-to-operate pendant-type control switch

## Auxiliary legs for overturn prevention (caster wheels for jack transport)



Install so that the jack main body can stand independently when the beam is removed.

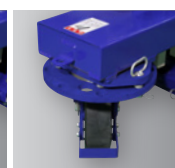


Stowed in the carrier frame during lifter work (gantry configuration).

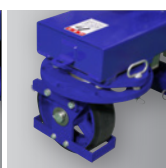
## Caster wheels (with brakes and turn-locking function in steps of 45°)



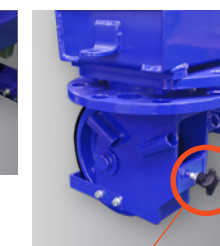
Locked at 0°



Locked at 45°



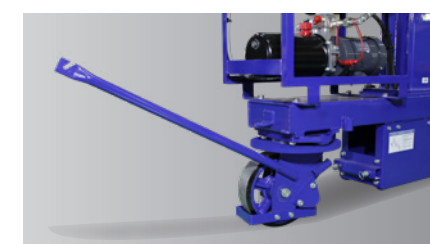
Locked at 90°



Brake

A runaway prevention brake is installed on all 4 wheels. The travel direction can be fixed in increments of 45° with a pin.

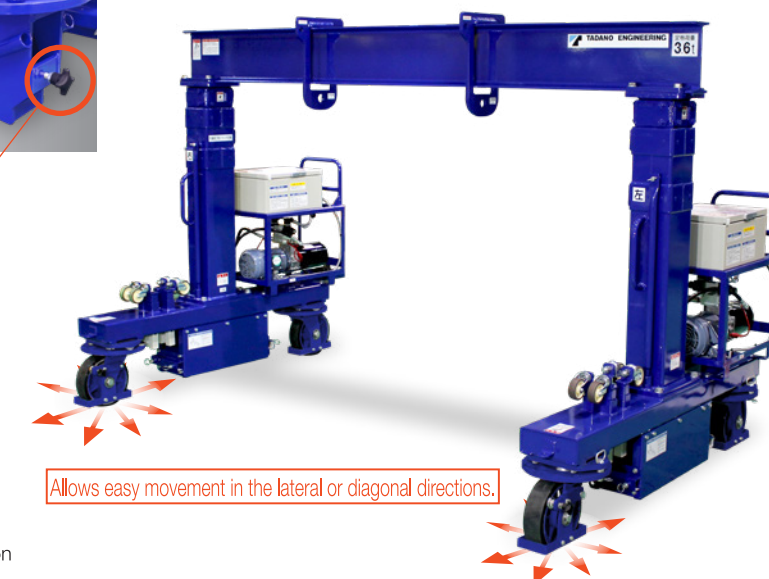
## Caster wheel turner



Install to change the direction of the caster wheels.



Ordinarily it is stowed on the side of the jack.



Allows easy movement in the lateral or diagonal directions.