



# flat-jack®

## /// User guide

Congratulations and thank you for choosing flat-jack®!

flat-jack® prevents flat spots on your vehicle's tires. Flat spots develop from constant pressure when your vehicle is parked for long periods and they can seriously affect driving enjoyment. flat-jack® adapts perfectly to every shape of tire.

## /// flat-jack®

flat-jack® maintains your tires' condition even if your prized vehicle is parked or stored for long periods. Please read the instructions and safety guidelines in this guide to ensure safe use of flat-jack®.

## /// Disclaimer of liability

Using flat-jack® in a manner other than described in this user guide may harm the product, vehicle or even people. The manufacturer assumes no liability for damage resulting from incorrect use.

## /// The advantages of flat-jack®

- No contact between your tires and the ground
- Top thermal insulation thanks to air cushioning
- Unique concept with a large contact area
- Effective and even pressure distribution over the entire contact area
- Reduces and balances lateral forces on the entire chassis
- Easy to use (roll on, roll off)
- Air cushion means 100% effectiveness
- High-quality materials
- High load capacity up to 2.5 tons per cushion
- Can be custom combined
- Each set includes 2 flat-jacks®
- Lightweight (0.6 kg/1.3 lb), easy to store
- Design serves as a centering aid

## /// flat-jack® is more than just an inflatable cushion



### Membrane concept

flat-jack® is designed using double-walled membrane construction. The inner membranes ensure optimal density, while the outer cover ensures durability and shape retention.

### Chamber concept

The special inner chamber structure with special partitions not only adapts perfectly to the shape of any tire; it also distributes pressure effectively by enlarging the contact area. flat-jack® is also unique in that it reduces and compensates for lateral forces and tension on the entire chassis.

## /// flat-jack® models

Each set contains one pair of flat-jack® cushions

- Small: Tire widths up to 195 mm (7 ½")  
Item no.: 4260328330012
- Medium: Tire widths up to 255 mm (10")  
Item no.: 4260328330029
- Large: Tire widths up to 345 mm (13 ½")  
Item no.: 4260328330036

## /// Getting started

Improper handling of this product may result in injury. Always inspect the flat-jack® before use. Make sure there is no damage and that the valves are working properly. Please read the safety instructions carefully before use.



# flat-jack®

Made in  
Germany

Patent  
pending

World  
first



flat-jack LLC  
720 E Spring Street, Suite A  
Chippewa Falls, WI 54729  
USA  
Tel.: (512) 484-4501  
info@flatjack.com  
www.flatjack.com

Designed by datamints.com



flat-jack LLC  
720 E Spring Street, Suite A  
Chippewa Falls, WI 54729  
USA  
Tel.: (512) 484-4501  
info@flatjack.com  
www.flatjack.com

Designed by datamints.com

## /// Safety instructions

You must use the flat-jack® size that fits your tires.

- **Small:** Tire widths up to 195 mm (7 ½")  
Item no.: 426032833001 2
- **Medium:** Tire widths up to 255 mm (10")  
Item no.: 426032833002 9
- **Large:** Tire widths up to 345 mm (13 ½")  
Item no.: 426032833003 6
- Prepare a clean and level surface.
- Make sure the vehicle cannot roll away by applying the parking brake or putting the vehicle in gear.
- Never use a flat-jack® in duplex garages.
- Follow the manufacturer's inflation instructions
- Inflate flat-jack® cushions one axle at a time.
- **Operating pressure:** 0.4-0.8 bar (5.8-11.6 psi)
- **Maximum pressure:** 1.0 bar (14.5 psi)

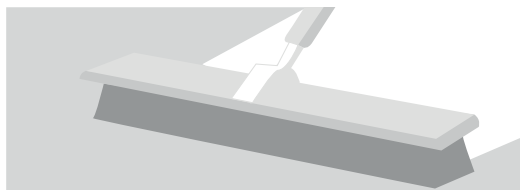


Operating pressure that is too high prevents lateral movement of the vehicle, which neutralizes the advantage of reducing chassis strain.

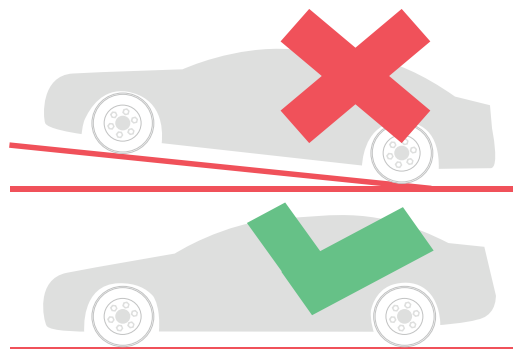
- flat-jack® is not a lifting bag and must not be used to lift heavy loads other than specified in the flat-jack® user guide.
- flat-jack® is not a swimming aid.

## /// Using flat-jack®

- 1 Clear parking space of any stones or sharp objects.



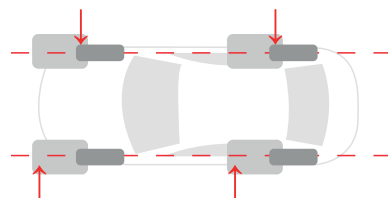
- 2 Make sure the surface is level. Apply the parking brake or put the vehicle in gear to prevent it from rolling away.



- 3 Place the empty flat-jack® in front or behind all tires, making sure that each cushion is in contact with the tire.



- 4 Make sure the tires are centered onto the flat-jack® and that the valves are pointing toward the outside.



- 5 Carefully roll the vehicle onto the flat-jack® cushions. Center the tires. Apply the parking brake. Manual transmission: put the car into first gear. Automatic transmission: put the car in park.



- 6 Carefully inflate flat-jack® until the vehicle hovers above ground. Use the operating pressures indicated. Check the pressure constantly. Inflate one axle at a time, never across axles. Operating pressure varies between 0.4 to 0.8 bar (0.6 to 11.6 psi) depending on the weight of your vehicle. Do not exceed the maximum pressure of 1.0 bar (14.25 psi).



- 7 Replace the valve caps.

## /// Important instructions

The materials chosen for the construction of flat-jack® meet the highest material quality standards. Because the body is flexible and inflates, material may expand. This may result in a minimal drop in pressure after the first time you inflate flat-jack®. Using the valve caps increases the density. High temperature variation has a negative impact on the density of the valves. For optimal use of flat-jack®, you must:

- Use the valve caps.
- Check pressure levels after 3 days.
- Check pressure at regular intervals thereafter.
- Prevent temperature fluctuations (use in garages or closed areas is recommended).

## /// Deflating flat-jack®

Before you deflate flat-jack®, make sure that no one is standing directly in front of or behind the vehicle. Make sure the parking brake is applied and that the vehicle is in the correct gear (manual transmission: first gear; automatic transmission: park). Slowly and carefully deflate the flat-jack® one axle at a time using the valve tool provided.

## /// Technical specifications

Inner material: PU/PUR membrane  
Outer material: PU/PUR braid-reinforced  
Valve: High-quality German product  
Operating pressure: 0.4-0.8 bar (5.8-11.6 psi)  
Maximum pressure: 1.0 bar (14.5 psi)  
Maximum load: tested up to 2.5 tons per tire per cushion  
Construction: double-walled, heat sealed at high frequency

## /// Storage and cleaning instructions

Store flat-jack® depressurized in a dry environment. Use solvent-free detergents for cleaning. We recommend using a damp cloth and dishwashing liquid.

## /// Returning the flat-jack®

If you need to return the flat-jack®, please use the original packing material to prevent damage. The manufacturer is not liable for damage during transport or due to improper packing.