

## Mobile Lifting Columns - Dendro LB7 & LB10

### A safe and long term solution for heavy lifting

---

#### Mobile Lifting Columns for lifting 7 or 10 tons

Dendro Lift is a Swedish company that has manufactured reliable and rugged mobile lifting jacks since the 1970s. Our lifting jacks are manufactured with a self-locking, non-reversing lifting spindle nut for a long life span, combined with very high security at the right price.



#### Usage

- Bus and truck workshops
- Heavy machinery workshops
- Locomotive and wagon workshops
- Industrial lifts

#### Complementary Dendro products

- Adapters for different wheel dimensions
- 4-pillarlifts and Service lifts for 10 - 100 ton
- Lifting Columns for up to 50 ton per column
- Specially designed lifts for forklifts
- Extra high heavy duty jack stands for 6 - 100 ton.
- Tailor made heavy lifting solutions

#### Maneuverable and flexible

Dendro LB 7 and LB 10 are lightweight, have a small turning radius, only 880 mm, and can be stored away on only about 1 m<sup>2</sup> / each. They are transported as easily as a small pallet lifter so they can quickly be brought out for usage and easily be rolled to the side for storage. The Lifting Columns have transport wheels that automatically folds away when in use, no additional step is therefore needed to secure the lifting jack.

#### Easy to use and provides a comfortable working position

Our Mobile Lifting Columns provide comfortable position for working underneath the vehicle. With our special designed jack stands in place serves you also service axles, wheels and springs. The cabling is in a U-design which means that it's easy to drive in and back out the vehicle without removing the cables.

### Synchronized lifting with multiple Mobile Lifting Columns

You can use the Lifting Columns individually, in pairs or up to 8 synchronized lifting columns simultaneously thereby making it possible to easily lift long and heavy vehicles. Synchronization occurs automatically, which means that all the Lifting Columns always lifts horizontally regardless of weight distribution of the vehicle. The control unit is centrally located so that all connected columns are controlled from one place.

### Adaptable to your needs

There is a large variety of ready-made adapters available to suit all kinds of different lifting needs. We can also quickly produce unique special designed adapters if it's requested.

### Safety – Our number one priority

Safe and reliable operation has been the guiding principle in the development of Dendro LB7 & LB10. Therefore, the lifting columns are all equipped with the following safety equipment:

- Easily accessible emergency stop on each jack.
- Self-locking, non-reversing lifting spindle nut with safety follower nut.
- Enclosed gearbox with brake motor – prevents lowering of the load i.e. double security.
- Lifting / lowering movement synchronized by a central PLC.
- Main contactor, which cuts the power to all lifting jacks in case of synchronization error.
- Safety limit switches for nut wear – stops the lift in case of too excessive nut wear.
- Safety limit switches checks for obstacles beneath when the lift is lowered.
- Safety limit switches for both maximum and minimum height.
- The lifting carriage is guided within the lift column by means of wheel flanged rollers.

### Service and spare parts

Our heavy-duty lifting jacks provides a very long life span in itself and in combination with our highly developed service organization and spare parts supply; we ensure long and trouble-free operation for many years to come.

### Technical data

- Capacity: 7 or 10 tons
- Effective lifting height: 1700 mm
- Lifting / lowering speed: 0.9 m / min
- Engine power: 3.0 kW, 3 x 400 V.
- Total height: approx. 2.5 meters
- Total weight: approx. 500 kg / pc.
- Powered by a Helical bevel geared motors with brake
- Lifting Screw: Trapezoidal-threaded screws and nuts as well as safety nuts provides additional safety. The mechanism is protected by a rubber curtain.
- The operation is controlled with a separate remote control handle
- Synchronization is provided through a PLC. Paired, individual and group operation is controlled from one location.



*Dendro LB 7 – Made in Sweden*