

Mobile Lifting Columns Dendro LB20 & LB25

For the truly heavy lifts where safety and reliability is vital

Mobile Lifting Columns for lifting 20 or 25 tons

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



Usage

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

Complementary Dendro products

- Smaller Lifting Columns for 7 to 17,5 ton per column
- Larger Lifting Columns for up to 35 ton per column
- 4-post lifts and Service lifts for 6 - 64 ton
- Extra high heavy duty jack stands for 3 - 30 ton.
- Tailor made heavy lifting solutions
- Boggi lifter / rotator

Dendro LB 25 with fixed nose/cantilever at Inlandsbanan

Robust and stable, yet agile and flexible

Dendros mobile lifting columns have a sturdy construction and can be equipped with a drive motor to facilitate easy transportation. This means that despite their size, they can be easily moved in and out of position. If required they can also be equipped with special wheels for mounting on rails or have the wheels mounted sideways. The Lifting Columns have transport wheels that automatically folds away when in use, no additional step is therefore needed to secure the lifting columns.

Fixed or movable nose/cantilever

The nose/cantilever can be fixed or designed to be horizontally adjustable by means of a manually or power operated gear. We also offer lifts with dual cantilever, see picture on the other side.

Easy to use and provides a comfortable working position

Our Mobile Lifting Columns provide comfortable position for working underneath the vehicle. Additional flexibility and safety is provided with our special designed jack stands in place.

Synchronized lifting with multiple Mobile Lifting Columns

You can use the Mobile Lifting Columns individually, in pairs or up to 16 synchronized lifting columns simultaneously thereby making it possible to easily lift entire train sets. Synchronization occurs automatically, this means that all the Lifting Columns always lifts horizontally regardless of weight distribution of the vehicle.

Modular design makes it adaptable to your needs

The design of the cantilever, the maximum and minimum lifting height and the position of the wheels are all examples of parameters that can be adjusted according to the specific 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 upon request.

Safety – Our number one priority

Safe and reliable operation has been the main guiding principle in the development of the Dendro LB 20 & LB 25. Therefore, the lifting columns are all equipped with the following safety equipment:

- Easily accessible emergency stop on each column.
- 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.

Service and spare parts

Our heavy-duty lifting columns 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:

	LB 20	LB 25
Lifting capacity	20 000 kg	25 000 kg
Minimum height	400 mm	400 mm
Max. lifting height	2 000 mm	2 000 mm
Lifting height	1 600 mm	1 600 mm
Total height	3 500 mm	3 500 mm
Total weight	2 100 kg	2 300 kg
Max floor pressure	80 kg/cm ²	100 kg/cm ²
Lifting speed	300 - 400 mm/minute	
Engine Power/ Column	5.5 kW 3 x 400 V	7.5 kW 3 x 400 V
Transportation motor	0.55 kW	0.55 kW
Controller	PLC	
Synchronization	Paired, individual and group operation is controlled from one location.	
Engine	Helical bevel geared motors with brake	
Lifting Screw	Trapezoidal-threaded screws and nuts as well as safety nuts provides additional safety	
Control device	Separate remote control	



*Dendro LB 20 with dual cantilever.
Made in Sweden*