

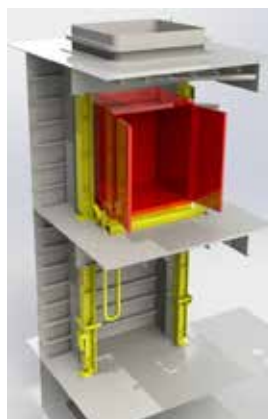
# LB Series Cargo Lift

*Avoid blind lifts*



The challenge of avoiding blind lifts through hatches can be solved by installing a LB Series Cargo Lift from Stavanger Engineering. The compact design can be retrofitted below virtually any hatch to transport cargo between deck levels.

The cargo is raised and lowered by an electrically driven rack and pinion system. The LB series lifts are DNV certified and comply with DNV 2.22 Lifting Appliances, Norsok R-002 and EN 81-3.





The drive and braking systems are all located in the lifting table in a compact and well protected way.

The system has 3 independent brakes:

- Parking brake on electric motor
- Dynamic brake
- Mechanical “Parachute” brake to stop the load if lowering speed exceeds rated speed by 25 %.

The drive system and guides are sized to withstand the shock loads that occur in rough use.

The lift has a locked and safe maintenance position where the lifting table is stopped at a comfortable working height.

#### Tecnical Data; LB Series Cargo Lift

Lifting Capacity	6000 – 12000 kg
Safety systems	<ul style="list-style-type: none"> <li>- Dual brakes for load holding</li> <li>- Centrifugal “parachute” brake</li> <li>- Normal braking is done by motor and frequency converter</li> <li>- Overload protection and alarm</li> <li>- Lift cannot move without all doors closed and doors are locked when ramp not at level.</li> <li>- Fail safe type PLC with line monitoring of inputs.</li> <li>- PLC controlled safe stop, safe torque off and safe brake control in accordance to EN 60204-1.</li> </ul>
Lifting speed	9 m/min
Lifting height	Typical 5 – 12 m
ATEX requirements	Acc. to client specification.
Applicable standards and regulations	<ul style="list-style-type: none"> <li>- Norwegian PSA regulation (Petroleum Safety Authority)</li> <li>- NMA regulations (Norwegian Maritime Authority)</li> <li>- DNV 2.22 Lifting Appliances</li> <li>- NORSOK R-002 Lifting Equipment</li> <li>- EN 81-3 Electric and hydraulic service lifts, lift group E5</li> </ul>