

# MECHANICAL LIFT SYSTEM

LIFT IT EASY

**DIEHL**  
Aviation

Climbing higher.  
Together

## CHARACTERISTICS

It is Diehl Aviation's goal to provide passengers and crew the best possible experience during air travel. We are convinced that better passenger flights can only be offered in the future through continuous development in all areas of aircraft technology and cabin integration. One key area of expertise at Diehl Aviation is overhead bin technology and a particular feature in it is the Mechanical Lift System (MLS). This fully designed and developed force transmission unit functions completely without electronics. It reduces the force necessary to shut a fully loaded overhead bin by up to 30% without restricting the total available luggage space. The MLS helps flight attendants close the overhead bins quickly and thereby speeds up the boarding process.

## BENEFITS

- Reduces the force necessary to close luggage bins by up to 30%
- Speeds up the boarding process
- Quick and easy retrofit in A350-class aircraft
- Does not restrict total luggage space and loading capacity
- Extremely reliable and completely certified
- Safety feature prevents jamming hand or fingers

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## TECHNICAL DATA

### WHAT YOU GET

Modification of all A350 bins for one aircraft can be accomplished within 2 working days. No further parts besides the bins have to be modified and no electrical wiring has to be installed. Centre of gravity is not appreciably impacted.

**Here's what you get:**

- 1 – Unit (gas spring and damper unit)**
- 2 – Bracket (substitution for existing damper bracket)**
- 3 – Activation Switch**
- 4 – Bowden cable assembly**
  - Inserts & screws
  - Mounting template
  - Special tool for drilling the insert holes
  - Assembly instructions

