

Safety for Scissor Lifts



SENTIR bumper for protecting aircraft

The use of scissor lifts near aircraft is high-stakes work. Even minor contact can result in **costly damage**, **operational delays**, and **safety risks**. Our specially developed **SENTIR® safety bumpers** provide additional protection for scissor lifts and help prevent damage to the aircraft.

What are SENTIR bumpers?

Our safety contact bumpers are **durable, impact-sensitive protective devices** designed for mobile maintenance platforms, such as scissor lifts and other access equipment. Manufactured from soft, energy-absorbing foam instead of the rigid rubber profiles commonly used today, they provide a cushioned point of contact. Even in the event of accidental contact, the bumper minimizes the risk of permanent marks or damage while simultaneously triggering a safety stop.



■ Physical protection:

Flexible yet durable materials cushion impacts and help prevent damage.

■ Collision detection:

Built-in sensors detect contact with obstacles.

■ Immediate response:

Triggers a stop command, preventing any further movement towards the aircraft.

SENTIR® safety contact bumpers are weather-resistant and durable

How it works

Approach – The operator moves the scissor lift toward the aircraft.

Detection – The bumper contacts any surface, sensing impact.

Signal – The bumper immediately sends a stop command to the scissor lift's control system.

Safety stop – The scissor lift stops before any damage occurs.

Protecting Aircraft During Ground Handling and Maintenance

- **Prevent aircraft damage** – Minimizes the risk of scratches, dents and structural damage
- **Reduce repair costs** – Helps avoid expensive repairs and preserve aircraft value
- **Maximize aircraft availability** - Reduces unplanned downtime and operational disruptions

Why Manufacturers rely on our Safety Contact Bumpers

- **Easy integration** – Compatible with new or existing scissor lifts
- **Market differentiation** – Adds a valuable safety feature that helps differentiate your scissor lifts in the market.
- **Regulatory compliance support** – Aligns with airport ramp safety standards (IATA AHM 913)
- **Durable and low-maintenance** – Designed for demanding daily airport operations with no maintenance requirements.

Mechanical Properties

Protection class	up to IP67
Sensor covering	Artificial Leather
Sensor material	TPE
Switching cycles	>10.000
Switching angle	180°
Max. temperature range	-20°C to + 50°C

SENTIR®
bumper



Protect your aircraft and your operations

Equipping scissor lifts with SENTIR safety contact bumpers is a **simple and effective solution** for preventing damages. Reliable protection means **safer ground handling, reduced repair costs and greater confidence among operators.**

Contact us today to integrate SENTIR bumpers into your scissor lifts and ensure the safety of your aircraft operations.

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