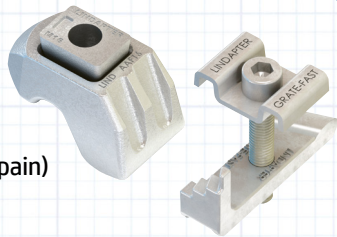


JFK Airport Terminal 1 Baggage Handling

Lindapter Type AAF clamps and Grate-Fast fixings enabled fast, weld-free installation of baggage-handling conveyor supports and mezzanine walkway grating at JFK Terminal 1.

Project Background

Location: New York, USA
Product: Type AAF & Grate-Fast® by Lindapter®
Quantity: 8400
Client: JFK Airport
Engineer/Specifier: Arambol (Spain)
Contractor: Vanderlande
Steel Fabricator: J&J



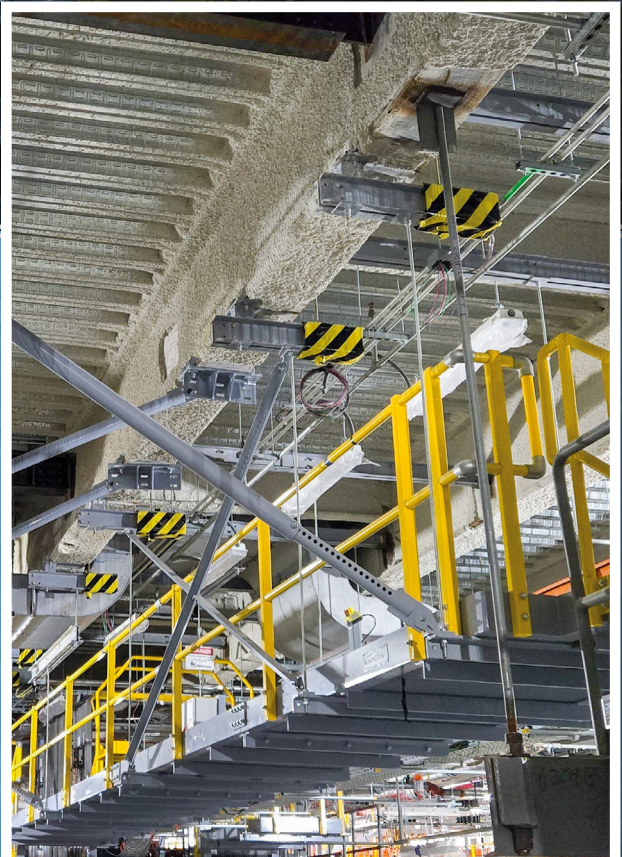
As part of ongoing infrastructure upgrades at JFK Airport Terminal 1, a new baggage-handling system was installed to improve operational efficiency and passenger throughput.

The project involved elevated conveyor structures and mezzanine walkways within an active airport environment, where construction time, safety and coordination were critical. Any connection solution had to integrate seamlessly with the steel framework while minimising disruption to airport operations.

Client Requirement

The client required a reliable and efficient method for fixing structural steel components associated with the baggage-handling conveyors and walkways. Connections needed to accommodate varying beam sizes, support dynamic operational loads, and allow installation without drilling or welding, particularly important in a live terminal environment.

Speed of installation, reduced labour, and compatibility with subsequent fireproofing works were also key considerations.



Lindapter connections integrated seamlessly with the steel framework while minimising disruption to airport operations

JFK Airport Terminal 1 Baggage Handling

Design Solution

Lindapter Type AAF clamps were specified to fasten the primary frames and bracing for the elevated baggage-handling conveyors, providing secure, adjustable connections across beam widths ranging from 15cm to 25cm using an M16 support bracket assembly.

In parallel, Lindapter Grate-Fast fixings were selected to secure the steel grating to mezzanine walkways, offering a quick method of installation without the need for welding or secondary drilling. Together, these systems delivered a fully engineered, high-performance solution suited to the operational demands of airport infrastructure.

Installation

Type AAF clamps were used throughout the baggage-handling system to connect steel frames and bracing that support the elevated conveyor lines.



Grate-Fast was applied to fix the grating panels to the mezzanine walkways, ensuring safe access for maintenance personnel while maintaining a clean and consistent finish.



Installation

Installation was carried out efficiently within the constraints of an operational airport. The clamp-based connection systems eliminated the need for hot works, enabling faster progress and reducing health and safety risks on-site. Following installation of the steelwork, fireproofing was applied including over the top of the Lindapter fixings systems to meet regulatory requirements.



Result

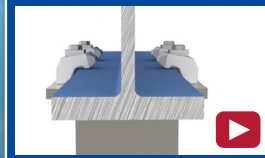
The project was completed with a robust, adaptable and time-efficient connection solution that supported critical baggage-handling operations. Lindapter's clamping and grating fixings helped reduce installation time, simplify coordination between trades, and maintain safety standards within a live airport environment.

Key Benefits

- ✓ Weld-free installation ideal for live airport environments
- ✓ Adjustable clamp solution suited to varying beam sizes
- ✓ Fast, consistent fixing of both structural steel and walkway grating
- ✓ Reduced labour time and improved site safety



Watch the **Type AAF** installation video



Watch the **Grate-Fast** installation video

