

Jackson Hole Airport Terminal

Lindapter Hollo-Bolts provided a reliable one-sided connection solution for fixing the external louvre and sunshade support framework to SHS steelwork at the Jackson Hole Airport Terminal.

Project Background

Location: Jackson Hole, Wyoming, USA
Product: Hollo-Bolt® by Lindapter®
Engineer/Specifier: KLJ Engineering
Contractor: SGH Concepts



Jackson Hole Airport is uniquely located within Grand Teton National Park and is internationally recognised for its architecture that blends functionality with sensitivity to the surrounding landscape. As part of ongoing improvements to airport facilities, the terminal required the installation of architectural louvres and sunshades on the building exterior. These elements play a key role in managing solar gain while contributing to the terminal's distinctive design language, which combines exposed steel, timber and modern detailing.

Client Requirement

The project team needed a dependable fixing solution to connect the external louvre and sunshade support framework to structural hollow section (SHS) steelwork. Access limitations meant that conventional through-bolting was impractical, while welding on site would have introduced additional time, cost and safety constraints.

The specified solution therefore had to provide a strong, secure connection from one side only, while supporting the architectural intent and construction programme of a live airport environment.



Hollo-Bolts enabled the successful installation of the louvre and sunshade framework

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Design Solution

Lindapter M12 Hexagonal head Hollo-Bolts were specified to form the required connections into the SHS steelwork. The Hollo-Bolt system allowed the contractor to achieve high-strength structural fixings without the need for rear-side access or on-site welding.

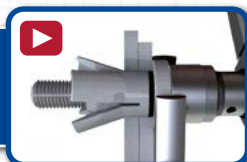
Its mechanical expansion mechanism provided a reliable connection within the hollow sections, while the zinc-plated finish ensured adequate durability for the external environment.



Installation

Installation was carried out efficiently by SGH Concepts, with each Hollo-Bolt inserted into predrilled holes in the SHS sections and tightened from the accessible side only. This simplified the installation process, eliminated the need for hot works, and reduced disruption within the operational airport setting. The speed and reliability of the Hollo-Bolt system helped keep the project on schedule while maintaining high standards of workmanship and safety.

[Click here to watch the installation video >>>](#)



Result

The use of Lindapter Hollo-Bolts enabled the successful installation of the louvre and sunshade framework, delivering a secure and visually clean solution that aligned with the architectural vision of the Jackson Hole Airport Terminal. The one-sided fixing method reduced installation complexity and ensured structural reliability, contributing to a high-quality finished building that performs effectively within its unique natural setting.



Key Benefits

- ✓ One-sided installation ideal for SHS connections with restricted access
- ✓ No welding required, improving safety and reducing on-site disruption
- ✓ Fast and efficient installation suited to live airport environments
- ✓ Reliable structural performance for architectural façade elements
- ✓ Clean, unobtrusive connection supporting architectural aesthetics

