



 H125/AS350 B3

Cockpit Floor Window

by Swiss Helicopter Engineering

Increased visibility for aerial work & firefighting



Discover full specs

she-ag.ch/cockpit-floor-window





Design intent & operational background

Sling load operations require continuous and precise visual reference of the external load. The operational constraints and visibility limitations associated with standard cockpit configurations are well known to experienced operators.

The design intent of the Cockpit Floor Window by Swiss Helicopter Engineering was to maximize pilot visibility while:

- preserving the standard external geometry of the helicopter
- avoiding complex structural redesigns
- maintaining full operational capability without limitations
- enabling a swift change between sling load and passengers operations

The result is a solution focused on operational efficiency, certification robustness and ease of integration.



Maximised visibility
The new floor window guarantees optimal visibility to the pilot.



Easy installation
Any Part 145 is able to install the kit. Nonetheless technical support is also available.



Competitive price
Swiss made with outstanding performance at an affordable cost.



No operating limitations



Main characteristics

A certified solution developed to significantly enhance pilot visibility during sling load operations on H125 / AS350 B3 helicopters.

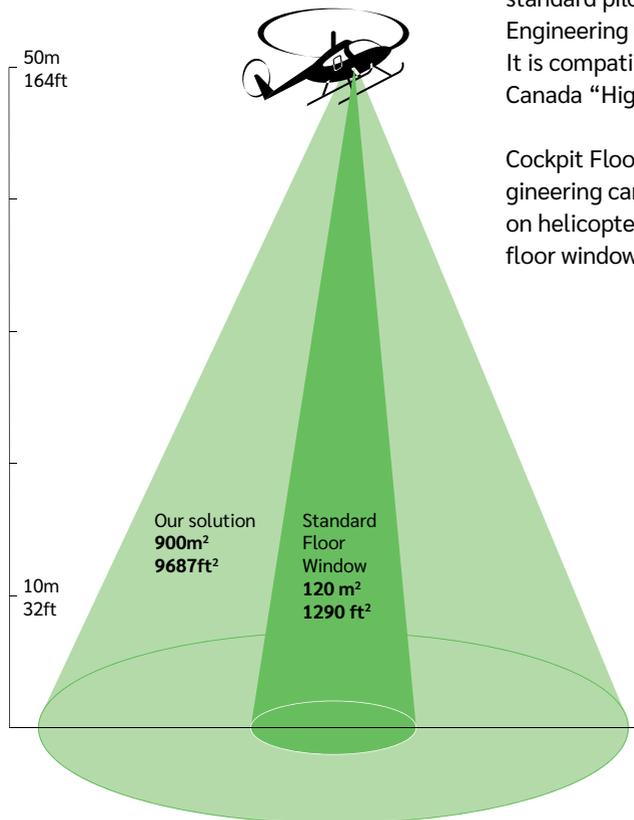
This new product from Swiss Helicopter Engineering is composed of **an enlarged cut out in the cockpit floor on the right of the pilot seat and a window on the lower cowling** to ensure high visibility of the pilot during sling load operations with H125 / AS350 B3.

The Cockpit Floor Window has been developed with the objective to maximize the view of the pilot during sling load operations without modifying the external shape of the helicopter.

It is compatible with the H125 / AS350 B3 standard pilot door but also Swiss Helicopter Engineering Bubble window.

It is compatible with the Airbus Helicopters Canada “High Visibility Door”.

Cockpit Floor Window by Swiss Helicopter Engineering can easily be installed as a retrofit on helicopters already equipped with existing floor windows.



Absence of window reflections

In order to avoid reflections and optical disturbances, **no additional transparent window is installed over the cockpit floor cut-out.**

An innovative textile-based close-out protection has been developed to:

- ensure a small natural ventilation to the floor window and the door for the prevention of moisture formation
- protect flight controls and systems from foreign objects
- ensure compatibility with different AS350 B3 configurations
- allow quick removal for maintenance





Minimization of the RH floor edge dimensions to optimize visibility

A key design feature of this modification is the **optimization of lateral visibility through the reduction of the right-hand floor edge dimensions**. The thickness has been decreased to 20 mm, thereby minimizing the “blind spot” to the sling load while fully preserving the structural integrity of the helicopter structure, which remains **completely suitable for stepping without limitations**.

Only 20 mm thick, fully walkable without restrictions, tested up to 270 kg.

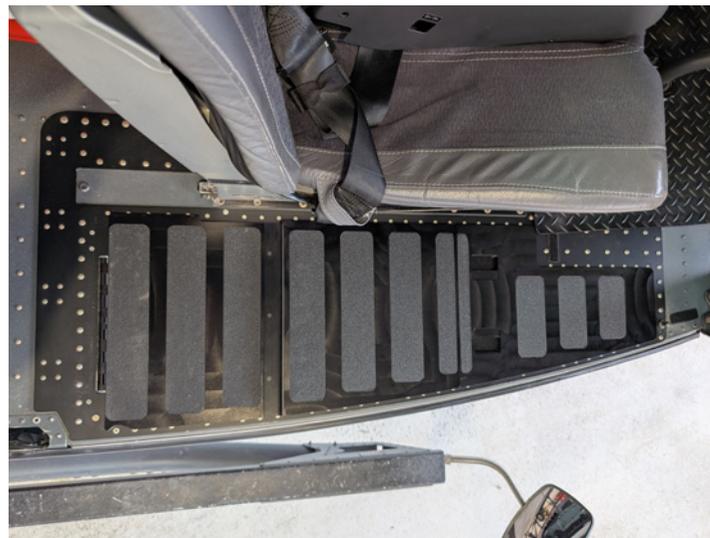
Easy boarding

In order to ensure easy boarding of the passengers, a foldable cover has been developed. This foldable cover can be easily moved by the pilot using only one hand.

- In lower position, occupants can step on it to get into the helicopter and to ensure easy access to pilot door emergency exit handle.
- In upper position, the cover provides a barrier for items being stored in the rear of the cabin to fall inadvertently into the floor cut out.



Utility and passenger operations enabled by the integrated foldable cover.



Optional cover kit for passenger operations

For operators performing passenger operations, an optional cover kit is available to fully cover the remaining floor cut-out when the foldable cover is in the lower position.

The cover can be installed by the pilot without tools. It is compact and delivered with a stowage bag to easily keep it in the rear baggage compartment when not installed.

Easily installed within than a week

The helicopter structure has been modified primarily through sheet metal design and by reducing the number of milled components, with the aim of improving compatibility with AS350 B3 helicopters and minimizing installation effort for operators. The helicopter downtime for the Cockpit Floor Window installation is one week.

The original lower cowlings have been modified in accordance with standard principles, and the window is installed using quick-release fasteners. This enables the window to be removed easily during maintenance activities. Opting to modify the original cowlings instead of supplying entirely new dedicated parts offers several advantages, including the availability of OEM spare parts and the ability to maintain compatibility with other widely adopted modifications (e.g., TCAS, VHF, cable cutters, ...).

To optimize pilot visibility, relocation of certain helicopter systems (e.g., transponder unit) and equipment (e.g., fire extinguisher) need to be relocated. The installation manual provides all instructions to do it.

The product is positioned as an intermediate solution between existing high-visibility concepts, offering an optimized balance between visibility, installation complexity and cost.

Retrofit installation on helicopters already equipped with existing floor windows is possible.

The Cockpit Floor Window system is composed of the following main elements:

- Window installed on the modified lower cowling
- Close-out protection below the floor opening
- Foldable floor cover for passengers boarding and for preventing objects to fall into the cut out
- Kit to modify the helicopter structure
- Optional cover kit to completely close the cut out when it's not needed

All components have been designed to ensure high compatibility with existing helicopter configurations and simplified installation and maintenance. All the parts are delivered with EASA Form1

No operational limitations apply: the H125 / AS350 B3 can be operated at its full potential.

Maintenance

Maintenance activities align on helicopter inspection intervals and consist mainly in visual inspections.

Thanks to the quick-release fasteners on the window and close-out protection, lower cowlings are still easily removable for maintenance activities.

Certifications

The SHE Cockpit Floor Window has been certified under EASA STC in October 2025 and validated by FAA in February 2026.

Transport Canada validation is ongoing and expected in Q1-2026. Many more will follow.



Costs and installation efforts

Cockpit Floor Window Kit

Material with EASA Form 1
STC Approval
Installation Manual
Flight Manual Supplement
Instructions for Continued Airworthiness

25'000 CHF

Optional Cover Kit

Cover kit to completely close the floor cutout, easily installable by the pilot for passenger operations.

Delivered with EASA Form 1.

CHF 2'000.-

Installation

The modification can be installed by any Part-145 approved maintenance organisation, and only 1 week of helicopter downtime has to be planned.

One sheet metal specialist and one composite specialist are required.

Swiss Helicopter Engineering's partner company technicians are available on request

Request a quotation

For further information or to receive a tailored quotation, please complete the request form at the following link:

she-ag.ch/cockpit-floor-window





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