

SefrinTec

Discover a new style of recovery





SefrinTec Intelligent Recovery System



Your next recovery will be much smoother with SefrinTec. SefrinTec's perfect interaction between the pressure-sensitive sensors inside the SefrinTec Sensor Mat and other load measurement devices enables you to control and to record the entire recovery operation.

+ Easy

The system allows you to select aircraft types and display all required recovery information, giving you a clear overview of the whole recovery operation. Having all important information on a single display enables you to exercise full control over the recovery.

+ Safe

With SefrinTec, the lifting bags are fully inflated. Drop threads are tightened and thus make recovery safer and more stable. SefrinTec lets you control the actual pressure of each lifting bag in contact with the aircraft.

+ Active

Optical and acoustical signals warn against exceeding limits and prevent secondary damage.

+ Clear

The system continuously compares the actual measured data with the data permitted according to the aircraft manufacturer.

+ Recorded

With SefrinTec, all recovery data is documented. The fully ruggedized 11.6" tablet with its TFT LCD sunlight-readable LED multi-touch display is compatible with Microsoft Office and can be used to print reports.



Intelligent sensor mat Easy handling – our base mat is $2 \text{ m}^2 (21,52 \text{ ft}^2)$.



SefrinTec software

This unique software can be used to monitor all recovery methods and provides you with a clear, structured overview of every step in your recovery operation.

Crane lifting

Crane lifting is one of the 5 recovery methods that can be monitored with our Intelligent Recovery Software. Using drag&drop, simply place your optional sensor devices in the appropriate frames of the aircraft displayed on

your monitor and start your recovery operation. Lifting forces can thus easily be measured, monitored and recorded so that all lifting data is documented.

Find out more at www.sefrintec.com

SefrinTec Recovery Manager

The Recovery Manager assembles and controls all your recovery data. The hardware, combined with the Recovery software, forms the heart of the entire system. Together with the ruggedized tablet, the software compares the actual measured data with the data permitted according to the air-craft manufacturer. Optical and acoustic signals warn against exceeding limits and prevent further secondary damage.



SefrinTec Intelligent Sensor Mat

The Intelligent Sensor Mat is the basis of the SefrinTec Intelligent Recovery System, measuring the real pressure between aircraft weight and the contacted surface. The mat is available for all common lifting bags. Customized sizes can be provided on request. Apart from the direct lifting process using lifting bags, the mat is also deployed in transporting an aircraft without landing gears.



Measurement technology: Pressure sensors with latest technology

Mat thickness: 25 mm/0.98 in

Pressure measurement range: Up to 1 bar/14 psi

Protective layer:

The external protective layer prevents damage to the intelligent core and allows operation temperatures between -30 °C and +60 °C.

The same characteristics as the material used for the lifting bags (oil- and dirt-repellent, ozone-resistant, tear-resistant).

Size:

Sizes are available for all standard lifting bags. Customized sizes can be provided on request. Our recommended basic sizes are 2 m² (21.52 ft²) – Easy handling. Basic element: 500 mm x 500 mm (19.68 in x 19.68 in)

Weight:

5.5 kg/m²/ approx.: 1.1 lb/ft² (under 20 kg and can be handled easily by one person)

Data transmission: Cable link to recovery server

Sensor distance:

166 mm/6.53 in

SefrinTec Recovery Manager



Choose your operation

The SefrinTec Recovery Manager software enables you to have complete control over the entire recovery operation. The software monitors and evaluates each step of your recovery operation. Depending on your measuring device, you can choose between the five methods shown above. SefrinTec Recovery Manager monitors different operations simultaneously and provides the tools for safe and quick recovery.



Preselection

The system allows you to select aircraft types and display all required recovery information, giving you a clear overview of the whole recovery operation. Having all important lifting information on a single display, for example, enables you to perform simultaneous lifting. 300 civil and military planes, as well as business jets, are pre-installed.





Warning

Optical and acoustic signals warn against exceeding the limits and prevent further secondary damage.

Sensors in place

Once all sensors are in place and your recovery has been started, the Recovery Manager continuously compares the actual measured pressures and loads with the data permitted according to the aircraft manufacturer.





Reporting

SefrinTec enables all recovery data to be documented. The final report provides a descriptive overview of your recovery and ensures legal certainty in insurance cases.

DARS Services

DARS is a full-service provider of all Airport Fire, Safety, Emergency Planning and Aircraft Recovery services. Developing, organizing and managing aircraft recovery can be a difficult task. DARS is on hand every step of the way to provide support. Whether you need to keep track of your inventory or conceptualize your aircraft recovery operation, we have the tools to help you succeed.



Aviation consulting

DARS® Airport Fire, Safety and Emergency Consulting services provide clients with a hazard and risk analysis, a survey of their aircraft recovery capability, a detailed assessment report and a customized emergency concept. We develop and implement a contingency plan as well as provide all the documents, procedures, regulations and policies that you require.



Training

On average, one aircraft per day needs to be recovered. It is therefore essential that properly trained teams are on hand to perform all aircraft recovery operations. At DARS[®], we pro-



vide the training your team requires to execute any and all operations, from recovering an aircraft bogged down in mud through to recovering an aircraft that has lost all landing gear. Regardless of the complexity of the recovery, DARS[®] Aircraft Recovery training courses offer the expertise to meet the challenge. Learn more about our various courses and book your training today online at www.dars.aero

Aircraft Recovery Service

Let DARS manage and operate your aircraft recovery responsibility.

DARS can:

- provide full aircraft recovery equipment inspection and verification according to European standards
- establish a computer-controlled inventory list and equipment record cards
- manage all your administration issues regarding your recovery equipment
- · supply you with all the recovery equipment you require



DARS About us

DARS is a team of experts skilled in fire, safety and emergency issues within the aviation industry. We address all aviation-related concerns and provide the right solution for you. We are ...

...experienced

International airlines and airports rely on the experience of DARS, have us create their aircraft recovery concept and train their staff. Airports in Germany, Egypt, England, Abu Dhabi, Asia and South America trust in our expertise. Our IATA certified instructors provide training in all areas of aircraft recovery everywhere in the world.

... specialized

Since 1995, the company founder and CEO Thomas Sefrin has been active in the fields of Airport Fire, Safety, Emergency Planning and Aircraft Recovery. DARS® GmbH covers all aspects of these complex and highly technical activities. At the International Civil Aviation Organization (ICAO) in Montreal, Thomas Sefrin is acknowledged as an expert and lecturer in airport fire protection, aircraft rescue, firefighting and aircraft recovery.

Airports, institutions and partners we work together with:





24/7 Emergency Service contract

DARS is available around the clock for all aircraft recovery needs. When you sign on with DARS, you have access to a Three Level Emergency Response Plan for all aircraft recovery operations. DARS provides a plan for all clients including airlines, airport operators, the military and companies with their own fleet of aircraft.

Levels of Response:

- Phone/e-mail consulting
- On-site consulting
- Complete aircraft recovery operation

Out-of-contract requests

Out-of-contract requests can be met but are dependent on availability and feasibility with regard to the time of inquiry.

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