

► **FIXINGS FOR STUD SYSTEMS**

No tools required for installation. Use of existing fixing points in the cell structure. Vibration and crash resistant to meet MIL STD 810G. Can be used for other equipment configurations by duplicating the fixing points on the armour surface.



► **ULTRA-LIGHT PROTECTION USING THE LATEST GENERATION OF FIBRE MATERIALS**

Protection against softcore threats:

Protection level: 7.62 x 51 NATO Ball at 830m/s and 7.62 x 39 M1943 at 700m/s, multihit 120mm triangle. Weight per unit area: 15kg/m², incl. enclosure and functional surfaces. 25% weight reduction compared to previous version.

Protection against AP threats:

Protection level: STANAG Level 2, multihit 120mm triangle. Weight per unit area: between 26 and 30kg/m² depending on construction, incl. enclosure and functional surfaces.



When every kilo counts – ultra-light protection using the latest generation of fibre materials

► **DISCOVER OUR EXPERTISE AND CUSTOM SOLUTIONS.**

► **MEETING YOUR REQUIREMENTS IS OUR MOTIVATION.**



► **CONTACT**

MEHLER ENGINEERED DEFENCE GMBH

Salinenweg 38
38364 Schöningen
Germany

Tel: +49 5352 969210 00
Fax: +49 5352 969110 10
Mail: info@mehlerdefence.de

www.mehler-engineered-defence.de



No liability can be accepted for any errors or omissions. Subject to technical modification without notice. Reprint, copying and any kind of electronic reproduction only with our express written approval. Illustrations and information are without obligation.



**EXCELLENCE
IN PLATFORM
PROTECTION**



XPRO SA^{AIR}

**LIGHTWEIGHT AIRCRAFT
PROTECTION SYSTEMS**

▶ ABOUT MEHLER

Mehler Engineered Defence GmbH is a fully-owned subsidiary of Mehler Vario System GmbH in Fulda. Within the consolidated companies we develop and produce complex platform protection systems covering the entire range of naval craft, ground vehicles and aircraft as well as protection systems for critical infrastructures.



▶ Expertise from a single source

▶ STAND-ALONE SYSTEMS

XPRO SA^{AIR}

Stand-Alone Systems

- ▶ Modular lightweight stand-alone system for integration
- ▶ Protective function is fulfilled even by the stand-alone protection plate itself
- ▶ No further layers of material are necessary to meet protection requirements

EXCERPT OF POSSIBLE PROTECTION CLASSES

- STANAG 4569
- STANAG 2920
- VPAM
- TR Ballistic vests
- NIJ Standard-0101.08
- TR Ballistic shield
- or customer-specific threat scenarios

SYSTEM PROPERTIES

- Flat design
- Fire properties acc. to FAR IJAR/CS 25, App. F, Part I
- Shock- and acceleration-resistant fastening elements
- Suitable for retrofitting existing weapons systems as well as for integration into new designs

FURTHER SYSTEM PROPERTIES AND OPTIONS

- Suitable for night vision devices
- Resistant to environmental influences
- Short set-up times (no tools required for the installation)

▶ MODULAR SIDE PROTECTION AS A HARD PROTECTION CONSTRUCTION

For use in passenger or cargo compartments. Connection to the cell structure by means of lightweight composite rods using the cell's existing fixing points. Can be fitted on either side. Vibration and crash resistant to meet MIL STD 810G.



▶ BALLISTIC COVER FOR CARGO RINGS

Used to provide ballistic protection of openings in armour, e.g. access openings to equipment fixing points. No tools required for installation.

