



THE BEST OF TWO WORLDS

Sun shading systems
with integrated safety barriers



Glass

The glass fall protection allows safety combined with modern, transparent design. Glass systems are used for plastic, wooden, wooden-aluminium and aluminium windows. Glass widths of up to 3,000 mm and low heights starting at 200 mm can be realised.

Grid

If a classic balustrade or a timeless French balcony is preferred, the fall protection made of aluminium or steel is the right solution for every building project. The aluminium fall protections with low weight and simple assembly are prefabricated from extruded profiles and coated in the color of your choice. The grid systems made of steel are characterised by high-quality materials as well as by an accurate workmanship and maximum safety.

Panel

The fall protections offer creative design freedom and a versatile selection of different design templates. Whether in a perforated look, with an individual pattern or continuous motifs: The window fall protection made of aluminium sheet combines innovation and functionality with freedom of pattern selection, approved safety and high installation comfort. Widths up to 2400 mm are possible.

Rod

The rod system is a timeless and simple lintel bar for windows. Rod systems are suitable for low balustrade heights in new buildings or for building renovations. The version is available as an option in an aluminium round pipe.



TECHNICAL DETAILS



Detail guide rail
The universal rail enables lateral over-insulation of the window frame and still has a very small distance to the frame.

Versatile integration
Various types of guardrails can be easily inserted through the guide rail, shown here with glass panel or grid.

MAXIMUM SAFETY IN A WIDE RANGE OF DESIGNS

Floor-to-ceiling windows and large window areas provide light-flooded rooms and are still a major trend in architecture today. In addition, windows without sun protection are no longer contemporary, and future-oriented construction does not work without shading and darkening systems. In order to guarantee a maximum of safety and to fulfill the construction requirements, fall protection systems have to be installed in case of missing or low balustrades. To do so, HELLA, the

Austrian market leader for sun, light and weather protection systems and the system provider for window fall protections, Abel Metallsysteme, have combined their forces and offer an integrated complete solution for a maximum of safety in connection with various designs. All systems for fall protections are constructed in a modular way, suitable for the most different types of windows, individually tailored and comply with the constructional requirements.

FALL PROTECTIONS

With the integrated glass, grid, rod, and bar solutions classic, elegant, and creative facade accents are made possible. The fall protections correspond to the high legal requirements to safety and represent high-quality architectural results. Through special adjustments, individual solutions corre-

sponding exactly to our customer's requests can be realised. The fall protections are available in combination with the HELLA surface-mounted and front-mounted systems. They are supplied with external venetian blinds, roller shutters or vertical awnings and optionally with integrated insect protection.

Beam load [kN/m]	Maximum width in mm			
	Glass	Steel grid	Aluminium grid	Rods
0.5	3,000	2,500	2,500	2,400
1	2,500	2,000	1,500	1,700

HIGHLIGHTS

- Aesthetic design element
- Safety through tested and patented fastening systems (General Appraisal Certificate)
- Long service life due to high-quality elements
- Clean, defined plaster connections

HELLA

Flyer | Fall protection

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Subject to modifications.