

## Object protection grille O-S-G Barrier

Efficient facility protection through  
high-security technology

The SOMMER Object protection grille O-S-G Barrier is designed to protect ventilation openings against external hazards while allowing air to flow through.

### Highlights

- Intrusion protection/resistance classes Barrier B, C and D per currently valid requirements of Tatmittelkatalog (device catalogue) RS I6 - 13143/20. 10 load assumptions for designing nuclear plants and facilities against interference or other actions of third parties (SEWD directive)
- Bullet resistance
- Explosion resistance
- Downpour-proof
- Supply and return air openings optimised for good ventilation
- Hot-dip galvanised for corrosion resistance
- Low maintenance

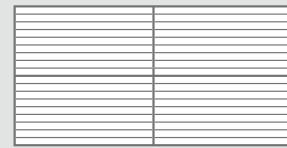
# Object protection grille O-S-G Barrier



## DESCRIPTION

The SOMMER Object protection grille O-S-G Barrier is designed to protect ventilation openings against external hazards while allowing air to flow through. This type of facility protection grille consists mainly of specially shaped blades enclosed in a frame. The facility protection grille has a modular structure. Multiple modules can be combined horizontally and vertically.

## MODELS



## REQUIREMENTS

Facility protection barrier B, C and D per GRS and ENSI directive

- Earthquake resistance
- Bullet resistance
- Intrusion protection/resistance classes C20, C40, C80 (analogous to wall thickness/concrete)
- Pressure wave resistance per EN 13123
- Air sealing per EN 12207

## SIZE RANGES

- Width: 1500 mm (can be expanded without limitation by adding multiple grilles)
- Height: unrestricted

## WALL AND STRUCTURAL ATTACHMENTS

Welded into a mounting frame set in concrete, with shear studs

## SURFACE TREATMENT

Hot-dip galvanised

## VENTILATION PROPERTIES

- The pressure loss must be determined for the specific building requirements
- Weakening of pressure waves from tornados and explosions

## OPTIONAL EQUIPMENT

- Bird protection grate
- Alarm wire
- Anti-frost heating system