

# MSBG/MSDRBG/MSTRBG

MAXIMUM SECURITY BAR GRILLES

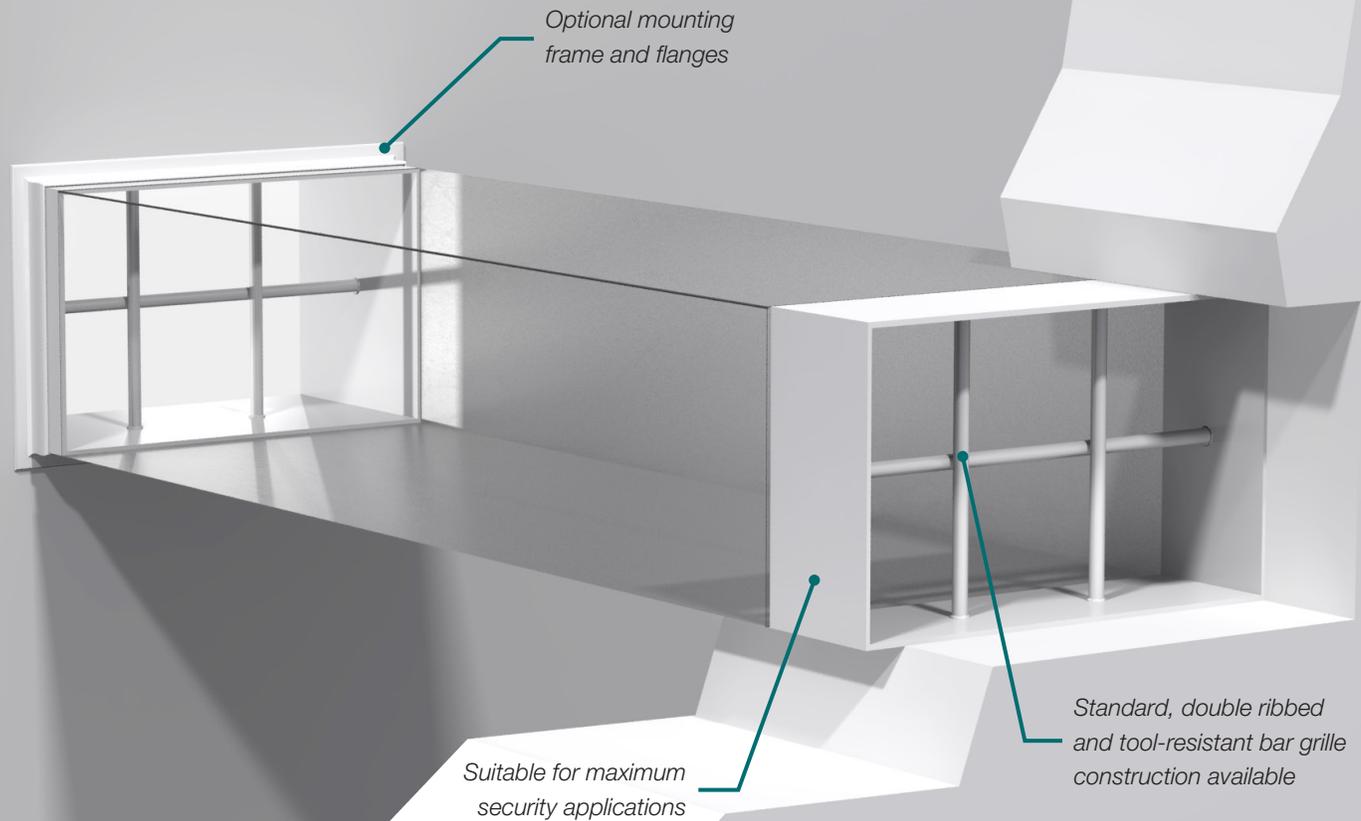


# MSBG/MSDRBG/MSTRBG

## Maximum Security Bar Grilles

Security bar grilles restrict access and allow airflow between secure and non-secured areas. Ideal for maximum security applications, security bar grilles feature all-welded construction and are mounted to the wall using a welded frame with optional mounting flanges. Maximum security bar grilles are available in three main configurations: standard, double ribbed and tool-resistant.

*MSBG bar grille installed*

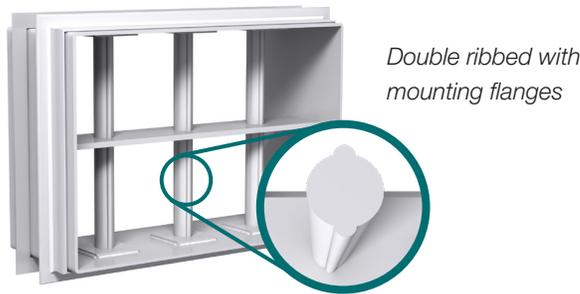


### STANDARD (MSBG)

- + Maximum opening between barrier bars: 6 in. x 12 in.
- + Sleeve: 3/16 in. hot rolled steel flat bar frame
- + Barrier Bars: 1/2 in. diameter hot rolled steel or stainless steel bars located on maximum 6 in. vertical and 12 in. horizontal centers

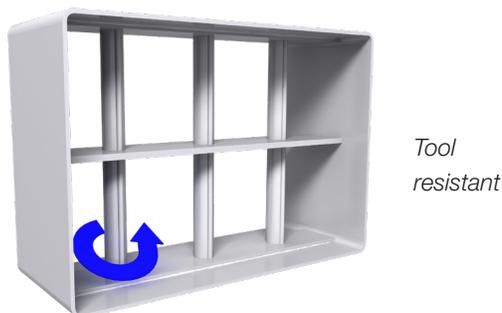
### DOUBLE RIBBED (MSDRBG)

- + Maximum opening between barrier bars: 5 in. x 12 in.
- + Sleeve: 1/4 in. hot rolled steel flat bar frame.
- + Barrier Bars: 7/8 in. diameter 1065 grade steel double ribbed bars inserted in 3 in. square plates welded to the sleeve are designed to prevent rotation.



### TOOL RESISTANT (MSTRBG)

- + Complies with ASTM A 627-03.
- + Sleeve: 1/4 in. hot rolled steel flat bar frame.
- + Barrier Bars: 7/8 in. diameter heat-treated carbon steel bars inserted into tool resistant flat bar and designed to rotate to inhibit the use of cutting tools.
- + Flat Bars: 2 1/4 in. x 3/8 in. tool resistant flat bars are welded to sleeve on 12 in. horizontal centers.



## TYPICAL APPLICATIONS

Security grilles reduce unwanted access to ductwork in spaces where supervision is minimal and vandalism or misuse is a risk. Such areas include: correctional facilities, psychiatric hospitals, rest stops, park facilities, schools, and sports venues. Maximum security bar grilles provide additional security in openings between secure and non-secure areas, and should be placed in every opening through a secure wall.

### CONSTRUCTION

- + Configuration
  - Standard (MSBG)
  - Double ribbed (MSDRBG)
  - Tool resistant (MSTRBG)
- + Size
  - Minimum: 6 in. x 6 in.
  - Maximum: 30 in. x 30 in.
  - Oversized construction available for field assembly
- + Options
  - Wire mesh (WM)
  - Mounting flanges
  - 4-sided mounting frame
  - Masonry rods (MSTRBG) only



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