

# RapidGrille™ AP Security Grille System



MODEL

676



INDUSTRY LEADING  
COMMERCIAL & INDUSTRIAL SOLUTIONS



# RapidGrille™ AP Advanced Performance Security Grilles

## MODEL 676

### Standard Features At a Glance

Max. standard width	30'4" (9,246 mm)
Max. standard height	14'4" (4,369 mm)
Max. total area	240 ft <sup>2</sup> *
Curtain	Galvanized steel links and rods with mill aluminum spacer tube
Curtain pattern	Straight lattice 9" center vertical links with 2" center rod spacing
Door roll	Directly driven, springless steel tube roll with integral shafts, keyed on the drive end and supported by self-aligning grease-able sealed bearings
Hood	24 gauge black painted steel
Guides	Three structural steel angles with PowderGuard™ Weathered finish with black powder coat
Bottom bar	Tubular extruded aluminum with mill finish
Standard mounting	Face of wall
Motor	Direct drive, hypoid gear motor/brake assembly with manual hand crank. Opening speed 20 inches/second Voltage: 208VAC, 230VAC, 460VAC Phase: three phase Horsepower: ½, 1 and 2 Left or right hand mount
Control panel	NEMA 4X rated; variable frequency drive, self-diagnostics, built-in cycle counter, and timer to close
Safety features	Automatic stop lock brake and cover, photoelectric sensors with commercial grade guards, 2-wire, black/yellow striped electric fail-safe sensing edge, motor cover
Limited warranty	60-month on motor; 24-month on door components

\* Dependent upon the curtain material and pattern. Consult factory for sizes not listed above.

### Options

- **Curtain pattern:** Brick 4.5" on center vertical links with 2" on center rods spacing.
- **Curtain material:** Mill aluminum link, galvanized steel rod, with mill aluminum spacer tube  
Clear anodized aluminum link, galvanized steel rod, and clear anodized aluminum spacer tube  
#4 or #2B stainless steel link, rod, and spacer tube
- **Guides:** PowderGuard™ Premium finish, PowderGuard™ Zinc finish, stainless steel #4 or #2B
- **Hood:** 24 gauge powder coated steel, stainless steel with brush finish, powder coated aluminum.
- **Actuators:** Loop detectors, radio control, push buttons, motion detectors and pull cords.

## RapidGrille™ AP delivers advanced

The RapidGrille™ AP security grille system was developed to supply advanced performance in industrial, security and general commercial applications where tenants' security, long term asset value and minimized interruption to facility access are primary concerns.

### The solution that answers demanding application needs

The RapidGrille™ AP system's advanced performance design answers the demand for more in reliability, durability and efficiency. Ideal applications include the following:

- Parking garage facilities
- Industrial manufacturing facilities
- Government facilities
- Public facilities
- Shipping and receiving docks

### Advanced performance and safety features

The RapidGrille™ Advanced Performance Security Grille provides facilities with maximized air movement and visual access while delivering more safety features than a standard security grille. The reliable springless design and operation provides reliable performance and asset longevity. This grille system's design delivers additional safety features with the automatic stop lock brake, photoelectric sensors and self-monitoring sensing edge. The NEMA 4X control panel provides built-in cycle counter and timer to close function allowing for ease of operation while providing rich system diagnostics.

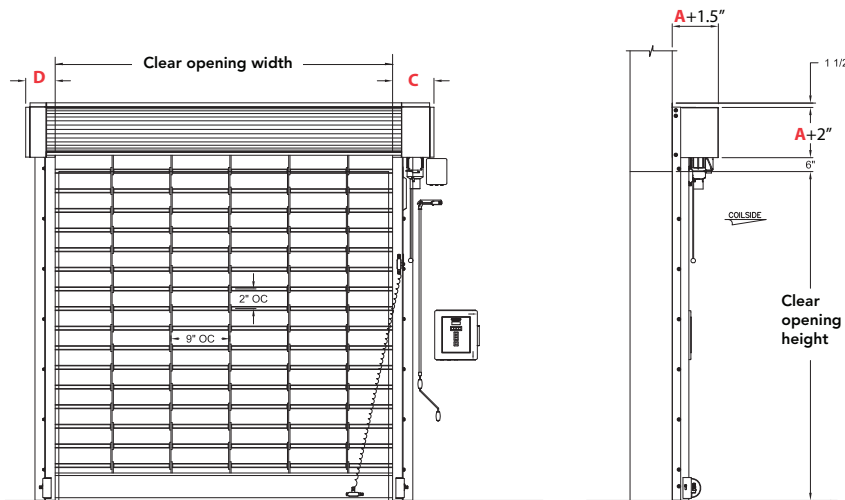
### Curtain design delivers durability

The continuous rod design combined with the high strength curtain materials of the RapidGrille™ AP increases the durability and security of this system. Several curtain materials are available to meet the requirements of the project, the standard offering features high strength galvanized steel links and rods with aluminum spacer tubes. Optional materials include aluminum (mill or clear anodized) links, galvanized steel rods, and aluminum (mill or clear anodized) spacer tubes. For demanding corrosive environments, complete stainless steel curtains (#4 or #2B finish) or complete powder coated curtains can be provided. The standard curtain pattern is 9" (228.6 mm) straight lattice with 2" (50.8 mm) rod spacing. The staggered brick pattern is an available option.

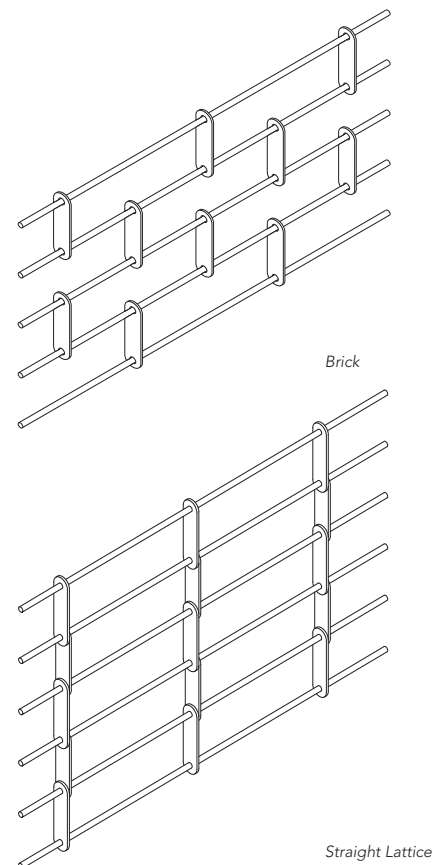


# ced security, durability, performance and low maintenance

### RapidGrille™ AP model 676



### Grille Patterns



### Headroom and Sideroom Clearance Dimensions

Dimension A		Dimension C		Dimension D	
Wall Opening Height	A	Drive Side	C	Non-Drive Side	D
Thru 6'	14"	Direct Drive Motor	15"	Drop Stop Device	11"
Thru 10'	16"	Direct Drive Motor	15"	Drop Stop Device	11"
Thru 14'	18"	Direct Drive Motor	15"	Drop Stop Device	11"

### High cycle performance and low maintenance solution

Building owners and facility managers both appreciate RapidGrille™ AP features including the springless design that delivers advanced, high cycle performance and lower maintenance system requirements resulting in increased productivity while decreasing system downtime. One such feature is the direct mounted variable frequency hypoid gear drive that improves cycle life and system durability by eliminating the sudden jolts typically

found in a conventional chain and sprocket drive system. The springless design is another feature that increases performance and durability while eliminating the need for spring replacement. The RapidGrille™ AP comes with motor operation, standard safety features, and a unique door brake system. The motor operation can be left or right hand mounted, affords flexibility to meet the needs of the facility and application.

Note: These products allow air infiltration and are not weather tight.

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