



Alumiguard Rolling Grilles Series 375



Furnish

Alumiguard Rolling Grille, series 375, as manufactured by ADT complete with curtain, hood, guides, counterbalance and options as specified.

Highlights

- 5/16" solid rod construction
 - Tubular aluminum bottom bar
 - Aluminum guides
 - Light weight design
 - Torsion spring counterbalance
- Operation
- manual lift
 - chain hoist using gear reduction
 - internal or external industrial motors
 - removable hand crank

Curtain

Construction shall be ADT straight pattern with all exposed metal to be aluminum or stainless steel. Continuous 5/16 horizontal rods are spaced 2" o.c. Links form vertical chains of eyeletted aluminum or stainless steel 3/4" wide. Chains are positioned using E-rings on 9" (6") (3") centers. Double E-rings to be furnish at ends to prevent grille from exiting guides. Bottom of grille shall be provided with tubular aluminum bottom bar. Bottom bar to house locking mechanisms.

Bottom Bar

To be heavy duty 2" x 3" extruded aluminum tubular bottom bar. Designed to minimize deflection for large openings. Upper section interlocks to vertical links. Lower section will accept (optional) internally installed cylinder locks.

Locking

For manual and crank operated grille to be cylinder locks mounted inside the bottom bar. Gearing within motors to be self locking. Motorized grille with locks require track mounted interlocks or an H operator with a lock sensor.

Spring Counterbalance

Is to be housed in a steel pipe of the appropriate diameter and wall thickness as to support curtain. Deflection shall be limited to a maximum of .03" per foot of door width. Springs are to consist of helical torsion types designed to meet a 25% load factor. Safety factor allows for safe operation, ease of use, and longer spring life. Springs are to be grease packed and anchored, using a cast iron anchor, to a cold rolled steel inner shaft. Spring tension shall be fully adjustable from outside of end bracket plate. To insure smooth operation end bracket plates shall contain sealed ball bearings to minimize wear of pipe shaft.

End Bracket

Plates shall consist of steel plate no less than 3/16" thick. Bracket plates are to house pope shaft and counterbalance assembly. Shaft is attached to plate by sealed ball bearings fitted onto plate.

Guides

Shall consist of extruded aluminum. The guide depth shall be of a length adequate to provide for proper curtain penetration. Nylon inserts at the throat of the guides to reduce noise and act as a wearing surface. Locking channels at the guide edge prevent grille from being forced out of the guide.

Hoods

Shall consist of a minimum of #24 U.S. gauge steel. Hoods are designed to protect and house counterbalance assembly. To prevent hood sag, intermediate supports shall be furnished as required.

Finish

All non-galvanized surfaces shall receive a shop coat of rust inhibiting primer. Aluminum to have natural mill, or optional clear anodized, or bronze anodized finish. Stainless steel to have #2b or #4 finish.

Installation

To be by ADT or by an authorized dealer.

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