

700 Series – Lift Ready Rolling Grilles

Part 1 - GENERAL

1.01 DESCRIPTION

A. Type: Lift Ready Rolling Grilles to be provided by Asta Door Corporation.

B. Operation: Manual operation or optional chain hoist operation or optional motor operation.

C. Mounting: to be interior face mounted or between jamb mounted on a prepared opening.

1.02 RELATED WORK

A. Opening preparation, access panels, finish or field painting is in the scope of the work of other sections or trades. Steel and aluminum mounting tubes are optional.

Part 2 - PRODUCT

2.01 CURTAIN

A. Curtain: 5/16" diameter extruded aluminum rods spaced 1-3/4" on center vertically by 1/8" x 5/8" x 4-1/4" aluminum links horizontally spaced 9" on center and covered by 1/2" aluminum spacer tubes on every other rod.

B. End Links: Extruded aluminum end links spaced 1-3/4" on center.

C. Windload: No windload.

D. Bottom Bar: Tubular aluminum extrusion with with P.V.C. bulb astragal.

2.02 BARREL ASSEMBLY

A. Barrel: Aluminum barrel with enclosed helical torsion spring, sized to grille weight with maximum deflection of 0.03 inch per foot of width.

B. Springs: to be oil tempered, grease packed helical torsion type with grease sealed ball bearings or self-lubricating graphite bearings for rotating members, sized to designed to cycle 20,000 times. Springs are to be mounted on a cold rolled steel inner shaft.

C. End Bearing: to be self lubricating ball bearings or oil impregnated bronze bushings.

2.03 BRACKET PLATES

A. Bracket Plates: 3/8" thick by 15" front-loading off-set steel plate. Finish is grey metallic powder coat paint.

2.04 OPERATION

A. Standard: Manual push up operation is standard.

B. Hand Chain: Optional hand chain operation to be galvanized machine link. Pull not to exceed 35 lbs. (156 N).

2.05 GUIDE ASSEMBLY

A. Wall Angles: face of wall mount or structural steel tubes.

B. Guides: to be extruded aluminum, 3" x 1-1/2" with shoulders for curtain retention fitted with vinyl stripping both sides of curtain and with removable headstops.

C. Windload: does not satisfy any specified windloading.

2.06 HOODS

A. Hoods: hood is not standard. Optional 26 gauge galvanized steel with baked epoxy primer or aluminum hoods are available.

B. Reinforcing: to be 1/4" (6.35mm) thick steel brackets for wider grilles when needed.

2.07 LOCKING

Locking: cylinder locking is standard. Optional thumbturn locks are available. Note: Thumbturn locks require the optional rod protection pattern.

2.08 Tube Supports to be telescoping tubes or face of wall mount angle of either aluminum or unpainted steel.

2.09 FINISH

A. Finishes: to be standard clear anodized aluminum finish on curtains, bottom bars and guides.

Part 3 - EXECUTION

3.01 INSTALLATION

A. Installation: to be by Asta Door Corporation authorized representative according to Asta Door Corporation standards, installation instructions and approved shop drawings.