

## 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.