

Specification Sheet: Series 7500 Rolling Steel Fire Shutter

Curtain:	Interlocking curtain slats roll-formed from 22 gauge galvanized steel or stainless steel. Lateral slat movement and curtain wear controlled by galvanized malleable cast endlocks fastened to every other slat. Flat slats only.
Bottom Bar:	Fabricated from hot-dipped galvanized steel or stainless steel angle bolted to the curtain.
Guides:	Boxed shaped guides fabricated from 11 gauge steel or #4 polished stainless steel with integral bell mouths and curtain stops.
Headplates:	Headplates for mounting curtain, hood and barrel assemblies fabricated from minimum 1/4" steel plate. Drive side of barrel to be provided with precision sealed ball bearing in cast iron housing.
Barrel:	Fabricated from minimum 4-1/2" O.D. pipe. Deflection under full load not to exceed 0.03" per ft. of span. Barrel provided with threaded rings or lugs welded to the barrel assembly for curtain attachment.
Springs:	Spring tension end of the barrel assembly fabricated with self-aligning ball bearing assembly. Curtain weight counterbalanced by oil-tempered, helically wound torsion springs, grease packed and mounted on steel torsion shaft.
Hood:	Fabricated from minimum 24 gauge galvanized steel sheet shaped to fit within the headplates. Intermediate hood support(s) furnished as required.
Locking:	Manual push-up doors furnished with interior slide bolt locks with padlock provision standard.
Operation:	Manual push-up operation standard through ten feet wide. Optional awning crank available for all sizes, required for doors 11'4" wide and over.
Releases:	165-degree fusible links provided (standard). Fail-safe time delay releases, smoke detectors, audible and visual warning devices (optional). Closing speed regulated by viscous governor. Closing speed to be between 6" to 24" per second per NFPA 80.
Finish:	Curtain slats and hood are hot-dipped galvanized, per ASTM A653 A, with baked on epoxy primer and polyester finish coat available grey and white or powder coating (optional). Guides and headplates shop painted medium gloss black. Stainless steel shutter curtain, guides, hood and bottom bar furnished #4 polished finish. Powder coating available for all steel painted components.
Warranty:	Manufacture's standard 5 year from date of plant shipment against defects in materials or workmanship. (Spring wire one year.)
Installation:	C.H.I. Rolling Steel Doors shall be installed and adjusted according to C.H.I. assembly instructions by trained door service technicians. NFPA 80 and model groups, mandate annual inspection and drop testing of fire doors to check for proper operation and full closure.