

Specification Sheet: Series 7000 Rolling Steel Fire Door

Windload:	To be determined by A.H.J. (Authority Having Jurisdiction). Limited deflection to an amount that prevents curtain from being blown out of the guides.
Curtain:	Interlocking curtain slats roll-formed from 22, 20 or 18 gauge galvanized steel. Optionally available in 22 gauge stainless steel. Insulated curtain slats are 22 or 20 gauge galvanized steel and contain mineral wool insulation with a 24 gauge galvanized steel backer slat. Lateral slat movement and curtain wear controlled by galvanized malleable cast endlocks fastened to every other slat. Windlocks are added as dictated by door size and windload requirements. Available in flat slats or curved slats for steel uninsulated curtains and flat slats for stainless steel and insulated slats.
Bottom Bar:	Fabricated from steel angles bolted back to back. Stainless steel angles standard with stainless steel curtain. Tubular bottom astragal optional.
Guides:	Fabricated from three (minimum 3/16") structural steel angles bolted together to form guide channel. Guide angles include curtain stops and flared guides. Optional hot dipped or cold sprayed galvanized guides. Mill finish stainless steel guides optional with stainless steel curtain.
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 assembly supported within barrel by precision ball bearings. Curtain weight counterbalanced by oil-tempered, helically wound torsion springs, grease packed and mounted to steel torsion shaft with cast spring plug. Optional high cycle springing available by specification.
Hood:	Fabricated from minimum 24 gauge galvanized steel sheet shaped to fit within the headplates. Intermediate hood support(s) furnished as required. Stainless steel hoods are available as an option with stainless steel curtain.
Locking:	Manual push-up doors furnished with interior slide bolt locks with padlock provision standard. Chain hoist operated doors furnished with chain hoist keeper suitable for padlocking.
Operation:	Manual push-up, chain hoist (standard) or motor operation. (Simple test feature not available on manual push-up doors.)
Releases:	165-degree fusible links provided (standard). Fail-safe time delay releases, smoke detectors, audible and visual warning devises (optional). Closing speed regulated by centrifugal or 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 gray, white, tan, brown & galvanized (unpainted) or powder coated (optional). Stainless steel curtains and hoods #4 finish. Guides and headplates shop painted black. Bottom bars to be painted medium black gloss black or galvanized.
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.