

Specification Sheet: Series 6000 Rolling Steel Service Door

Windload:	Designed to withstand specified windloads in order to reduce curtain deflection or prevent curtain/guide disengagement.
Curtain:	Interlocking curtain slats roll-formed from 24, 22, 20 or 18 gauge galvanized steel, 22 gauge stainless steel or .050" aluminum. Insulated curtain slats contain foamed in place urethane insulation in all but 18 gauge curtains which are EPS (polystyrene) or optional urethane insulation. All curtains with a 24 gauge 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. Choice of flat slats or curved slats for uninsulated curtains, flat slats for weatherstripped and insulated slats.
Bottom Bar:	Fabricated from two galvanized steel angles for non-windlock doors. Windlock doors use 2" x 2" x 1/8" steel angles, painted or optional galvanized, bolted back to back with adjustable tubular bottom astragal. Stainless steel angles with #4 finished provided on stainless steel curtains and clear anodized aluminum angles provided on aluminum curtains.
Guides:	Fabricated from three (minimum 3/16") structural steel angles bolted together to form guide channel. Guide angles include curtain stops and flared guides. Painted standard or optional hot dipped or cold sprayed galvanized. Mill finish stainless steel guides optional for stainless steel curtains. Mill finish aluminum angles (with steel wall angles) optional with aluminum curtains
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. Standard doors are designed for 25 cycles per day. Higher cycles designs available as an optional.
Hood:	Hoods fabricated from minimum 24 gauge material. Standard is galvanized steel sheet shaped to fit within the headplates. Intermediate hood support(s) furnished as required. Aluminum hoods for aluminum curtains and stainless steel hood for stainless steel curtains optional.
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. Optional bottom bar cylinder locking available.
Operation:	Manual push-up, chain hoist (standard) or motor operation.
Finish:	Curtain slats and hood are hot-dipped galvanized, per ASTM A653 A, with baked on epoxy primer and polyester finish coat available in gray, white, tan, brown or galvanized (unpainted) or optional powder coat. Stainless steel slats are #4 finish and aluminum slats are clear anodized. Guides and headplates painted medium gloss black. Bottom bars to be painted 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.