

ADA Standards for Accessible Design



This is just a partial listing of the way the ADA Law affects the Locks smithing industry.

4.1.7 (3)

- At least one door at each accessible entrance shall comply.
- Each door in accessible route shall comply.
- At least one door at each accessible space shall comply.

4.4.2 Headroom

Walks, halls, corridors, passageways, aisles or other circulation spaces shall have 80 (2030 mm) minimum clear headroom. Corner brackets for closer mounting door closers mounted on corner brackets will extend into the opening below the 80" minimum clearance. Replace the door closer with parallel arm or top jamb application.

4.13.2 An accessible gate or door shall be provided

Adjacent to a turnstile or revolving door.

4.13.3 Gates shall comply.

4.13.4 Active leaf or pairs of doors shall comply

4.13.5 Clear Width

Doorways shall have a minimum clear opening of 32 in (815 mm) with the door open 90 degrees, measured between the face of the door and the opposite stop. Openings more than 24 in (610 mm) in depth shall comply with 4.2.1 and 4.3.3.

Exception: Doors not requiring full user passage, such as shallow closets, may have the clear opening reduced to 20 in (510 mm) minimum.

4.13.8 Thresholds at Doorways.

Thresholds at doorways shall not exceed 3/4 in (19 mm) in height for exterior sliding doors or 1/2 in (13 mm) for other types of doors. Raised thresholds and floor level changes at accessible doorways shall be beveled with a slope no greater than 1:2

4.13.9 Door Hardware.

Handles, pulls, latches, locks, and other operating devices on accessible doors shall have a shape that is easy to grasp with one hand and does not require tight grasping, tight pinching, or twisting of the wrist to operate. Lever-operated mechanisms, push-type mechanisms, and U-shaped handles are acceptable designs. When sliding doors are fully open, operating hardware shall be exposed and usable from both sides. Hardware required for accessible door passage shall be mounted no higher than 48 in (1220 mm) above finished floor.

4.13.10 Door Closers.

If a door has a closer, then the sweep period of the closer shall be adjusted so that from an open position of 70 degrees, the door will take at least 3 seconds to move to a point 3 in (75 mm) from the latch, measured to the leading edge of the door.

4.13.11 Door Opening Force.

The maximum force for pushing or pulling open a door shall be as follows:

1. Fire doors shall have the minimum opening force allowable by the appropriate administrative authority.
2. Other doors.
 - (a) exterior hinged doors: (Reserved).
 - (b) interior hinged doors: 5 lbf (22.2 N)
 - (c) sliding or folding doors: 5 lbf (22.2 N)

These forces do not apply to the force required to retract latch bolts or disengage other devices that may hold the door in a closed position.

ANSI Door Closer Size	ANSI Maximum Closing Force (Lbs.)	Approximate Opening Resistance ibF
2	3	4.5
3	5	7.5
4	8	12
5	11	16.5
6	14	21