



To whom it may concern

The following outlines my professional opinion regarding the ADA compliance of the CL400 ADA Magnetic with Straight Pull and CL400 ADA Magnetic with Offset Pull manufactured by Cavity Sliders USA Inc.

Operation

In line with the 2010 ADA Standards for Accessible Design (“Standards”), Section 309.4 Operation, the CL400 ADA Magnetic has 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. When installed correctly on a sliding door that is fully open, the handle is exposed and usable from both sides.

CL400® ADA Magnetic



CL400® ADA Magnetic - Offset



Opening Force

The Standards, in Section 404.2.9.2, Door and Gate Opening Force, state that for a sliding door, the maximum force for pushing or pulling open a door should be less than 5lbf (22.2N). I can confirm that I measured both the opening force and the force required to lock a sample unit with a digital force gauge and it was comfortably under the 5lbf requirement.

Egress

In reviewing the operation of the hardware to engage it and open the door, it appears to be as easy as engaging and opening a door with lever hardware. It is also configured to prevent the catching of clothing of persons during egress in a way similar to that required by some state codes for lever-type hardware. It is actually better than lever hardware for egress safety in that it is a closed loop as opposed to lever hardware which is required to return within 1/2 inch of the door.

Other requirements

For openings compliant with the Standards, a minimum 32 inch clear dimension in an opening less than 24 inches deep is required. Door handle hardware must also be mounted at a height centered between 34 inches (minimum) and 48 inches (maximum) above the finished floor.

Yours Sincerely,

Arnie Lerner FAIA, CASp

Certified Access Specialist