

ANSI Standards



Current Standards for Stepstools:

ANSI-ASC A14.11-2018

The definitive design, performance and testing standard for all step stools and step ladders. It applies to stepstools that resemble conventional stepladders in their appearance as well as those that do not. According to this standard, a “stepstool” is defined as “a self-supporting portable climbing device, 36 inches or less in height.”

APPLICABLE TESTING:

ANSI required testing is outlined below.

Weight Rating (Compression Testing)

A step must be loaded to a target weight, and then held at that load. The step should maintain the load and not fail for a minimum of 60 seconds. The duty ratings are below:

Duty Rating	Type	Working Load	Test Load
Special Duty	Type IAA	375	1000
Extra Heavy Duty	Type IA	300	1000
Heavy Duty	Type I	250	900
Medium Duty	Type II	225	850
Light Duty	Type III	200	800

Safety Step stepstools have been tested beyond the loads stated above by applying a 4:1 safety factor as follows:

- 500 pound working load: 2000 Lbs. Test Load
- 750 pound working load: 3000 Lbs. Test Load
- 1000 pound working load: 4000 Lbs. Test Load

Our IC Series product satisfies the requirements of a 1000-lb working load as shown in item “c” above.

Stability Testing

A 200lb load is applied across the highest platform of the step. A horizontal force is applied ½” above the platform. In order to pass the testing all legs of the step must remain on the ground for any horizontal load less than 20 lbs of force.

Our IC Series product surpasses this requirement by remaining on the ground under a side-load of up to 45lbs of force.