

## Carabiner Testing per ANSI Z359.12:

Major Axis:

5,000 lbf

(22.2 kN)



Note: Arrows denote direction of force applied

Minor Axis: 3,600 lbf (16 kN)



Gate Face:

3,600 lbf

(16 kN)



Gate Side Load:

3,600 lbf

(16 kN)



Drop testing is also conducted (in the same loading orientation as the major axis testing). The carabiner is abraded 50,000 cycles on the ANSI outlined abrasion rod and then exposed to -31°F for 8 hrs minimum. The carabiner is then subjected to a freefall that would impart a force of 5,000 lbf min.

**\*Note:** The illustrations below depict what is required markings by ANSI Z359.12 for the gate in green and markings that have no relevance to ANSI are circled in red. The 9kn marking was added by the manufacturer referring to the strength of the housing with the barrel gate open. ANSI does not require this marking nor does it require a performance test to 9kn with the gate open. The 9kn marking has been removed on new approved carabiners going forward

Previous Carabiner:



Current Carabiner:

