

Codeable Padlock Testing Performance Summary

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Corrosion Resistance – Salt Spray Test: Hang padlock in a salt spray chamber.
Grade 6 = 240 hours in chamber, padlock still functional.

Shackle Strength – Cutting Test: Use two steel blades and apply force slowly along vertical centerline of padlock shackle.
Grade 5 = Withstands minimum of 6,975 ft.lbs. with padlock still secure

Impact Resistance – Shock Test: Secure the shackle and drop a weight onto the body of the padlock.
Grade 4 = 8.82 lb. weight dropped from 3.28 ft. five times without padlock coming apart.

Drill Resistance – Lock Plug Pull Test: Drill and insert screw into keyway of lock and try and pull lock out of padlock body.
Grade 4 = Withstands a minimum of 700 ft.lbs. with padlock still secure

Weather Resistance – Wet Freezing Environment Test: Spray padlock for 1 minute with water from 18", drain padlock for 2 minutes, place padlock in chamber until padlock reaches chamber temperature.
Grade 4 = 14 degrees F, padlock functions properly.



Testing Specification: ASTM F 883-04

This specification covers environmental, functional, operational, and security requirements for padlocks. Included are function descriptions, cycle tests, operational tests, environmental tests, forcing tests, and surreptitious entry tests.

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