

Testing Summary

130-0100 Door Hold Open

Cycle Test:

Minimal amount of wear was seen after 25,000 cycles and the examples were cycle tested up to 0.100" [2.54mm] vertical mis-alignment (to simulate door sag).

Water Infiltration Test:

Assembly remained watertight throughout duration of test, with a high-pressure water stream directed at the centerline of the assemblies at a flow rate of 13 gpm [49.21 liter/minute] for a length of ten (10) minutes.

Cold Impact (-40° F/-40° C) Test:

Examples were tested to determine the ultimate impact strength in a cold environment (-40° F/-40° C). The mean impact energy achieved by the assemblies was a substantial 354 in-lbs [40 N-m].

Impact Test (ambient Temperature):

Examples were tested to determine the ultimate impact strength at room temperature (70° F/ 21.1° C). The mean impact energy achieved by the assemblies was a tremendous 544.5 in-lbs [61.5 N-m].

Torque Test (Knob fastener):

Examples were tested for torque using the M6 fastener for assembly of the striker and receiver. Per the manufacturers recommendations proper seating torque of a thread forming PT fastener can be determined by multiplying the average failing torque by 65%. Therefore, all pertinent information will be documented as: Max. torque of mounting fastener to be 56 in-lbs [6.32 N-m]

Torque Test (Lock cap Mtg. fasteners):

Examples were tested for torque using the M5 fasteners for assembly of the Lock cap and the striker/receiver sub-assemblies. Per the manufacturers recommendations proper seating torque of a thread forming PT fastener can be determined by multiplying the average failing torque by 65%. Therefore, all pertinent information will be documented as: Max. torque of mounting fastener to be 30 in-lbs [3.39 N-m]

Tensile Load Test:

Examples were tested to determine the amount of force required to separate striker assembly from receiver assembly. The mean peak load achieved was 395.58 lbf [1760 N].

Note: Additional testing information is available upon request.



500 Bailey Avenue
P.O. Box 350
New Hampton, IA 50659
United States
Tel: +1 641-394-3188
Fax: +1 641-394-2392
1-800-447-0343
www.trimarkcorp.com

TriMark Europe
Cedar Court
Walker Road
Bardon Hill
Coalville LE67 1TU
United Kingdom
Tel: +44(0)1530 512460
Fax: +44(0)1530 512461
www.trimarkeu.com