

Product Performance Summary

050-0700 12mm Single Rotor Latch

Cycle Test:

The 050-0700 12mm Single Rotor Latch meets cycle goal of 50,000 cycles, when cycled with a 45 lb (200N) simulated door seal load.

Release efforts at both inside and outside release locations were consistent throughout cycle life and remained < 8 lbf (35N)

(Striker bolt load may vary depending on application, which may vary life of latch)

Tensile Load Test (Non-regulated Product):

Latch meets load requirements of SAE J839 in transverse and longitudinal orientations, in both primary and secondary positions, when paired with approved TriMark Striker Bolts in accordance with SAE J839.

The SAE J839 strength requirements are listed below:

Transverse Primary 9000 N (2023 lbf) Secondary 4500 N (1112 lbf)

Longitudinal Primary 11000 N (2473 lbf) Secondary 4500 N (1112 lbf)

(Latch must be used with a TriMark approved striker bolt - reference 070-0400 12mm Diameter Striker Bolt)

NOTE:

The Product performance values shown are intended to be applied as a general guideline only, as specific applications and installation may affect the results. It is recommended that the Customer request a sample and conduct their own testing to determine the suitability of the Product for the intended purpose and specific application. Strength data is given as maximum loads at which the product is operable, however no safety factor has been applied.

Additional Testing information is available upon request.



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