

050-0403 Floating Striker Two Position Latch



This single rotor latch is a sub-platform to the TriMark proven 050-0400 series latch and is designed for medium to heavy-duty applications for on or off-highway compartments and access panels. It features an internal trip mechanism for applications where it is desirable to have the release mechanism in-line with the latch and a two position latch.

DESIGNED FOR:

- Medium to heavyweight doors for off-highway applications requiring resistance to vibration
- Door thicknesses of 1-7/8" (47.6mm) or greater
- Door weights of 50-200 lbs. (23-91 kg)
- Door seal pressures of up to 150 lbs. (< 50 lbs. suggested for best results)(23-68 kg)
- Visible surface installation or concealed inside installation
- Applications where it is desirable to have a two position rotary latch
- Applications where it is desirable to have the release mechanism in-line with the latch

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FEATURES/BENEFITS:

- Allows for $\pm .143$ " (3.63mm) strike travel from $.789$ " (19.91mm) locating dimension
- Ideal for applications with high vibration loading and where controlled travel between the latch and strike is characteristic of the application
- Two position rotary style latching action

FINISH:

- Zinc plated, clear chromate steel components

MATERIAL:

- Internal latch components: heat treated, smooth edge stamped steel
- Case halves: high strength steel
- Springs: non-corrosive stainless steel

AVAILABLE:

- In left or right hand configurations (right hand shown)
- With (4) 1/4-20 UNC, M6 X 1 threaded axles or $.286$ " thru axles
- With trip lever options

INSTALLATION:

- (4) 1/4-20 UNC grade 5 or M6 x 1 class 8.8-type fasteners are required (not included).
- Tighten to the fastener manufacturers' recommended torque value, however, do not exceed 120 in-lbs. (13 N-m)
- Fastener mounting holes diameter should not exceed $.281$ " (7.1mm)

INTERNAL LUBRICATION:

- Oven-cured dry lubricant is applied at factory on all critical moving parts

Individual part dimensions are for reference only. Refer to individual part drawings for complete dimensions, specifications, and installation procedures. Engineering assistance and application drawings are available.

CAUTION: Applications of this latch may fall within the requirements of FMVSS 206 (ECE R11) and SAE J839 safety standards. These safety related requirements are dependent on door application, e.g. front and rear hinged doors, sliding doors, or hinged upward swinging doors. The entire door hardware system must be included in the design/analysis process: latch, handle, lock mechanism, cables/rods/linkages, fasteners, hinges, etc. This ensures compatibility of all components within the hardware system. If FMVSS 206 (ECE R11) is a requirement, then all of the components within the door system must comply with strength, inertia and locking requirements as specified within the Standard. Note that this product complies with FMVSS 206 (ECE R11) when tested with approved TriMark Striker Bolts in accordance with SAE J839 and that this product meets FMVSS 206 (ECE R11) load requirements and may be used in FMVSS 206 (ECE R11) applications pending TriMark application approval.

For more information visit
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