

# 050-0110 Two Rotor Single Position Latch



This two rotor latch is a sub-platform to the TriMark proven 050-0100 series latch and is designed for medium to heavy-duty applications for on or off highway compartments and access panels.

### **DESIGNED FOR:**

- Applications where it is desirable to have a single position rotary latch
- Door thicknesses of 1-7/8" or greater (47.6mm)
- Door weights of 50-200 lbs. (23-91 kg)
- Door seal pressures of 50-150 lbs. (23-68 kg) (suggested for best results)
- Use with 5/8 or .625" Striker Bolt (customer provides)

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### AVAILABLE:

- In left or right hand configurations (right hand shown)
- With (4) 1/4-20 UNC, M6 X 1 threaded axles or .286" (7.3mm) diameter "thru" axles
- With trip lever options (please inquire)
- Straddle mount option

### FINISH/MATERIAL:

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

### INSTALLATION:

- (4) 1/4-20 UNC grade 5 or M6 X 1 class 8.8 or better fasteners are required (not included).
- Tighten to the fastener manufacturers' recommended torque value, however, do not exceed 120 in-lbs (13.3 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

### STRIKER INSTALLATION

- Install striker bolt in door frame
- Close door carefully and check for interference between head of striker bolt and latch components
- Add or remove shims under striker bolt washer as required (outside diameter of shim should be larger than outside diameter of striker bolt washer)
- Adjust striker bolt vertically so door is not guided upward or downward while being closed
- CHECK TO DETERMINE THAT BOTH SECONDARY AND PRIMARY LATCHING POSITIONS ARE USABLE
- Door should be latched but not "closed" in secondary position with respect to adjacent surfaces in primary position
- If both primary and secondary positions are not evident, readjust striker bolt
- After installation, check door alignment and door seal pressures

**CAUTION:** Single position rotary latches do not comply with FMVSS 206 (ECE R11) requirements.

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.

