ROTARY LATCHES AND STRIKERS

No. 1-400-R

Right-hand shown.

Has two holes in actuator arm for attaching remote latching points.

NOTE: Rotary Latch is available with 1/4" x 20 UNC threaded inserts. Specify when ordering (i.e. IT-400 R).

No. 400-R & L Rotary Latch

These are two-stage latches, with both primary and secondary latching capabilities with one remote attaching point.

Meets FMVSS 206 Standards for personnel restraint applications. To comply with the FMVSS 206 Standards, the appropriate latch must be used in conjunction with Eberhard striker assembly No. 2T-400-52 and a certified FMVSS door system.

Multipoint systems are available.

Finish: Zinc-plated with black coated pawls for improved lubricity and corrosion resistance.

No. 3-400 R & L Rotary Latch

Same as 1-400 except lever arm has only one .264 dia hole.

No. 450-R

No. 450-R & L Series rotary latches offer actuator position located below the striker entry level. This latch is ideally suited for those installations where No. 400 series rotaries cannot be used due to lever arm actuator position.

Meets FMVSS 206 Standards for personnel restraint. To comply, the appropriate latch must be used in conjunction with Eberhard striker assembly, No. 2T-400-52, and .312 dia. grade 8 bolts for installation. Latch pawls have an Everlube finish for corrosion protection and lubricity; the outside housing is zinc-plated.

Weight: .57 lbs. (Left-hand shown.)

Options: The 450 rotary latch series is available with 1/4" x 20 UNC threaded inserts. Specify when ordering (No. T-450-R).
ROTARY LATCHES AND STRIKERS

050-0100 Two-Rotor Latch

This versatile 2-rotor latch is designed for medium to heavy-duty applications for on or off highway entrance doors, compartments and access panels. It features a variety of trip levers and mounting axles for ease of mounting and applications and is FMVSS 206 compliant.

**Designed For:**
- Medium to heavy weight doors for on or off-highway applications
- Door thicknesses of 1-7/8” (47.6mm) or greater
- Door weights of 50-200 lbs. (23-91 kg)
- Door seal pressures of 50-150 lbs. (23-68 kg) (suggested for best results)

| battalion |
| --- | --- |
| .238 | 6.05 |
| .265 | 6.73 |
| .281 | 7.14 |

**Available:**
- In left or right hand configurations (right hand shown)
- With (4) 1/4-20 UNC or M6 X 1 threaded axles
- With trip lever options
- Straddle mount option

**Material:**
- Internal latch components: Heat treaded, smooth edge stamped steel
- Case halves: High strength steel
- Springs: Non-corrosive stainless steel

**Finish:**
- Zinc plated, clear chromate steel components

**Installation:**
- Four 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

There are several styles and options to choose from. Please call 330-762-8836 for details.
Rotary Latches and Strikers

No. 1-475-R\&L
Low profile rotary latch

Dual stage low profile rotary latch designed for thinner door applications. Rotary latch complies with *FMVSS 206 strength requirements. Additional features include Everlube finish on internal latch pawls for corrosion protection and added lubricity; a zinc with yellow dichromate finish on outer housing. The lever arm can be remotely linked to an operating handle with rod or cable (adaptors see No. 16619-15PK) for multipoint systems. Recommended striker (No. 475-52U).

* Three Grade 8 1/4-20 mounting bolts required to meet FMVSS 206 strength requirements in conjunction with Eberhard 475-52U striker and a certified FMVSS door system.

No. 1T-475-R\&L
Threaded mounting holes.

No. 2T-475-R\&L
Same as 1T-475-R\&L except lever arm is offset.

No. 3T-475-R\&L
Threaded mounting holes and 2.4" extended lever arm.

No. 5T-475-MR\&L
Same as 2T-475-R\&L except M6 x 1.0 threaded mounting holes.

No. 5T-475-50MR\&L
M6 x 1.0 threaded mounting holes, antirattle wave washer, and .27" lever arm.

No. 6-475-R\&L
Same as 1-475-R\&L except with antirattle wave washer.

No. 6T-475-R\&L
Same as above except with 1/4-20 threads.

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<td>.29/.28 DIA.</td>
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<td>AL-400-28</td>
<td>ALUMINUM, PLAIN</td>
<td>.29/.28 DIA.</td>
<td></td>
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</table>
**Rotary Latches and Strikers**

**050-0200 Slimline Rotary Latch**

This compact single rotor latch is designed for light to medium applications for on or off-highway entrance doors, compartments and access panels. It features a variety of trip levers and mounting axles for ease of mounting and application and is FMVSS 206 compliant.

**Designed for:**
- Thinner, light or medium weight door applications
- Door weights up to 75 lbs. (34 kg)
- Door seal pressures of 20-25 lbs. (9-11 kg) recommended for best results (not to exceed 50 lbs. [23 kg])
- Visible surface installation or concealed installation

**Available:**
- Left or right hand configurations (left hand shown)
- With standard .265 diameter "thru" axles as shown or 1/4-20 UNC threaded axles (optional) or M6 x 1.0 threaded axles

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

**Finish:**
- Zinc plated, clear chromate steel components

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<th>Part No.</th>
<th>Hand</th>
<th>Mounting</th>
<th>Actuation</th>
<th>Actuation Feature</th>
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<td>Conventional 2-Point, Non-Handed, v02 - 1.25, Stop</td>
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<td>RH</td>
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<td>19353-01</td>
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<td>Conventional 2-Point, Non-Handed, Version 01 - 1.25, 0.625 x 1.083, Stop</td>
<td>No Actuation Feature</td>
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<td>14047-01</td>
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<td>24006-01</td>
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<td>19855-01</td>
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<td>Conventional L-Shaped, RH Lever, Version 02 - 0.715 x 1.151 X 0.161 Offset</td>
<td>Wave Washer</td>
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<tr>
<td>19007-01</td>
<td>RH</td>
<td>1/4-20 UNC Threaded Axles</td>
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<td>No Actuation Feature</td>
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<td>RH</td>
<td>0.265 (6.7 mm) Diameter Through Axles</td>
<td>Conventional 2-Point, Non-Handed, v02 - 1.25, Stop</td>
<td>No Actuation Feature</td>
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<td>11685-16</td>
<td>RH</td>
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<td>Conventional 2-Point, Non-Handed, Version 01 - 1.25, 0.625 x 1.083, Stop</td>
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<td>14230-01</td>
<td>RH</td>
<td>0.265 (6.7 mm) Diameter Through Axles</td>
<td>Conventional 2-Point, Non-Handed, Version 01 - 1.25, 0.625 x 1.083, Stop</td>
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<tr>
<td>13746-01</td>
<td>RH</td>
<td>0.265 (6.7 mm) Diameter Through Axles</td>
<td>Conventional 2-Point, RH Lever, v01 - 1.25, 0.625 x 1.083 x 0.440 Offset</td>
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<td>14230-02</td>
<td>RH</td>
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<td>Conventional 2-Point, RH Lever, v01 - 1.25, 0.625 x 1.083 x 0.440 Offset</td>
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<tr>
<td>24907-01</td>
<td>RH</td>
<td>M6 x 1.0 Threaded Axles</td>
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<td>19276-01</td>
<td>RH</td>
<td>M6 x 1.0 Threaded Axles</td>
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<tr>
<td>24624-01</td>
<td>RH</td>
<td>M6 x 1.0 Threaded Axles</td>
<td>Conventional 2-Point, RH Lever, v01 - 1.25, 0.625 x 1.083 x 0.440 Offset</td>
<td>No Actuation Feature</td>
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<tr>
<td>11788-01</td>
<td>LH</td>
<td>1/4-20 UNC Threaded Axles</td>
<td>Conventional 2-Point, Non-Handed, v01 - 1.25, Stop</td>
<td>No Actuation Feature</td>
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<tr>
<td>11788-16</td>
<td>LH</td>
<td>1/4-20 UNC Threaded Axles</td>
<td>Conventional 2-Point, Non-Handed, v02 - 1.25, Stop</td>
<td>No Actuation Feature</td>
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<tr>
<td>11657-16</td>
<td>LH</td>
<td>1/4-20 UNC Threaded Axles</td>
<td>Conventional 2-Point, Non-Handed, Version 01 - 1.25, 0.625 x 1.083, Stop</td>
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<tr>
<td>19352-01</td>
<td>LH</td>
<td>1/4-20 UNC Threaded Axles</td>
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<td>14048-01</td>
<td>LH</td>
<td>1/4-20 UNC Threaded Axles</td>
<td>Conventional 2-Point, LH Lever, Version 01 - 1.25, 0.625 x 1.083 x 0.440 Offset</td>
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<td>24007-01</td>
<td>LH</td>
<td>1/4-20 UNC Threaded Axles</td>
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<td>No Actuation Feature</td>
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<tr>
<td>14265-01</td>
<td>LH</td>
<td>1/4-20 UNC Threaded Axles</td>
<td>Conventional L-Shaped, LH Lever, v01 - 1.940 x 0.678 x 0.165 Offset, Stop</td>
<td>Wave Washer</td>
</tr>
<tr>
<td>11980-16</td>
<td>RH</td>
<td>0.265 (6.7 mm) Diameter Through Axles</td>
<td>Conventional Straight, Non-Handed, v02 - 1.25, Stop</td>
<td>No Actuation Feature</td>
</tr>
<tr>
<td>14435-01</td>
<td>LH</td>
<td>0.265 (6.7 mm) Diameter Through Axles</td>
<td>Conventional Straight, LH Lever, Version 01 - 1.100 X 0.193 Offset, Stop</td>
<td>Wave Washer</td>
</tr>
<tr>
<td>11664-16</td>
<td>LH</td>
<td>0.265 (6.7 mm) Diameter Through Axles</td>
<td>Conventional 2-Point, Non-Handed, Version 01 - 1.25, 0.625 x 1.083, Stop</td>
<td>No Actuation Feature</td>
</tr>
<tr>
<td>14239-01</td>
<td>LH</td>
<td>0.265 (6.7 mm) Diameter Through Axles</td>
<td>Conventional 2-Point, Non-Handed, Version 01 - 1.25, 0.625 x 1.083, Stop</td>
<td>Wave Washer</td>
</tr>
<tr>
<td>15444-01</td>
<td>RH</td>
<td>0.265 (6.7 mm) Diameter Through Axles</td>
<td>Conventional 2-Point, LH Lever, Version 01 - 1.25, 0.625 x 1.083 x 0.440 Offset</td>
<td>No Actuation Feature</td>
</tr>
<tr>
<td>14229-02</td>
<td>RH</td>
<td>0.265 (6.7 mm) Diameter Through Axles</td>
<td>Conventional 2-Point, LH Lever, Version 01 - 1.25, 0.625 x 1.083 x 0.440 Offset</td>
<td>Wave Washer</td>
</tr>
<tr>
<td>15659-01</td>
<td>LH</td>
<td>0.265 (6.7 mm) Diameter Through Axles</td>
<td>Conventional L-Shaped, LH Lever, v02 - 0.625 x 1.000 X 0.300 Offset, Stop</td>
<td>No Actuation Feature</td>
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<tr>
<td>24908-01</td>
<td>LH</td>
<td>M6 x 1.0 Threaded Axles</td>
<td>Conventional Straight, Non-Handed, v02 - 1.25, Stop</td>
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<tr>
<td>19275-01</td>
<td>LH</td>
<td>M6 x 1.0 Threaded Axles</td>
<td>Conventional 2-Point, Non-Handed, v01 - 1.25, 0.625 x 1.083, Stop</td>
<td>No Actuation Feature</td>
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<tr>
<td>24623-01</td>
<td>LH</td>
<td>M6 x 1.0 Threaded Axles</td>
<td>Conventional 2-Point, LH Lever, Version 01 - 1.25, 0.625 x 1.083 x 0.440 Offset</td>
<td>Wave Washer</td>
</tr>
</tbody>
</table>

**Available:**
- Right or left hand configurations (left hand shown)
- With standard .265 diameter "thru" axles as shown or 1/4-20 UNC threaded axles (optional) or M6 x 1.0 threaded axles

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

**Finish:**
- Zinc plated, clear chromate steel components
**ROTARY LATCHES AND STRIKERS**

**050-0170 Two-Rotor Latch With Bellcrank**

**Designed For:**
- Off-highway applications
- Door thicknesses of 1-7/8” (47.6mm) or greater
- Door weights of 50-200 lbs. (23-91 kg)
- Door seal pressures of 50-150 lbs. (23-68 kg) (suggested for best results)
- Applications where push button handle actuation is desired

**Available:**
- In left or right hand configurations (left hand shown)
- With (4) 1/4-20 UNC or M6 X 1 threaded axles
- With inside release lever options and trip lever options

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

**Finish:**
- Zinc plated, clear chromate steel components

**Installation:**
- Four 1/4-20 UNC grade 5 or M6 X 1 class 8.8 mounting fasteners (not included). Tighten to the fastener manufacturers’ recommended torque value, however, do not exceed 120 in-lbs (13.3 N-m)
- Maximum .281 (7.1mm) diameter mounting holes

**CAUTION:** Linkage does not comply with locking requirements of FMVSS 206.

Latch complies with FMVSS 206 in primary and secondary latching positions when tested with approved striker bolts in accordance with SAE J839.

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<th>Inside Release Lever</th>
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<td>1/4-20 UNC</td>
<td>Push, 2.83” Long</td>
<td>Bellcrank Handle, 5.83 Long, Used with Knob</td>
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<td>17313-01</td>
<td>RH</td>
<td>1/4-20 UNC</td>
<td>Remote, Trip Lever, 1.32” X .19” Long</td>
<td>RH, Bellcrank Handle, 3.07 Long</td>
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<td>11472-16</td>
<td>RH</td>
<td>1/4-20 UNC</td>
<td>Push, 3.25” Long</td>
<td>RH, Remote, Straight, 3.13” Long</td>
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<td>13756-01</td>
<td>RH</td>
<td>1/4-20 UNC</td>
<td>Push, 3.25” Long</td>
<td>RH, Handle, 90 Deg, 3.54” X 4.63” X 14 Deg Angle, Used with Knob</td>
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<tr>
<td>11961-16</td>
<td>RH</td>
<td>1/4-20 UNC</td>
<td>Push, 3.25” Long</td>
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<tr>
<td>12610-01</td>
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<td>RH, Bellcrank Handle, 2.81” Long</td>
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<td>13887-01</td>
<td>RH</td>
<td>M6 X 1.0</td>
<td>Push, 3.70” Long</td>
<td>RH, Bellcrank Handle, 3.90 Long, Used with Knob</td>
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<td>12707-01</td>
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<td>1/4-20 UNC</td>
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<td>Push, 3.55” Long</td>
<td>LH, Handle, 4.45” Long</td>
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<td>M6 X 1.0</td>
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<td>LH, Spoon Type, 3.15” Long</td>
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<td>M6 X 1.0</td>
<td>Push, Center, Plastic Flipper</td>
<td>LH, Finger Release, 1.77” Long</td>
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</tbody>
</table>

**Designed For:**
- Off-highway applications
- Door thicknesses of 1-7/8” (47.6mm) or greater
- Door weights of 50-200 lbs. (23-91 kg)
- Door seal pressures of 50-150 lbs. (23-68 kg) (suggested for best results)
- Applications where push button handle actuation is desired

**Available:**
- In left or right hand configurations (left hand shown)
- With (4) 1/4-20 UNC or M6 X 1 threaded axles
- With inside release lever options and trip lever options

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

**Finish:**
- Zinc plated, clear chromate steel components

**Installation:**
- Four 1/4-20 UNC grade 5 or M6 X 1 class 8.8 mounting fasteners (not included). Tighten to the fastener manufacturers’ recommended torque value, however, do not exceed 120 in-lbs (13.3 N-m)
- Maximum .281 (7.1mm) diameter mounting holes

**CAUTION:** Linkage does not comply with locking requirements of FMVSS 206.

Latch complies with FMVSS 206 in primary and secondary latching positions when tested with approved striker bolts in accordance with SAE J839.
ROTARY LATCHES AND STRIKERS

3400 SERIES ROTARY LATCHES

Safety Rotary Latches Ensure Positive Slam Latching

The 3400 series Rotary Latches offer two stage latching (primary and secondary safety positions). To Meet FMVSS #206 specifications mount with Grade 8 fastener through the rivet holes. The 3400 series Rotary Latches will exceed the FMVSS #206 load requirements when used with an approved Cleveland Striker Pin Assembly, such as P/N 3400-15 or P/N 3400-16.

Option codes for ordering:

T = Threaded Mounting Holes
S = Spring Latch

Example:

1-3400-TS RH
1-3400 Rotary Right Hand with threaded mounting holes and optional return spring on lever arm.

Our most popular Rotary Latch
P/N 1-3400 Features two holes in the actuator levers for easy accommodation of remote attachments.

For threaded mounting holes in place of the standard mounting hole rivets specify P/N 1-3400-T (Threaded 1/4-20)
050-0150 Two-Rotor Latch & Release Linkage

**DESIGNED FOR:**
- Off-highway applications
- Door thicknesses of 1-7/8" or greater
- Door weights of 50-200 lbs.
- Door seal pressures of 50-150 lbs. (suggested for best results)

**AVAILABLE:**
- In left or right hand configurations (right hand shown)
- With drive bar receiver parallel to striker bolt or rotated in 15° increments (as illustrated)

**INSTALLATION:**
- Four 1/4-20 UNC grade 5 mounting fasteners (not included).
- Tighten to the fastener manufacturers’ recommended torque value, however, do not exceed 120 in-lbs
- Maximum .312 (7.9mm) diameter mounting holes

**CAUTION:** Linkage does not comply with locking requirements of FMVSS 206.

**LATCH & 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 and latched to anticipated “closed” position with respect to adjacent surfaces in primary position
- If both primary and secondary positions are not evident re-adjust striker bolt
- After installation, check door alignment and door seal pressures

Latch complies with FMVSS 206 in primary and secondary latching positions when tested with approved striker bolts in accordance with SAE J839.

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>11443-16</td>
<td>Two-Rotor Latch and Release Linkage, Right Hand, 1/4-20 UNC, .0 Drive Orientation, 2.00 Bracket</td>
</tr>
<tr>
<td>11462-16</td>
<td>Two-Rotor Latch and Release Linkage, Right Hand, 1/4-20 UNC, 0 Drive Orientation, .775 Bracket</td>
</tr>
<tr>
<td>11459-16</td>
<td>Two-Rotor Latch and Release Linkage, Right Hand, 1/4-20 UNC, 0 Degree, 2.000 Bracket With Remote Release .688</td>
</tr>
<tr>
<td>11441-16</td>
<td>Two-Rotor Latch and Release Linkage, Right Hand, 1/4-20 UNC, 15 Drive Orientation, 2.00 Bracket</td>
</tr>
<tr>
<td>11442-16</td>
<td>Two-Rotor Latch and Release Linkage, Left Hand, 1/4-20 UNC, 0 Drive Orientation, 2.00 Bracket</td>
</tr>
<tr>
<td>11463-16</td>
<td>Two-Rotor Latch and Release Linkage, Left Hand, 1/4-20 UNC, 0 Drive Orientation, .775 Bracket</td>
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<tr>
<td>11749-16</td>
<td>Two-Rotor Latch and Release Linkage, Left Hand, 1/4-20 UNC, 0 Drive Orientation, 2.00 Bracket With Remote Release .688</td>
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<tr>
<td>11440-16</td>
<td>Two-Rotor Latch and Release Linkage, Left Hand, 1/4-20 UNC, 15 Drive Orientation, 2.00 Bracket</td>
</tr>
</tbody>
</table>
050-0850 Heavy Duty Latch Module

This heavy duty latch module is designed for medium to heavy-duty armored vehicle entrance and rear door applications. It features a proven single rotor latch design and high strength 8 gauge (4.2mm) front mounting plate with flange mounting.

- Medium to heavy duty doors greater than 200 lbs. (91kg) with door seal pressures of 50-150 lbs. (23-60 kg)

**FEATURES/BENEFITS:**
- Heavy duty modular construction — survives in punishing environments
- Can be used on retrofit or new surface mount vehicle construction
- Available heavy duty latch/striker with self-aligning “slam cam” provides rotor/cam assist to heavy doors, hinges and compensates for door sag

**AVAILABLE:**
- Right or left hand configurations (right hand shown)
- Striker with self-aligning “slam cam”
- Replaceable striker alignment lift blocks
- Custom configured release levers

**MATERIAL:**
- Case halves are high strength steel
- Springs are non-corrosive stainless steel

**FINISH:**
- Zinc plated, clear chromate steel components

**INSTALLATION:**
- Four M8 X 1.25 class 8.8 or better fasteners are recommended (not included)
- Tighten to the manufacturers’ recommended torque value

Latch and linkage complies with FMVSS206 when tested.

---

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>23311-01</td>
<td>Heavy Duty Latch Module, Right Hand, M8 Exterior Flange Mounting, Double Trip Actuation</td>
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<tr>
<td>25034-01</td>
<td>Heavy Duty Latch Module, Right Hand, M8 Exterior Flange Mounting (4), Single Trip 25020-01</td>
</tr>
<tr>
<td>23312-01</td>
<td>Heavy Duty Latch Module, Left Hand, M8 Exterior Flange Mounting, Double Trip Actuation</td>
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<tr>
<td>25035-01</td>
<td>Heavy Duty Latch Module, Left Hand, M8 Exterior Flange Mounting (4), Single Trip 25020-01</td>
</tr>
</tbody>
</table>
ROTARY LATCHES AND STRIKERS

**No. 1-300-R&L**
This dual stage latch is intended for use on compartment and other doors or on any other enclosure that would benefit from positive latching. Its compactness and simplicity allow it to be used in many applications where economy of space is desirable.

When the door is closed, the gripping member of the latch captures the shank of the striker pin. The design permits easy trip-release action, positive gripping and smooth opening and closing. Both primary and secondary latching capabilities are inherent in the design.

Heat-treated latch members and a stainless steel spring increase durability.
Black coated pawls are provided for corrosion resistance and smooth function.


**No. 2-300-P5**
Lever Arm Return Spring Kit. Has heavy (29.3 lb./in.) spring.

**No. 3-300-P5**
Lever Arm Return Spring Kit. Has light (2.7 lb./in.) spring.

**No. 16-300-R**
Uniquely designed rotary latch satisfies a wide variety of application requirements. Ideal to fit tubular constructed bulk handling containers. Trip lever designed for ease of activation when needed.

Finish: Zinc-plated
Weight: .66 lbs.

**Actuator Options**

**No. 1-300-R**

**No. 6-300-R&L**

**No. 9-300-R&L**

**No. 18-300-R&L**
Plastisol Handle
ROTARY LATCHES AND STRIKERS

'CLAW' LATCHES

SIDE-MOUNT

Extremely versatile units which sit within a compartment and slam against a striker peg to provide a very positive engagement. They release by pressure against top trigger or by remote cable. Used for top-opening hatches and covers where latch is concealed below edge of door or base unit.

Slam-action against pin or loop striker plate. Both ‘hands’ available as illustrated.

Claw engages with striker and is released by pressure on top trigger or can be operated remotely via cable to hole in trigger plate.

Plant-on fixing through elongated holes in side flanges.

Zinc-plated latch and strikers.

Use with camlocks or handle with appropriate latch bar. ‘Turnbutton’ lock 9/01875 can release either directly or by remote cable.

Anti-burst properties

When rig-tested these latches can achieve values in excess of 6.0KN transverse load (direct pull). However they must not be used for passenger restraint doors.

SPECIFICATION

| A. Length | 100mm |
| B. Height | 50mm |
| C. Width | 19mm |
| D. Location | 21mm |
| E. Hole Centres | 82mm |
| F. Location | 30mm |
| G. Hole Size (diameter) | 3mm |
| H. Hole Sizes | 7 x 9mm |

Maximum force on trigger to release: 2.5kg

An alternative striker, 9/01246, has K=23mm.

Striker pins are staked and brazed, hardened and plated.

‘CLAW’ LATCHES

TOP-MOUNT

Ideal for top-opening compartments, these latches can be mounted on lid or base without danger of injury from sharp edges, while striker can be placed below opening line. Latches can be operated by direct pressure on top ‘trigger’ or by remote action. Also suit sliding doors and roller shutters.

Plant-on fixing through elongated holes in top flanges.

Zinc-plated latch and strikers. Moulded ‘buffer’ in black pvc.

SPECIFICATION

| A. Length | 100mm |
| B. Height | 50mm |
| C. Width | 19mm |
| D. Location | 21mm |
| E. Hole Centres | 82mm |
| F. Location | 30mm |
| G. Hole Size (diameter) | 3mm |
| H. Hole Sizes | 7 x 9mm |

Maximum force on trigger to release: 2.5kg

An alternative striker, 9/01246, has K=23mm.

Striker pins are staked and brazed, hardened and plated.
ROTARY LATCHES AND STRIKERS

3400 SERIES ROTARY LATCHES
JUNIOR ROTARY LATCHES

7-3400 RH, Rotary Latch
Single vertical actuator lever used where limited space does not allow for a horizontal actuator lever.

JR-176-R, Junior Rotary Latch
Single stage rotary position with symmetry of mounting around striker distributes load for overall added strength. Three 1/4” - 20 tapped mounting holes for flexible mounting options and a maximum load of 800 lbs. Designed for use with 3/8” striker bolt.

1-JR-176 RH, Junior Rotary Latch with 90° Trip Arm
**ROTARY LATCHES AND STRIKERS**

**No. 240-R&L**
The Mini Rotary™ Latch from Eberhard gives you the benefits of either two-stage or single-stage rotary action for even the most confined areas. It is ideal for small hoods, lids, doors and panels, and has a maximum rated load strength of 750 lbs. The Mini Rotary Latch is available in three different models, which can be unlocked in any of three different directions to meet a wide range of applications. The latch’s low-profile design and light weight allow it to be easily mounted using two 1/4” bolts. Optional mounting brackets are available for added flexibility (No. 16592).

**241 Series** is same as the 240 Series except with single-stage action.

**No. 240-R**
Patented

**No. 8-240-R&L**
A Mini Rotary is ideal for small applications. Available in a standard finish of zinc-plated or stainless steel (No. 8-240-SSR&L) both with Everlube latch pawls. Available in single stage (No. 8-241) can be used with .38” dia. striker (No. 240-52U).

Note: 241 Series same as 240 except single stage.

---

**No. 1-240-R&L**
is the same as Part No. 240 R/L except for different lever arm. Available in single stage (No. 1-241), stainless steel housing (No. 1-240-SSR&L/241-SSR&L), or carbon steel zinc-plated which is standard.

**No. 11-240-R&L**
Dual stage Mini Rotary is designed with a lever arm for two different remote actuation points. Standard finish is a zinc-plated housing with Everlube latch pawls. Available in single-stage (No. 11-241-R&L). Can be used with a mounting bracket (No. 16592) or a .38” dia. striker (No. 240-52U).

**No. 12-240-SSR&L**
Entire rotary is made out of 300 Series stainless steel and has a release lever that measures 4.30”.

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www.industrialhwe.com
ROTARY LATCHES AND STRIKERS

No. 18X-240-BR
Dual stage Mini Rotary with riveted rod adapters designed for 3/32" dia. cable. Max. load rating is 750 lbs. when mounting through the latch body with (2) 1/4-20 grade 8 fasteners.

No. 7X-241-AR
Single-stage Mini Rotary was designed with non-threaded spaces and a lighter torsion spring. Rotary comes with a lever arm that is horizontal to the rotary. Zinc-plated finish on the housing; Everlube finish on internal components, and can be used with a .38" dia. striker (No. 240-52U). Rotary can be mounted using two 1/4-20 grade eight bolts or mounting bracket (No. 16592-R&L).

No. 19B-231-R&L
This Mini Rotary has an adapter riveted to the lever arm to be used with .25" dia. rods. The “A” style is mounted above the arm. “B” style is mounted below the arm. Comes with a zinc yellow chromate finish on the housing, and all internal components have an Everlube finish. This dual-stage rotary features an integral offset mounting bracket with slotted holes designed for 3/8" dia. striker such as Eberhard No. 240-52U.
**ROTARY LATCHES AND STRIKERS**

**No. 17-231-UR&L**
Same as Part No. 17A/B-230-B R/L except it is a single-stage rotary and the adapter is shipped loose. Designed to be used with .156" dia. rods or cable.

**No. 18X-231-AR&L**
This single-stage Mini Rotary has an adapter riveted onto the lever arm horizontally for use with .094" dia. cable. This rotary features an integral mounting bracket that has slotted holes for mounting. E-coat finish on the housing and Everlube finish on internal components. Can be used with .38" dia. striker (Part No. 240-52U).

Note: 230 Series same as 231 Series except dual stage and mounting bracket.

**No. 17-231-UR**

**No. 18X-231-AR**

**No. 3-240-53U**

<table>
<thead>
<tr>
<th>ASSEMBLY P/N</th>
<th>MFG. PLATE</th>
<th>MATERIAL</th>
<th>HOLES</th>
</tr>
</thead>
<tbody>
<tr>
<td>3-240-53U</td>
<td>AL-240-28</td>
<td>ZINC-PLATED</td>
<td>5/16-18 UNC-2B</td>
</tr>
<tr>
<td></td>
<td>AL-400-28</td>
<td>ALUMINUM PLATED</td>
<td>5/16-18 UNC-2B</td>
</tr>
<tr>
<td>2-240-53U</td>
<td>AL-240-28</td>
<td>ALUMINUM PLATED</td>
<td>5/16-18 UNC-2B</td>
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<tr>
<td>3-240-53U</td>
<td>3-240-28</td>
<td>CARBON STEEL</td>
<td>5/16-18 UNC-2B</td>
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<tr>
<td>3-240-53U</td>
<td>3-240-28</td>
<td>CARBON STEEL</td>
<td>5/16-18 UNC-2B</td>
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<tr>
<td>AL-240-53U</td>
<td>AL-240-28</td>
<td>ALUMINUM PLATED</td>
<td>5/16-18 UNC-2B</td>
</tr>
<tr>
<td>AL-240-53U</td>
<td>AL-240-28</td>
<td>ALUMINUM PLATED</td>
<td>5/16-18 UNC-2B</td>
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<tr>
<td>AL-240-53U</td>
<td>AL-240-28</td>
<td>ALUMINUM PLATED</td>
<td>5/16-18 UNC-2B</td>
</tr>
</tbody>
</table>

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**ROTARY LATCHES AND STRIKERS**

**No. 8C-140-R&L**
The Micro Rotary Latch is ideal for small doors, panels and lids. The housing is zinc-plated and the pawls have an Everlube finish for corrosion protection. Rated to a maximum load of 100 lbs. Patent pending.

**No. 200**
This compact rotary latch is recommended for small hoods, lids, doors and panels. Standard part comes with a zinc-plated housing and Everlube latch pawls for lubricity and corrosion protection. To mount, use two 1/4" bolts. Rated to a maximum load of 100 lbs. Can be used with any 3/8" dia. striker.

**No. 2-200**
Same as Part No. 200 but has extended trip lever.

**No. 200-SS**
Stainless steel housing.
**ROTARY LATCHES AND STRIKERS**

**No. 21D-240-AR&L**

Dovetail Rotary Latch

This Mini Rotary™ is designed when used in construction with No. D-240-53R&L to improve door alignment when slamming closed due to the unique wedge design which helps alignment.

Use with striker No. 240-52U.

**Patented**

---

**No. D-240-53R&L**

The Dovetail aligns the No. 21-D240 A R&L when slamming by following the ramp angle of the rotary.

Use with striker No. 240-52U.

**Patented**

---

**No. 8-270-U**

Mini Rotary latch with dual stage latch and load rating up to 350 lbs. Product features Everlube finish on internal components for corrosion protection and added lubricity, designed to be mounted inside door skin to prevent anti-racking, used with 1/4" diameter striker (No. 6411-E or No. 6411-ESS).

---

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ROTARY LATCHES AND STRIKERS

**DOVETAIL ROTARY & STRIKER**

Rotary designed for actuation with cables or rods. Complies with FMVSS206 applications when used in conjunction with STUA11 striker. Unique dovetail self-aligning wedge block design promotes door/striker alignment and striker cam interface. Striker is low looped pin style with nylon wedges to promote rotary alignment. Employs upset weld process to secure loop to the striker case. Striker sold separately.

**Materials:**  Rotary, Cold-Rolled Steel Case with Case Hardened Cams. Striker, Cold-Rolled Steel Case with Case Hardened Cams.

**Use With:**  Dovetail Striker

**For Use On:**  Cab Doors and Sleeper Compartments. Can be used in Conjunction with KSS Outside Door Handle

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>LALA03</td>
<td>Left Hand</td>
</tr>
<tr>
<td>LARA03</td>
<td>Reft Hand</td>
</tr>
</tbody>
</table>

**FMVSS 206 COMPLIANT**

**600 BUNK LATCH**

Self-aligning latch. Dovetail latch design aids large door stability by easing pressure off of the hinge. Specify left or right hand.

**NOT DESIGNED FOR PASSENGER DOOR USE OR FMVSS 206 APPROVED APPLICATIONS.**

**Materials:**  Steel with Zinc or Yellow Dichromate finish

**For Use On:**  Sleeper Bunks and Compartment Doors

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>FLBLLZOT</td>
<td>Right Hand</td>
</tr>
<tr>
<td>FLBLLZO1</td>
<td>Left Hand</td>
</tr>
</tbody>
</table>
ROTARY LATCHES AND STRIKERS

No. 16377

- Rod adapter with set screw in base.
- Zinc-plated or stainless steel.
- Available in right or left hand.

Notes:
1. RECOMMENDED HOLE SIZE: 240.250 DIAM.
2. FOR USE WITH .156 DIAM. ROD.
3. USABLE TEMP. RANGE: +250°F TO -40°F
   (+121°C TO -40°C)

<table>
<thead>
<tr>
<th>COLOR</th>
<th>PART NO.</th>
<th>HAND</th>
<th>A</th>
<th>B</th>
<th>C</th>
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<tbody>
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<td>16377-1</td>
<td>RIGHT</td>
<td>.33</td>
<td>.14</td>
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<td>BLACK</td>
<td>16377-2</td>
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<td>RED</td>
<td>16377-3</td>
<td>RIGHT</td>
<td>.28</td>
<td>.08</td>
<td>.66</td>
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<td>GREEN</td>
<td>16377-4</td>
<td>LEFT</td>
<td>.28</td>
<td>.08</td>
<td>.66</td>
</tr>
</tbody>
</table>

Mini Rotary Accessories

No. 16592-R/No. 16592-SSR
- Mounting bracket.
- Zinc-plated or stainless steel.
- Available in right or left hand.

No. 1-16592-SSR
- With mounting slots.
- Type 300 series stainless steel.
- Available in right or left hand.

No. 16619-15PK
- Panel thickness 13 gauge.
- Right or left hand.

No. 1-16619-15PK
- Panel thickness 11 gauge.
- Available in right or left hand.

No. 1-16619-25PK
- For 1/4" rods with .50" diameter.

No. 1-16619-31PK
- For 5/16" rods with .50" diameter.

RS 58424
- Rod adapter with set screw in base.
- Serrated tip set screw (black zinc)
- W/nylon patch
- Adapter finish: (64) elec. zinc w/yellow chromate
- Set screw finish: black zinc

<table>
<thead>
<tr>
<th>ASSEMBLY #</th>
<th>&quot;A&quot;</th>
<th>&quot;B&quot;</th>
<th>&quot;C&quot;</th>
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<tr>
<td>16619-25PK</td>
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<td>.265</td>
<td>.450</td>
<td>30-45 IN/LBS.</td>
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<td>.265</td>
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<td>30-45 IN/LBS.</td>
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</table>

ASSEMBLY # A    B    TORQUE
16619-25PK .265   .265   30-45 IN/LBS.
16619-31PK .295   .328   30-45 IN/LBS.

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ROTARY LATCHES AND STRIKERS

No. 20-300-L
Adjustable mounting rotary with integral release handle.

No. 20-300-L

<table>
<thead>
<tr>
<th>Dimension</th>
<th>Value</th>
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<tr>
<td>Thickness</td>
<td>0.69</td>
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<tr>
<td>Width</td>
<td>1.34</td>
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No. 2T-400-10
Mounting striker and plate subassembly.

No. 2T-400-10

- T-50 SIX LOBE DRIVE
- 0.75 DIA
- 0.70
- 0.15
- 0.55
- 0.54
- 7/16 - 14 THREAD

No. 2T-400-52
w/washer

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No. 5-400-52

<table>
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<td>Diameter</td>
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<tr>
<td>Height</td>
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| Width     | 0.75 Hex
| 0.55
| 0.15
| 0.15
| 7/16 - THREAD

No. 16642-10
Not for personnel restraint applications.

<table>
<thead>
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<th>Dimension</th>
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<tbody>
<tr>
<td>Diameter</td>
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<tr>
<td>Height</td>
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</tbody>
</table>
| Width     | 0.75 Hex
| 0.13
| 0.13
| 7/16 - 14 THREAD

No. 26-300-52
Mounting striker and plate subassembly.

No. 26-300-52

<table>
<thead>
<tr>
<th>Dimension</th>
<th>Value</th>
</tr>
</thead>
</table>
| Diameter  | 3.9 DIA
| 2 PLACES |
| Height    | 0.75  |
| Width     | 1.59  |
| Height    | 0.25  |
| Width     | 0.39  |
| Diameter  | 0.81  |
| Height    | 0.54  |
| Width     | 0.55  |
| Diameter  | 2.35  |
| Height    | 0.97  |
| Width     | 1.96  |
| Diameter  | 0.75 Hex
| 0.13
| 0.13
| 7/16 - 14 THREAD

Industrial Hardware Distributors, Inc.
620 Spicer St., Akron, OH 44311 • 800.824.1864 | 3415 S.W. 6th St., Ocala, FL 34474 • 800.682.8900
www.industrialhwe.com
**ROTARY LATCHES AND STRIKERS**

- **No. 3-240-52U**
  Extended hex bolt striker and washer.
  ![Image](image1)

- **No. 3-240-10**
  Less washer
  ![Image](image2)

- **No. 1T-240-52U**
  Torx drive striker bolt and washer.
  ![Image](image3)

- **No. 1T-240-10**
  Torx drive striker bolt.
  ![Image](image4)

- **No. 4-240-52**
  Adjustable striker plate subassembly.
  ![Image](image5)

- **No. 15-240-52**
  Same as 4-240-52 except mounting holes are vertical.
  ![Image](image6)

- **No. 2T-400-52**
  Six Lobe Drive Striker/Washer subassembly weight: .09 lbs.
  ![Image](image7)

- **No. 16858**
  Carb clip
  ![Image](image8)
ROTARY LATCHES AND STRIKERS

STRIKERS PIN ASSEMBLY

3400-15, Strike Pin Assembly
Designed for 3400 series Rotary Latches. This Strike Pin is made to Grade 8 specifications and is intended for FMVSS #206 applications. Suggested installation torque 45-50 foot pounds.

3400-17, Strike Pin Assembly
Designed for 3400 series Rotary Latches. This Strike Pin is made to Grade 8 specifications and is intended for FMVSS #206 applications. Suggested installation torque 45-50 foot pounds.

3400-16, Strike Pin Assembly
Designed for 3400 series Rotary Latches. This Strike Pin is made to Grade 8 specifications and is intended for FMVSS #206 applications. Suggested installation torque 45-50 foot pounds.

3400-20, Strike Pin Assembly
Suggested installation torque 45-50 foot pounds.
Finish: Zinc
ROTARY LATCHES AND STRIKERS

070-0200 .675 (17.1mm) Diameter Striker Bolt

**MATERIAL:**
- Typical materials include AISI 4140 and AISI C10B21 steel (or equivalent), heat treated to TriMark ES-141

**INSTALLATION:**
- Torque 7/16-14 UNC-2A to 56 ft-lbs minimum depending upon surface conditions
- Torque 1/2-13 UNC-2A to 85 ft-lbs minimum depending upon surface conditions
- Torque M12 X 1.75-6g to 75 ft-lbs minimum depending upon surface conditions

**FINISH:**
- Zinc plated with clear chromate

**LATCH & 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 and latched to anticipated "closed" 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

**NOTE:** STRIKER BOLT HEAD AND DRIVE DETAIL MAY VARY FROM SHOWN

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Thread</th>
<th>Dimension</th>
<th>Washer</th>
<th>Drive Detail</th>
</tr>
</thead>
<tbody>
<tr>
<td>80775-16</td>
<td>7/16-14</td>
<td>None</td>
<td>.134 X 1.100 (3.4mm X 28.0mm)</td>
<td>None</td>
</tr>
<tr>
<td>10092-16</td>
<td>7/16-14</td>
<td>1.350 X 2.215 (34.3mm X 56.3mm)</td>
<td>NA</td>
<td>3/4 External Hex</td>
</tr>
<tr>
<td>10338-16</td>
<td>7/16-14</td>
<td>1.350 X 2.215 (34.3mm X 56.3mm)</td>
<td>.134 X 1.100 (3.4mm X 28.0mm)</td>
<td>3/4 External Hex</td>
</tr>
<tr>
<td>10339-01</td>
<td>7/16-14</td>
<td>1.040 X 1.905 (26.4mm X 48.4mm)</td>
<td>.134 X 1.100 (3.4mm X 28.0mm)</td>
<td>3/4 External Hex</td>
</tr>
<tr>
<td>10646-16</td>
<td>7/16-14</td>
<td>1.150 X 2.025 (29.2mm X 51.4mm)</td>
<td>.134 X 1.100 (3.4mm X 28.0mm)</td>
<td>3/4 External Hex</td>
</tr>
<tr>
<td>80600-16</td>
<td>7/16-14</td>
<td>.850 X 1.715 (21.6mm X 43.6mm)</td>
<td>NA</td>
<td>3/4 External Hex</td>
</tr>
<tr>
<td>10795-16</td>
<td>7/16-14</td>
<td>.850 X 1.715 (21.6mm X 43.6mm)</td>
<td>.134 X 1.100 (3.4mm X 28.0mm)</td>
<td>3/4 External Hex</td>
</tr>
<tr>
<td>11050-15</td>
<td>7/16-14</td>
<td>1.700 X 2.750 (43.2mm X 69.9mm)</td>
<td>.134 X 1.100 (3.4mm X 28.0mm)</td>
<td>3/4 External Hex</td>
</tr>
<tr>
<td>15986-01</td>
<td>7/16-14</td>
<td>1.441 X 2.047 (36.6mm X 52.0mm)</td>
<td>.150 X 1.100 (3.8mm X 28.0mm) Grip Teeth</td>
<td>5/16 Internal Hex</td>
</tr>
<tr>
<td>81389-01</td>
<td>3/8-16</td>
<td>.984 X 1.201 (25.0mm X 30.5mm)</td>
<td>NA</td>
<td>7/8 External Hex</td>
</tr>
<tr>
<td>16912-01</td>
<td>M12 X 1.75</td>
<td>1.339 X 2.205 (34.0mm X 56.0mm)</td>
<td>.150 X 1.100 (3.8mm X 28.0mm) Grip Teeth</td>
<td>3/4 External Hex</td>
</tr>
<tr>
<td>11111-16</td>
<td>M12 X 1.75</td>
<td>M12 X 1.75 (44.5mm)</td>
<td>.150 X 1.100 (3.8mm X 28.0mm) Grip Teeth</td>
<td>3/4 External Hex</td>
</tr>
<tr>
<td>11737-16</td>
<td>M12 X 1.75</td>
<td>1.487 X 2.205 (37.8mm X 56.0mm)</td>
<td>.150 X 1.100 (3.8mm X 28.0mm) Grip Teeth</td>
<td>3/4 External Hex</td>
</tr>
<tr>
<td>15506-01</td>
<td>M12 X 1.75</td>
<td>2.209 X 3.110 (56.1mm X 79.0mm)</td>
<td>.150 X 1.100 (3.8mm X 28.0mm) Grip Teeth</td>
<td>3/4 External Hex</td>
</tr>
<tr>
<td>22080-01</td>
<td>M12 X 1.75</td>
<td>1.693 X 2.717 (43.0mm X 69.0mm)</td>
<td>NA</td>
<td>8mm Internal Hex</td>
</tr>
<tr>
<td>26060-01</td>
<td>M12 X 1.75</td>
<td>1.469 X 2.413 (37.30mm X 61.30mm)</td>
<td>NA</td>
<td>8mm Internal Hex</td>
</tr>
<tr>
<td>25664-01</td>
<td>M12 X 1.75</td>
<td>1.206 X 2.315 (30.62mm X 58.8mm)</td>
<td>.134 X 1.500 (3.40mm X 38.10mm) 25665-01</td>
<td>5/16 Internal Hex</td>
</tr>
<tr>
<td>23218-01</td>
<td>M10 X 1.50</td>
<td>1.260 X 2.323 (32.0mm X 59.0mm)</td>
<td>NA</td>
<td>8mm Internal Hex</td>
</tr>
<tr>
<td>23766-01</td>
<td>M10 X 1.50</td>
<td>1.260 X 2.323 (32.0mm X 59.0mm)</td>
<td>.105 X .790 (2.7mm X 20.1mm) Used for M10 Threaded Bolt</td>
<td>8mm Internal Hex</td>
</tr>
</tbody>
</table>
100-0410 Cage Nut

**DESIGNED FOR:**
- Entrance doors and compartment doors with a 3/8"-16 or 7/16"-14 striker bolt application

**AVAILABLE:**
- 3/8"-16 or 7/16"-14 threads
- Up to .250" (6.4mm) total vertical and .125" (3.2mm) total door seal adjustment
- One piece assembly for simplified installation
- Nut and retainer available separately for lowest cost

**INSTALLATION:**
- Mounts with standard 1/4-20 screws (not included)
- Striker bolt mounting close to edge to allow use in applications where striker bolt is close to the frame edge

Steel nut withstands tensile loads applied to striker bolt in excess of 2500 lbs. (1134 kg) as required by FMVSS 206.

**TOGETHER THE CAGE NUT AND STRIKER BOLT MEETS OR EXCEEDS FMVSS 206 LOAD REQUIREMENTS.**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>11920-16</td>
<td>Cage Nut Assembly, 3/8-16</td>
</tr>
<tr>
<td>12111-16</td>
<td>Cage Nut Assembly, 7/16-14</td>
</tr>
</tbody>
</table>

070-0100 .500 (12.7mm) Diameter Striker Bolt

**DESIGNED FOR:**
- Use with TriMark's single rotor latches and cage nuts that require a .500 (12.7mm) diameter striker bolt

**INSTALLATION:**
- Torque to 35 ft-lbs minimum depending upon surface conditions

**FINISH:**
- Zinc plated with clear chromate

**MATERIAL:**
- Typical materials include AISI 4140 and AISI C10B21 steel (or equivalent), heat treated to TriMark ES-141

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Thread</th>
<th>Dimension</th>
<th>Washer</th>
<th>Drive Detail</th>
</tr>
</thead>
<tbody>
<tr>
<td>14534-01</td>
<td>7/16-14</td>
<td>1.195 X 2.060 (30.4mm X 52.3mm)</td>
<td>No Washer</td>
<td>5/8 External Hex</td>
</tr>
<tr>
<td>80591-16</td>
<td>3/8-16</td>
<td>.800 X 1.665 (20.3mm X 42.3mm)</td>
<td>No Washer</td>
<td>5/8 External Hex</td>
</tr>
<tr>
<td>10335-16</td>
<td>3/8-16</td>
<td>.800 X 1.665 (20.3mm X 42.3mm)</td>
<td>.105 X 1.125 (2.7mm X 28.6mm)</td>
<td>5/8 External Hex</td>
</tr>
<tr>
<td>81180-16</td>
<td>3/8-16</td>
<td>.940 X 1.805 (23.9mm X 45.8mm)</td>
<td>No Washer</td>
<td>5/8 External Hex</td>
</tr>
<tr>
<td>11628-16</td>
<td>3/8-16</td>
<td>.940 X 1.805 (23.9mm X 45.8mm)</td>
<td>.105 X 1.125 (2.7mm X 28.6mm)</td>
<td>5/8 External Hex</td>
</tr>
<tr>
<td>11775-16</td>
<td>3/8-16</td>
<td>.905 X 1.465 (23.0mm X 37.2mm)</td>
<td>.105 X 1.125 (2.7mm X 28.6mm)</td>
<td>5/8 External Hex</td>
</tr>
<tr>
<td>14533-01</td>
<td>3/8-16</td>
<td>1.300 X 2.060 (33.0mm X 52.3mm)</td>
<td>.105 X 1.125 (2.7mm X 28.6mm)</td>
<td>5/8 External Hex</td>
</tr>
<tr>
<td>18676-01</td>
<td>3/8-16</td>
<td>.940 X 1.689 (23.9mm X 42.9mm)</td>
<td>.105 X 1.125 (2.7mm X 28.6mm)</td>
<td>5/8 External Hex</td>
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<tr>
<td>14145-01</td>
<td>3/8-16</td>
<td>.800 X 2.630 (20.3mm X 66.8mm)</td>
<td>.105 X 1.125 (2.7mm X 28.6mm)</td>
<td>5/8 External Hex</td>
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<tr>
<td>18093-01</td>
<td>3/8-16</td>
<td>.870 X 1.604 (22.1mm X 40.7mm)</td>
<td>.105 X 1.125 (2.7mm X 28.6mm)</td>
<td>5/8 External Hex</td>
</tr>
<tr>
<td>17982-01</td>
<td>3/8-16</td>
<td>1.138 X 2.479 (28.9mm X 63.0mm)</td>
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<td>5/8 External Hex</td>
</tr>
<tr>
<td>22178-02</td>
<td>3/8-16</td>
<td>1.020 X 1.885 (25.91mm X 47.88mm)</td>
<td>No Washer</td>
<td>5/16 Internal Hex</td>
</tr>
<tr>
<td>22178-01</td>
<td>3/8-16</td>
<td>1.020 X 1.885 (25.91mm X 47.88mm)</td>
<td>No Washer</td>
<td>5/16 Internal Hex</td>
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<tr>
<td>24841-01</td>
<td>3/8-16</td>
<td>1.020 X 1.885 (25.91mm X 47.88mm)</td>
<td>.105 X 1.125 (2.7mm X 28.6mm)</td>
<td>5/16 Internal Hex</td>
</tr>
<tr>
<td>23217-01</td>
<td>M10 X 1.5</td>
<td>1.247 X 2.197 (31.7mm X 55.8mm)</td>
<td>No Washer</td>
<td>6mm Internal Hex</td>
</tr>
<tr>
<td>23219-01</td>
<td>M10 X 1.5</td>
<td>1.247 X 2.197 (31.7mm X 55.8mm)</td>
<td>.105 X .79 (2.7mm X 20.1mm)</td>
<td>6mm Internal Hex</td>
</tr>
</tbody>
</table>
ROTARY LATCHES AND STRIKERS

ANTI-BURST LATCHES FOR OFF-ROAD VEHICLES

Specially developed for agricultural tractors, construction plant and similar off-road vehicles, these latches are easily fitted to single-skin doors, with a neat, moulded trim cover for good appearance.

Latches operate from a push-button handle mounted on the outside panel, so that plunger engages with ‘trigger’.

Two-stage rotary action, integral inside release, with fixing holes concealed by trim cover. Steel cover plate reinforces latch to increase strength rating.

‘Handing’ shown for front-hinged doors. Reverse handing for front-opening.

Latch slams against pin-striker, is released by exterior ‘trigger’ or by lifting inside handle. There is no inside locking function.

Attach to door edge by 2 x M6 high tensile bolts through steel cover plate (which must be used). Trim cover is retained by M6 screw into threaded hole on side-face.

Black zinc-plated with moulded trim cover and inside release, bright zinc plated striker.

When rig-tested these latches can achieve values in excess of 8.9KN (2000lb) Transverse load in fully-latched condition. The design is intended for off-road vehicles, and constructors are responsible for evaluating performance in their own particular application and for ensuring that appropriate legislation is satisfied.

ORDERING CODE

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
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<tbody>
<tr>
<td>9/01830</td>
<td>Latch assembly, RH</td>
</tr>
<tr>
<td>9/01831</td>
<td>Latch assembly, LH</td>
</tr>
<tr>
<td>9/01832</td>
<td>Striker pin</td>
</tr>
</tbody>
</table>

Note: Above assemblies include steel cover plate, moulded trim cover and inside release handle.

SPECIFICATION

<table>
<thead>
<tr>
<th>Code</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Height</td>
</tr>
<tr>
<td>B</td>
<td>Width</td>
</tr>
<tr>
<td>C</td>
<td>Depth</td>
</tr>
<tr>
<td>D</td>
<td>Location to hole</td>
</tr>
<tr>
<td>E</td>
<td>Length, handle</td>
</tr>
<tr>
<td>F</td>
<td>Location to face</td>
</tr>
<tr>
<td>G</td>
<td>Location to latch centre</td>
</tr>
<tr>
<td>H</td>
<td>Hole sizes</td>
</tr>
<tr>
<td>J</td>
<td>Hole centres</td>
</tr>
<tr>
<td>K</td>
<td>Hole size (Threaded)</td>
</tr>
<tr>
<td>L</td>
<td>Pin total length</td>
</tr>
<tr>
<td>M</td>
<td>Threaded</td>
</tr>
<tr>
<td>N</td>
<td>Hexagon across flats</td>
</tr>
</tbody>
</table>

A. Height .................................................. 80mm
B. Width ................................................... 47mm
C. Depth ................................................... 17mm
D. Location to hole ...................................... 26mm
E. Length, handle ........................................ 80mm
F. Location to face ....................................... 9mm
G. Location to latch centre ............................. 19mm
H. Hole sizes ............................................... 6mm
J. Hole centres ........................................... 31.5mm
K. Hole size (Threaded) .................................. M6
L. Pin total length ....................................... 41mm
M. Threaded .................................................. 12mm x 1mm fine pitch
N. Hexagon across flats .................................. 16mm

When rig-tested these latches can achieve values in excess of 8.9KN (2000lb) Transverse load in fully-latched condition. The design is intended for off-road vehicles, and constructors are responsible for evaluating performance in their own particular application and for ensuring that appropriate legislation is satisfied.
‘DISC’ LATCHES, PUSH-BUTTON MODELS

These models are fully plant-on to the door edge, and operate directly from a push-button unit. The latches have built-in locking functions and fully interconnected inside/outside operation. When correctly fitted they meet legal requirements for on-road vehicles.

Slam-action against loop-striker. Both ‘hands’ available as illustrated.

Striker loop engages with a slotted steel disc with 2-stage action, and is released by (outside) push-plate or (inside) latching lever. The separate locking levers block operation of latch release.

Fully plant-on to door edge, fixing through body of latch with cut-outs for operating levers.

Moulded body is white, face-plate and striker are bright zinc-plated, other components zinc finish.

Body is acetal co-polymer, face-plate and operating components are steel. Striker plate is hot staked, brazed and hardened.

Alternative inside release.

Use with WBH push-button designs and inside release units.

Anti-burst properties
When rig-tested these latches can achieve values in excess of 8.9KN* transverse load in fully-latched condition. However vehicle builders are responsible for evaluating performance in their own particular application and for ensuring that appropriate legislation is satisfied.

* SAE & ECE II specifications
PADDLE / T-HANDLE ROTARY LATCHES

No. 9600-PK Paddle Rotary Latch
Automotive styling combined with the strength and performance of our patented Rotary Latch. Ease of mounting is accomplished with blind mount bracket. Bracket is attached with included nuts for lower installation cost.

Material:
Receptacle – Carbon steel, zinc-plated, then black powder coated.
Paddle – 300 Series stainless steel brushed finish.

No. 9600-PK Key-Locking
No. 9601-PK Non-Key-Locking

Optional Gaskets Available:
No. 1-9600-15BH Inside gasket – horizontally mounted paddle
No. 1-9600-15BV Inside gasket – vertically mounted paddle
No. 1-9600-15AH Outside gasket – horizontally mounted paddle
No. 1-9600-15AV Outside gasket – vertically mounted paddle

No. 3-4373-SSX Paddle Rotary Latch

No. 4373-X Key-Locking
No. 4374-X Nonlocking
Incorporates the industry standard paddle latch configuration with the positive latching features of our two-stage rotary. Ideal for a wide variety of applications including steel and fiberglass truck bodies.
Available in 304 stainless steel or carbon steel zinc-plated.
No. 3-4373-X includes 4-11/64" diameter mounting holes on 3-3/4" x 3-13/16" hole centers. May be used with Eberhard Striker No. 2T-400-52.
May be customized with customer logo on paddle.
Weight: 1.4 lbs.

No. 16-4373SSX Key-locking rotary paddle latch with (4) 1/4-20 NC blind mount studs on 3.75" x 3.69" centers.
**030-0100 Single Rotor Compartment Latch**

Designed for most medium to heavy-duty storage and compartment doors, this product features an integrated rotary latch for ease of installation and use.

**DESIGNED FOR:**
- On or off-highway vehicle applications -- construction, mining, agricultural
- Service and utility truck body doors
- Fire and rescue unit vehicles
- Most storage, compartment and access doors with latch and strike location at top or sides of door
- Door weights of approximately 75 lbs. or less

**AVAILABLE:**
- Keyed alike with shuttered keyway, key code LL11
- Keyed random
- Padlockable

**MATERIAL:**
- Housing and paddle: die cast zinc alloy
- Other components: zinc plated, mild steel
- Internal latch components: case hardened, smooth edge stamped steel

**FINISH:**
- Clear chromate, ready to paint
- Buffed copper-nickel-chrome plated
- Buffed duplex nickel

**INTERNAL LUBRICATION:**
- Oven-cured dry lubricant is applied on all critical moving parts

**INSTALLATION:**
- 3/16" diameter fasteners

Caution: Compartment latch does not meet FMVSS 206 load requirements.

**APPLICATION RECOMMENDATIONS:**
- Striker bolt installation should allow for a minimum radial movement of .060 [1.524]
- Rubber bumpers or door seals are recommended to reduce effects of vibration stress on door and latch system

**LATCH & 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 LATCH POSITIONS ARE USABLE
- Door should be latched but not "closed" in secondary position and latched to anticipated "closed" position with respect to adjacent surfaces in primary position
- If both primary and secondary positions are not evident, readjust striker bolt
3900-AH, Rotary Paddle Latch
Similar to P/N 2680-AH in application, with subtle design differences.

**Patent No. 5,983,682**
Universal Paddle Rotary Latches for steel, fiberglass, plastic and aluminum compartment doors used in conjunction with P/N 3400-15 Striker. Two stage latching (primary and secondary) safety positions. Available in zinc and stainless steel finish. Tested at 900# Max. Load Rating. When ordering please use the following Part Nos.:

- **2680-AH Zinc** - Paddle Rotary Latch, locking, with mounting holes; zinc finish
- **2680-BH Zinc** - Paddle Rotary Latch, non-locking with mounting holes; zinc finish
- **SS 2680-AH** - Paddle Rotary Latch, locking, with mounting holes; polished stainless steel
- **SS 2680-BH** - Paddle Rotary Latch, non-locking, with mounting holes; polished stainless steel
**PADDLE / T-HANDLE ROTARY LATCHES**

**No. 3-7901**
Two-stage paddle rotary provides positive vertical and horizontal latching around the strike pin. Water resistant paddle design limits water penetration into the compartment area. Everlube finish on internal latch components for corrosion protection and added lubricity.

Recommended Striker **No. 240-52U**

<table>
<thead>
<tr>
<th>No.</th>
<th>Variations</th>
</tr>
</thead>
<tbody>
<tr>
<td>3-7900</td>
<td>Non-key-locking paddle rotary with 4 mounting holes.</td>
</tr>
<tr>
<td>3-7901</td>
<td>Key-locking paddle rotary with 4 mounting holes.</td>
</tr>
<tr>
<td>3-7901-PCR</td>
<td>Same as above, except with power cylinder.</td>
</tr>
<tr>
<td>3-7901-SS</td>
<td>Same as above, except stainless steel.</td>
</tr>
<tr>
<td>3-7940-SS</td>
<td>Free-wheeling paddle version of 3-7901-SS. Paddle is free to move in the locked position to reduce damaging latch through forced entry.</td>
</tr>
<tr>
<td>5-7901Z</td>
<td>Same as 3-7901 version except has radius pan.</td>
</tr>
<tr>
<td>6-7901Z</td>
<td>Same as 5-7901 except has .17” dia. holes.</td>
</tr>
</tbody>
</table>

**No. 3-7960**
Same features as the 7901 with the larger paddle design for increased hand clearance.

<table>
<thead>
<tr>
<th>No.</th>
<th>Variations</th>
</tr>
</thead>
<tbody>
<tr>
<td>3-7960</td>
<td>Key-locking paddle rotary</td>
</tr>
<tr>
<td>3-7960-SS</td>
<td>Same as above, except stainless steel</td>
</tr>
</tbody>
</table>

**Patented**

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Industrial Hardware Distributors, Inc.
620 Spicer St., Akron, OH 44311 • 800.824.1864 • 3415 S.W. 6th St., Ocala, FL 34474 • 800.682.8900
www.industrialhwe.com
PADDLE / T-HANDLE ROTARY LATCHES

No. 3-3691-R
Patent Pending

Stylized T-handle rotary latch features the patented Eberhard Mini Rotary Latch. The key-locking version has the cylinder recessed in the pan for added protection from the environment. The latch is slammable in the locked position. A slight twist of the T is all that is required to release the latch.

No. 3-3690-SSR Non-Key-Locking – Stainless steel with mounting holes
No. 3-3691-SSR Key-Locking – Stainless steel with mounting holes

For blind mount, order with a prefix of 4 instead of 3.

Optional Gaskets Available:
No. 3601-25 EDPM 60 Durometer
No. 1-3601-25 Closed Cell Sponge Gasket

No. 3-8491-SSR
Patent Pending

The T-handle rotary latch combines the look of the T-handle with the strength of the rotary. A slight twist of the "T" releases the latch mechanism. Patented two-stage rotary design provides secure latching in the horizontal and vertical positions. Designed for compartment doors, toolboxes, enclosures and other access panels. Not to be used on personnel doors.
**PADDLE / T-HANDLE ROTARY LATCHES**

**No. ECL-750-KP9**

Patent pending

**No. ECL-750-KP9 Eclipse® Paddle Rotary Latch**

Paddle and housing made of a high strength thermoplastic. The rotary latch is integral to the mounting bracket for strength and ease of operation. The latch features O-rings in the paddle and cylinder design for added water resistance. Designed for panel thickness from 3/16" to 3/8".

**No. ECL-750-KP9 Key-Locking**

**No. ECL-750-P9 Non-Key-Locking**

Ideal for small compartment applications where a secure latch mechanism is required.

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**E SERIES PADDLE HANDLE LOCKING/NON-LOCKING SINGLE POINT CENTER MOUNTED INTEGRAL ROTARY LATCH**

Standard size dish.

**Materials:** Cold-Rolled Steel - Zinc Plated, E-coat, Powder Coat, Galvaneal, Stainless Steel - Polished or Satin Finish

**Installation Methods:** Mounting Holes, CD Studs, Pemserts

**Available With:** Company Logo on Handle, Standard or Upgradeable Key Cylinder and Gasket

**Use With:** Loop Strikers

**For Use On:** Medium to Large Compartment Doors

**Key Code Options:** 20 Codes

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**PMISC010**

Gasket

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