TRILENNIUM
MULTI-POINT LOCKING SYSTEMS

Protect your home. Preserve your style.
When the door is closed, the angled shoulder of Trilennium’s Bolts pre-engage with the Roller Strikes to fight deflection at all times and deliver smooth operation time after time.

Look familiar? The door is misaligned. In other multi-point systems, the lock would fail to engage, resulting in an unhappy homeowner and costly service call for you or your customer. Not so with Trilennium®.

As lock is activated, Trilennium’s patented Roller Strikes and Bolts pull the panel into perfect alignment, correcting misalignment in three directions, and arming the door with three deadbolts that cannot be compromised.

How Trilennium® works:

1. **Trilennium® Works.**
   Between impractical installation and the difficulty of keeping an 8' door straight, multi-point locks can be a nightmare for you. Poor alignment means service calls and unhappy homeowners. Not so with Trilennium®. Trilennium® Multi-Point Locking Systems work when others don’t.

2. **Makes everything Stronger.**
   A solid, one piece I-Beam runs the full length of the lock. That not only increases the strength and precision of the lock, but when Trilennium® is installed, it actually strengthens the door edge and prevents door warping over the life of the panel.

3. **Three times Secure.**
   Trilennium® features three full deadbolt locks for ultimate strength and security. No hooks or catches that require unrealistic alignment and result in frequent service calls. Among the strongest and most secure in the industry, Trilennium® Multi-Point Locking Systems exceed Grade 30—or 300 ft-lbs x 2 of impact, per ASTM E 2395.
lock for an imperfect world.

Installation that's Forgiving.

When a door unit leaves the shop, it can be perfect. But you can't control the rough opening, or what happens over time. Out of plumb. Out of square. Or worse. That's where we come in. Trilennium's patented system of bolts and roller strikes draws the door back into perfect alignment, correcting imperfections up to 3/16” in three directions.

Panic Release opens the lock with a single downward turn of the interior lever.

Heavy-duty rails with precise router carrier, guides, bridges, stops and cross-bore guides make installation simple and flawless.

Shop Friendly.

Solid one-piece construction means no finicky lock pre-assembly before installing the lock in the door. The lock arrives ready to drop into a routed door stile.

Faster set-up, fewer steps in the shop and more accurate machining save time and money.

Premium hardware is available for any door system in styles to match every decor. Unlike European-style systems, Trilennium® operates intuitively; a single turn of the key or thumb-turn activates all three deadbolts smoothly. Plus, with the Panic Release feature, just one turn of the interior lever deactivates all three bolts at once for even easier operation.

Easy to Own.

When a door unit leaves the shop, it can be perfect. But you can't control the rough opening, or what happens over time. Out of plumb. Out of square. Or worse. That’s where we come in. Trilennium’s patented system of bolts and roller strikes draws the door back into perfect alignment, correcting imperfections up to 3/16” in three directions.

Panic Release opens the lock with a single downward turn of the interior lever.
**ENTRY SOLUTIONS**  SINGLE & ACTIVE PANEL SOLUTIONS

**3000**

**Single Door**

**Active Panel of Double Door**

**Book Edge**

**1” Face Plate**

The 3000 delivers the strength and security of the Trillennium® Multi-Point Locking System to standard 1.75” book edge doors.

**3070**

**Single Door**

**Active Panel of Double Door**

**Proud Edge**

**7/8” Face Plate**

Better routing margins and fit for proud edge or bull nose door stiles. Allows specification for more door panels.

**3500**

**Double Door**

**Active Panel**

**3020 Compatible Only**

**1” Face Plate**

The 3500 runs the full length of the door stile and provides two additional lock points into the header and sill for the active panel of double door applications. Delivers maximum strength and maximum security within the Trillennium® lock series.

**3000/3070 BENEFITS:**

- 3-Point Locking, industry-leading strength and protection
- Patented I-Beam Construction
- Fights deflection, prevents and corrects panel misalignment
- Easy operation, now and in the years to come

**3000/3070 OPTIONS & COMPATIBILITY FOR DOUBLE DOORS:**

- 3000/3070 + 3020 (with Dummy Astragal)
- 3000/3070 + Trillennium Compatible Astragal

**3500 BENEFITS:**

- 5-Point Locking, enhanced strength and protection
- Patented I-Beam Construction
- Fights deflection, prevents & corrects panel misalignment
- Easy operation, now and in the years to come

**3500 OPTIONS & COMPATIBILITY FOR DOUBLE DOORS:**

- 3500 + 3020 (with Dummy Astragal)
- 3500 + Magnum Bolts (with Dummy Astragal)
- Not Compatible with Trillennium Compatible Astragal

**3000/3500 FACE PLATE FINISHES**

- Victorian Bronze
- Satin Stainless Steel
- Bright Brass

**3070 FACE PLATE FINISHES**

- Victorian Bronze
- Satin Stainless Steel

**3000/3070/3500 STRIKE PLATE FINISHES**

- Victorian Bronze
- Satin Stainless Steel
- Bright Brass
- Satin Nickel
- Black
3020

Double Door
Inactive Panel

1” Width
The I-Beam construction of the 3020 overcomes inherent inactive door panel weakness. The 3020 eliminates panel deflection and provides a solid metal cup for the deadbolt. Both features greatly increase the strength and security of the inactive door.

3020 BENEFITS:
• 7-Point Locking (with 3500)
• Inactive Panel Operated by Handset
• Patented I-Beam Construction for Inactive Panel

3020 OPTIONS & COMPATIBILITY FOR DOUBLE DOORS:
• 3020 + 3000
• 3020 + 3070
• 3020 + 3500

3020 STRIKE PLATE FINISHES

Endura Trilennium® Compatible Astragal

Double Door
Inactive Panel

Works with 3000 and 3070
The Endura Trilennium® Compatible Astragal is an Endura Ultimate Astragal configured to work with Trilennium® locks. Two additional locking points and the unbeatable weather protection of the Ultimate Flip Lever™ Astragal combine with the strength and security of the Trilennium® Multi-Point Locking System for a powerful French door solution.

TRILENNIUM COMPATIBLE ASTRAGAL BENEFITS:
• 5-Point Locking (with 3000/3070)
• Patented Flush Bolt, Floating Boot System - Enhanced sealing, forgiving installation
• Patented Flip Lever + Matching Dummy Handset for easy operation, consistent style
• Cost efficient - no extra materials needed, system pre-built within astragal.
• Easy assembly, installation - No extensive routing. System housed within astragal.

TRILENNIUM ASTRAGAL OPTIONS & COMPATIBILITY FOR DOUBLE DOORS:
• 3000
• 3070

TRILENNIUM COMPATIBLE ASTRAGAL STRIKE PLATE FINISHES
The Trilennium Hardware collection combines elegant design with precision engineering for beautiful, reliable performance. Trilennium Hardware is available in entry, inactive and dummy functions.

*Available in Endura’s new TriLast™ finish. This finish passes the toughest BHMA standards for protection against corrosion in coastal and other environments, and is now backed by our new TriLast™ Limited Lifetime Warranty.
EMTEK® brings interesting, well made hardware back into American homes. All EMTEK® Hardware is available for entry, patio, inactive and dummy functions.

**EMTEK® Lever Options**

Available levers appear below escutcheon types.

<table>
<thead>
<tr>
<th>Modern</th>
<th>Stainless Steel</th>
<th>Rectangular &amp; Arched</th>
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</thead>
<tbody>
<tr>
<td>Aireon</td>
<td>Athena</td>
<td>Aurora</td>
</tr>
<tr>
<td>Argos</td>
<td>Sion</td>
<td>Cody</td>
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<tr>
<td>Athena</td>
<td>Stuttgart</td>
<td>Cimarron</td>
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<tr>
<td>Basel</td>
<td>Triton</td>
<td>Durango</td>
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<tr>
<td>Geneva*</td>
<td>Tuscany</td>
<td>Montrose</td>
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<td>Hercules</td>
<td>Medici</td>
<td>Teton</td>
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<td>Helios</td>
<td>Napoli</td>
<td>Lariat</td>
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<td>Octagon</td>
<td>Padua</td>
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<tr>
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<td>Poseidon</td>
<td>Stuttgart</td>
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<tr>
<td>Luzern</td>
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**Finish Availability**

<table>
<thead>
<tr>
<th>Finish</th>
<th>MODERN</th>
<th>STAINLESS</th>
<th>ARCHED</th>
<th>RECTANGULAR</th>
<th>TUSCANY</th>
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<td>5, 6, 8</td>
<td>5, 6, 8</td>
<td>5, 8</td>
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*For use on single door application only.

NOTE: EMTEK has a 3-5 week lead time. All sales are final.
Every Rocky Mountain Hardware Entry set is available in all the styles listed below:

**Entry Set**
Entry, patio, inactive and dummy functions.

**Grip Set**
Grip sets are available in both one-piece and sectional* styles for entry, patio, inactive and dummy functions.

*Fleur De Lis is not available in the Sectional Grip Set.

NOTE: Rocky Mountain Hardware levers have an 8-10 week lead time, and grips have a 10-12 week lead time. All sales are final.
TRILENNIUM® ACCESSORIES

Strike Plates
1-3/4" and 2-1/4" strike plates are available.
Custom strike plates available up to 5-31/32".*

1. 1-3/4" Strike
2. Extended Strike 3-1/4"
3. Extended Strike 4-1/2"
4. Extended Strike 5-1/2"
5. Endura TriLast® Compatible Strike Kit**

*Set up charge applies.
**Sold separately.

Head and Sill Receiver Kit
Mounts in header and sill to receive flush bolts for TriLast® 3500 and 3020 lock sets or Magnum Bolts.

1. High Performance Kit For 3500/3020
2. Standard Kit 3500/3020
3. Standard Kit 3020

HANDSET FINISH AVAILABILITY

ECLIPSE & ECLIPSE GRIP

- Victorian Bronze*
- Satin Nickel*
- Bright Brass
- Black

Pinnacle

- Victorian Bronze*
- Satin Nickel*
- Bright Brass

HORIZON

- Victorian Bronze
- Satin Nickel
- Bright Brass

* Available in TriLast™ Finish

TriLast® Template Routing Systems
Complete template systems for routing the door stile and jamb are available including:

1. TriLast® Template System
Includes: Template Rails, Bridges, Stops, Router Carrier, Bit.
2. Thick Stile Router Carrier & Bridges for 2-1/2" – 3" thick doors
3. Templaco Jamb Template System
4. TriLast® RS Template System Includes:
   Router Carrier, Template Rails,
   Stops and Router Bit.

Magnum Bolts
Enhance wood astragal strength with Magnum Flush Bolts.

Construction Handles

Outswing Sill Cup
For use on outswing sill applications to provide a sealed locking point for the bottom flush bolt of the 3020 or Magnum Bolt.

Dust Box
Installs behind the strike plate to keep debris out and improve appearance.

Panic Arm Conversion Kit
Allows panic release feature to be disabled.

TriLast® Lever Spacer Kit
Extends TriLast® lever 1/2” out from the door panel for extra clearance on doors with decorative panels. Maximum two spacers can be used for 1” clearance.

Also Available
Norfield 250M Strike Template • KVAL 920C Strike Template • Eclipse Entrance Grip Template • Rocky Mountain Hardware Escutcheon Template
Don’t Just Take Our Word For It.

With Trilennium, strength, quality and reliable performance are more than just marketing fluff. We’re committed to ensuring this performance through rigorous testing, competitive warranties and meticulous quality inspections to deliver a product you can proudly stand behind.

Top Quality. Our Promise.

When you order your handsets through Endura Products, we ensure that you receive the proper product to drive your system, regardless of your application. Our Quality Assurance group individually inspects each handle set for proper design, function, handing and finish. If an issue does arise, we’re standing by with spare parts on hand to repair or replace, saving you time and headaches.

Trilennium Testing Results

<table>
<thead>
<tr>
<th>Test</th>
<th>Grade 10</th>
<th>Grade 20</th>
<th>Grade 30</th>
</tr>
</thead>
<tbody>
<tr>
<td>1, At Lock, Static Load</td>
<td>300 lbf</td>
<td>500 lbf</td>
<td>800 lbf</td>
</tr>
<tr>
<td>2, At Lock and Corner, Static Loads</td>
<td>300 lbf</td>
<td>500 lbf</td>
<td>800 lbf</td>
</tr>
<tr>
<td>3, At Lock, Impact Loads</td>
<td>300 ft-lb x 2</td>
<td>300 ft-lb x 2</td>
<td>300 ft-lb x 2</td>
</tr>
</tbody>
</table>

Specification ASTM E 2395 measures the resistance of the door assembly to forced entry by an intruder. The higher the grade the unit passes, the greater the unit’s strength, security and performance. Trilennium® Multi-Point Series 3000 and 3070 surpassed Grade 30 in dynamic entry testing.

Endura’s new TriLast™ finish is available in Victorian Bronze and Satin Nickel for Eclipse, Pinnacle and Eclipse Grip handsets. This finish passes the toughest BHMA standards for protection against corrosion in coastal and other environments, and is now backed by our new TriLast™ Limited Lifetime Warranty.

Testing was based on ASTM E 2395 Standard Test Methods for Security of Swinging Door Assemblies. Door units were assembled then installed in a 2x rough opening according to normal procedures. A 100 lb weight was hung from above the unit, with its impact point positioned at the lock blocks. The weight was pulled back a specific distance for each load level, then allowed to swing into the door unit towards the panel open direction. The weight impacted the door two times at each load level. If after impact, the door stayed closed, or if holes created were small enough to prevent reaching in to unlock the door, then the unit passed the test. Single, inswing door units were used for all locks. Panels used were 8' Plastpro, 6 panel, smooth fiberglass. Frames were 4-9/16" finger jointed eastern white pine.

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U.S. Patents: 5,857,291; 6,491,326; 7,753,418; 8,182,002; Canadian Patents: 2,562,430; 2,605,002.

Effective: 4.16. TriLast 96