

## Product Change Notification Letter

**To:** All Schneider Electric Motion Customers

**Date:** 09/12/2019

**Title:** External Linear Actuator, Design Modification

**PCN#:** 2019-10

**Affected Products:** All External Linear Actuators

**Effective Date:** Q1 – 2020

### **Device Identification:**

All standard and custom external linear actuators sold by Schneider Electric Motion USA (SEM). This includes Lexium MDrive (LMD), MDrive, and motor-only external linear actuators. Figure 1, attached, represents a typical external linear actuator.

### **Description & Purpose:**

SEM has changed the design methodology for the motor insert which holds the linear screw in external linear actuators. The new insert design will result in a visible product change with the addition of a hexagonal feature within the motor centering collar. The hexagonal feature will not extend past the current motor centering collar height. Figure 3, attached, shows the dimensional variation from the existing product design to the modified product design for NEMA 14, 17, and 23 motors. Figures 2, 4, and 5, attached, show photographs of the new insert design installed on various SEM products. This design change is being implemented to improve manufacturability of the product and will not affect product performance.

### **Recommended Action:**

Please review any applications of external linear actuators sold by SEM to ensure there will be no impact to system operation upon implementation of this design modification.


### **Inquiry:**

Please contact your Regional Sales Manager with any questions or concerns related to this notice. If you are unsure of how to contact your Regional Sales Manager, you may contact SEM headquarters at (860) 295-6102.

Thank you for your continued support and please do not hesitate to contact us with any additional questions.

Sincerely,

Product Manager – Schneider Electric Motion USA (Print): **Preston Tischer**

Product Manager – Signature: 

Product Manager – Contact: [ptischer@imshome.com](mailto:ptischer@imshome.com)

### **Schneider Electric Motion USA**

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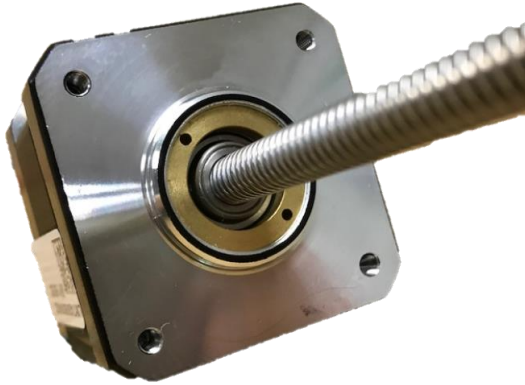
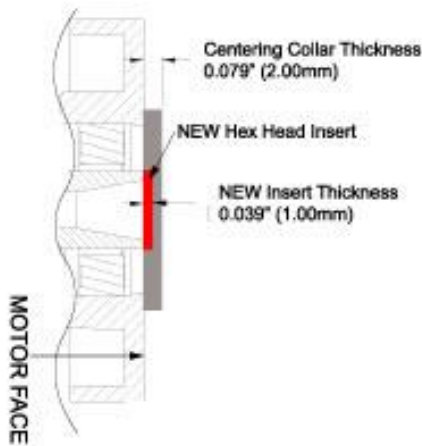


Figure 1: External Linear Actuator with Old Insert Design

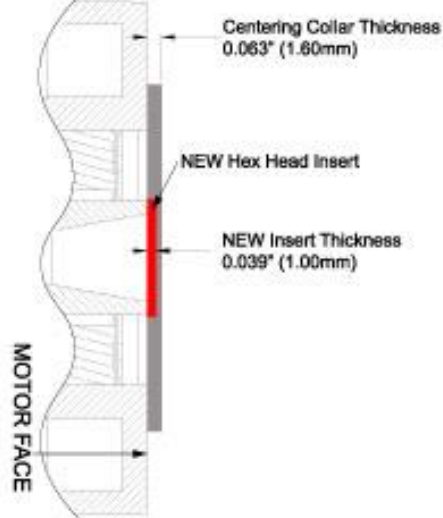


Figure 2: External Linear Actuator with New Insert Design

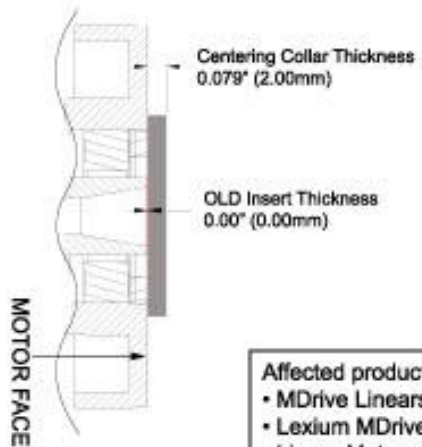
**NEW INSERT - NEMA17&14 MOTORS**



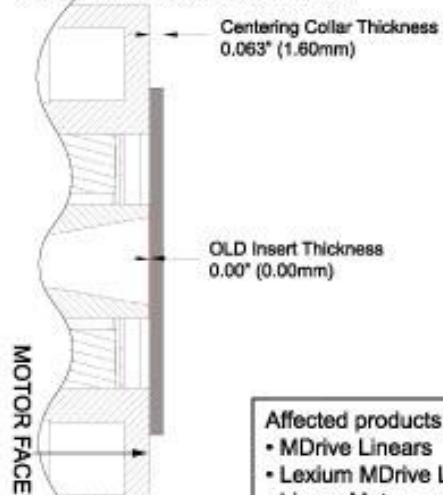
**NEW INSERT - NEMA23 MOTOR**



**OLD INSERT - NEMA17&14 MOTORS**



**OLD INSERT - NEMA23 MOTOR**



**Affected products:**

- MDrive Linears
- Lexium MDrive Linears
- Linear Motors

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Figure 3: Dimension Variation from Old Insert Design to New Insert Design

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*Figure 4: NEMA 23 and NEMA 17 LMD with New Insert Design*



*Figure 5: NEMA 14, 23, and 17 MDrive (from left to right) with New Insert Design*