

# DESIGN GUIDE

## CABINETS INTERIOR - LATCH INSTALLATION

BG-7700-01-04-17

Rev. E



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## 1. CABINETRY

### 1.1 LATCH INSTALLATION

The installation and cutout for the three (3) different styles of latches the customer can choose from on the Global7000/G8000 is identical.

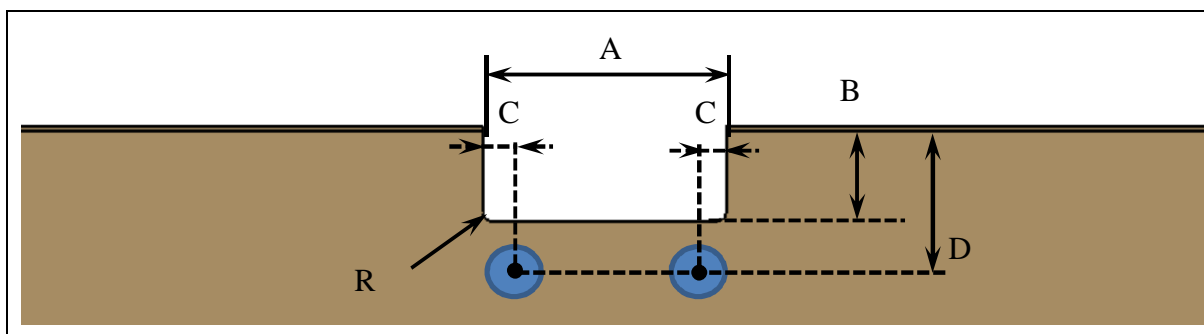
#### 1.1.1 One-Point Latch

One-point latches are used on drawers and they are installed with two (2) inserts TYE2001A08-14BRX97 and two (2) screws 90471A270. Back plate and handle are assembled together with two (2) screws 90471Axxx. Dimensions for cutout and inserts location are as per [Table 1](#).

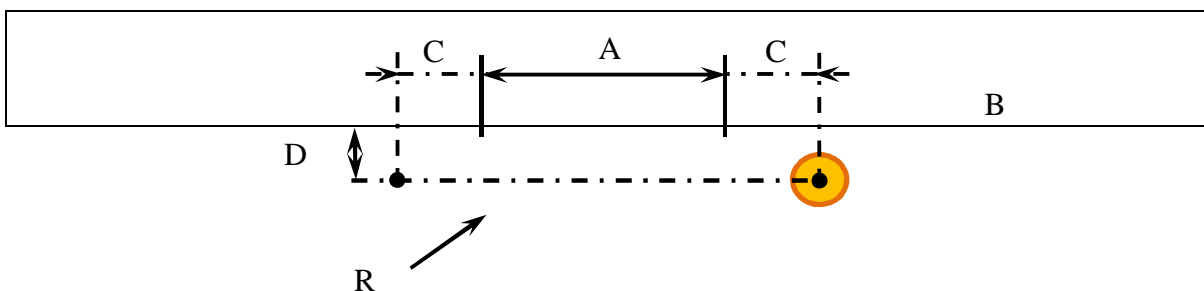
Dimension	Value	Comments
A	4.12"	Latch must be centered on drawer facade
B	1.535" *	Make sure latch is flush with edge trim
C	0.185"	Square back plate S-1344-400-XXXX
D	2.285"	
C	0.75"	Narrow back plate S-1344-402-XXXX
D	1.00" *	
R		See Design Guidelines <a href="#">BG-7700-01-05</a>

\* dimension from finish

**TABLE 1 – ONE-POINT LATCH CUTOUT DIMENSION**



**FIGURE 1 – ONE-POINT LATCH CUTOUT WITH SQUARE BACKPLATE IN FAÇADE OF EXPOSED DRAWER**



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**FIGURE 2 – ONE-POINT LATCH CUTOUT WITH NARROW BACKPLATE IN FAÇADE OF EXPOSED DRAWER**

For aesthetic purposes, screw 90471A255 (Zinc plated) need to be used to assemble together the latch and the back plate.

### 1.1.2 Two-Point Latch

Two-point latches are used on large doors such as wardrobe and they are made of several parts:

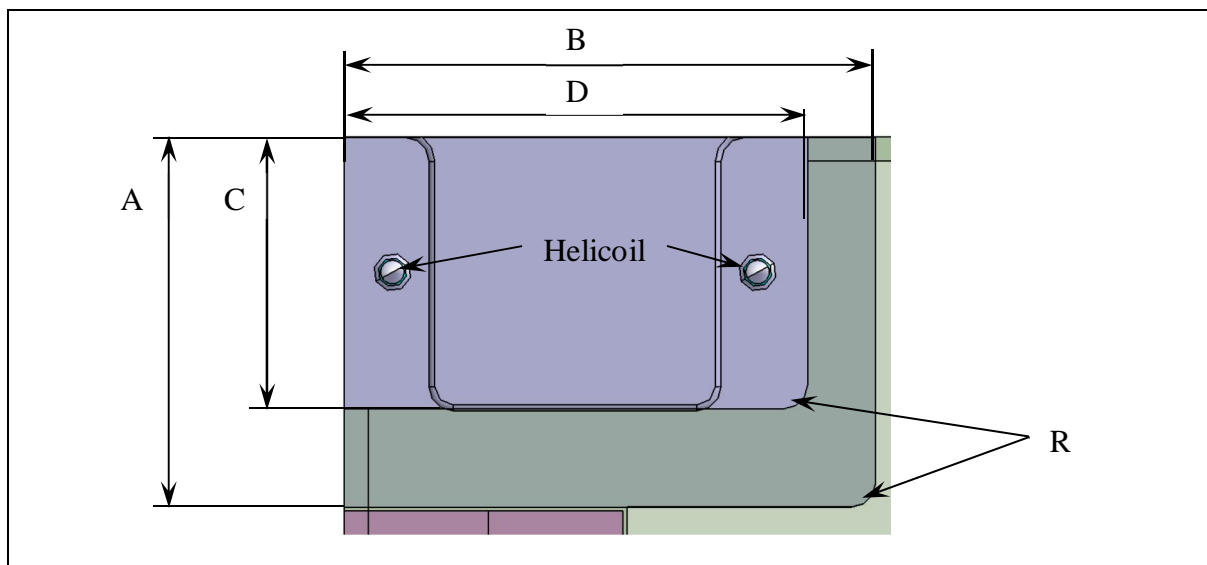
- One (1) latch: SAM40-10 and one (1) back plate: S-1344-401
- Two (2) housing (S-4001-8x or S-4001-14x, x is L for left or R for right)
- Two (2) blocks for housing made of 0.5in thick plate BAMS 860-001.
- Two (2) rods S9058

To install a two-point latch, four cutouts are needed: one (1) for each housing, one (1) for the handle and two (2) for the rods. Cutouts to install a two-point latch should follow dimensions as indicated in [Table 2](#) and [Figure 3](#) for the lower and upper latch as well as [Table 3](#) and [Figure 4](#) for the handle.

Dimension	Value	Comments
A	1.92"	For housing S-4001-8x
B	2.763"	
C	1.40"	
D	2.40"	
R	0.125"	

**TABLE 2 – TWO-POINT LATCH CUTOUT DIMENSION, LOWER & UPPER LATCH**

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**FIGURE 3 – TWO-POINT LATCH CUTOUT, UPPER LATCH**

Blocks for housing – bonded to panel per [BAPS 700-003](#) Type 3 – have two (2) helical coils MS21209C0615L installed in order to connect the housings.

Dimension	Value	Comments
E	6.14"	
F	4.2"	Centered with E
G	1.525" *	Make sure latch is flush with edge trim
* dimension from finish		

**TABLE 3 – TWO-POINT LATCH CUTOUT DIMENSION, HANDLE**



**FIGURE 4 – TWO-POINT LATCH CUTOUT, HANDLE**

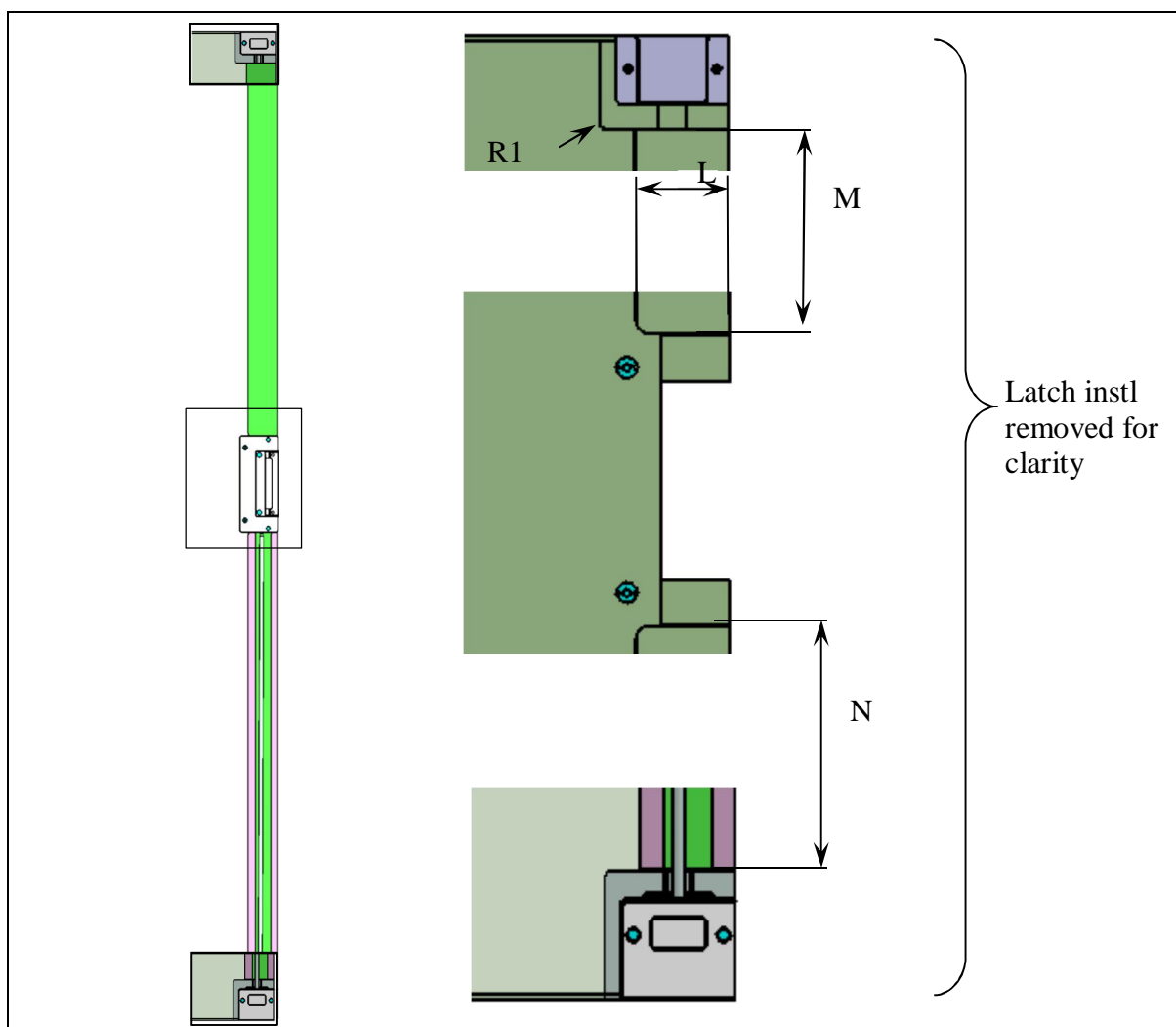


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To install the rods, panel core needs to be removed according to [Table 4](#) and [Figure 5](#), skins must remain as part of the panel.

Dimension	Value	Comments
L	2"	
M & N		Running from handle cut-out to latch cut-out
R1	0.25"	

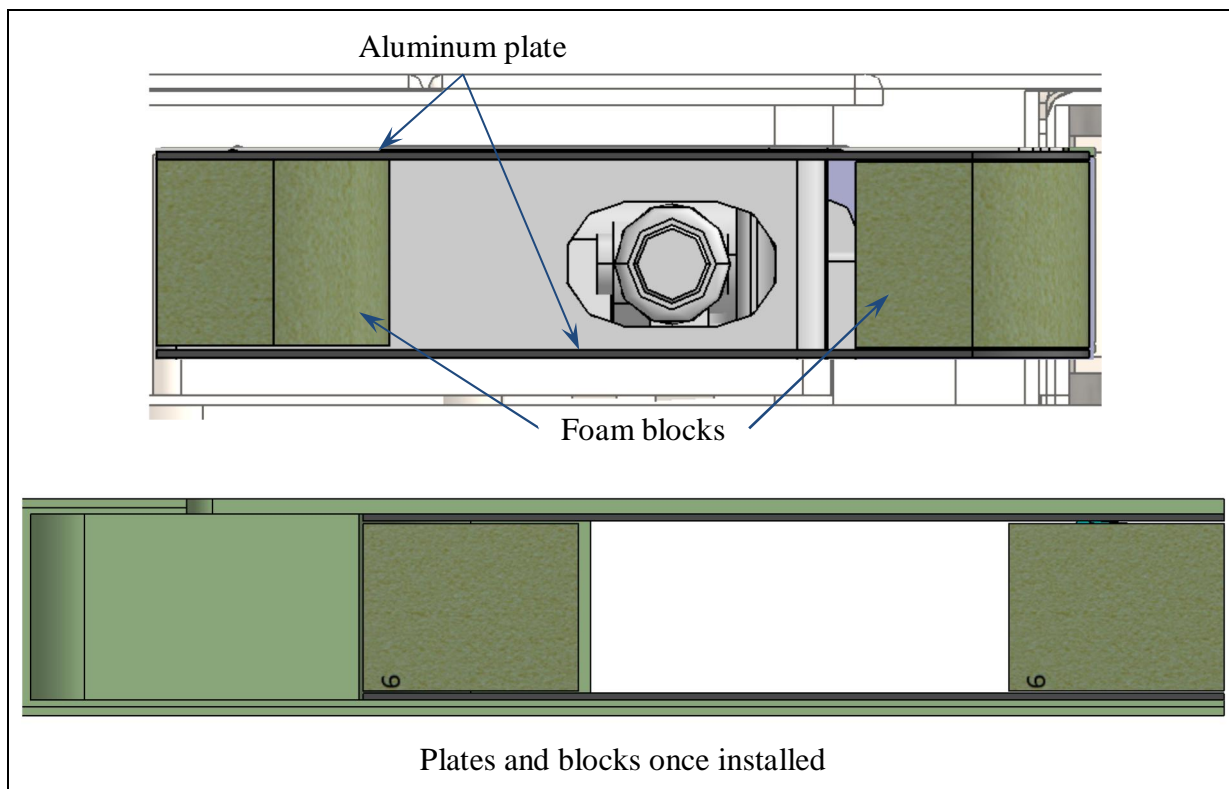
**TABLE 4 – TWO-POINT LATCH CUTOUT DIMENSION, ROD**



**FIGURE 5 – TWO-POINT LATCH CUTOUT, ROD – VIEW FROM TOP OR BOTTOM PANEL EDGE**

Two (2) [BAMS 831-001](#) Type 6 foam blocks and two (2) aluminum 2024 T3 plate – thickness 0.016in – are installed on each cutout to create the needed space for the rods as shown in [Figure 6](#) (upper picture). Foam blocks are bonded to aluminum plates per [BAPS 700-003](#) Type 3 and those aforementioned aluminum plates are bonded to the panel skins per [BAPS 700-003](#) Type 3.

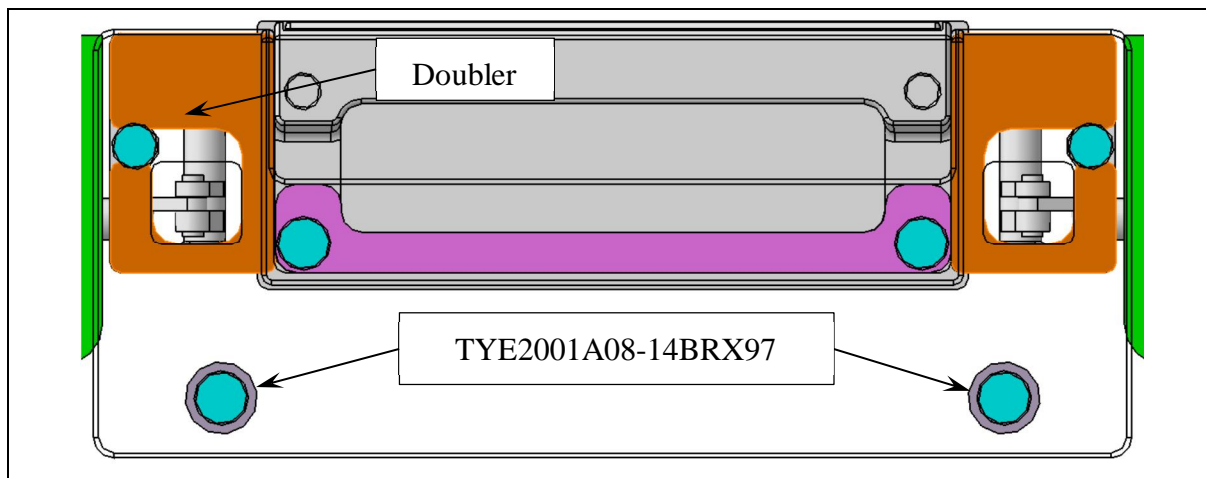
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**FIGURE 6 – ALUMINUM PLATE AND FOAM BLOCK IN ROD CUTOUT**

Due to the mechanism of the two-point latch, two (2) doublers – see [Figure 6](#) – made of foam [BAMS 832-001](#) Type3 (G25013276) are request to adjust the latch position inside the door. Those two doublers are bonded to door panel as indicated in Design Guidelines [BG-7700-01-04-06](#).

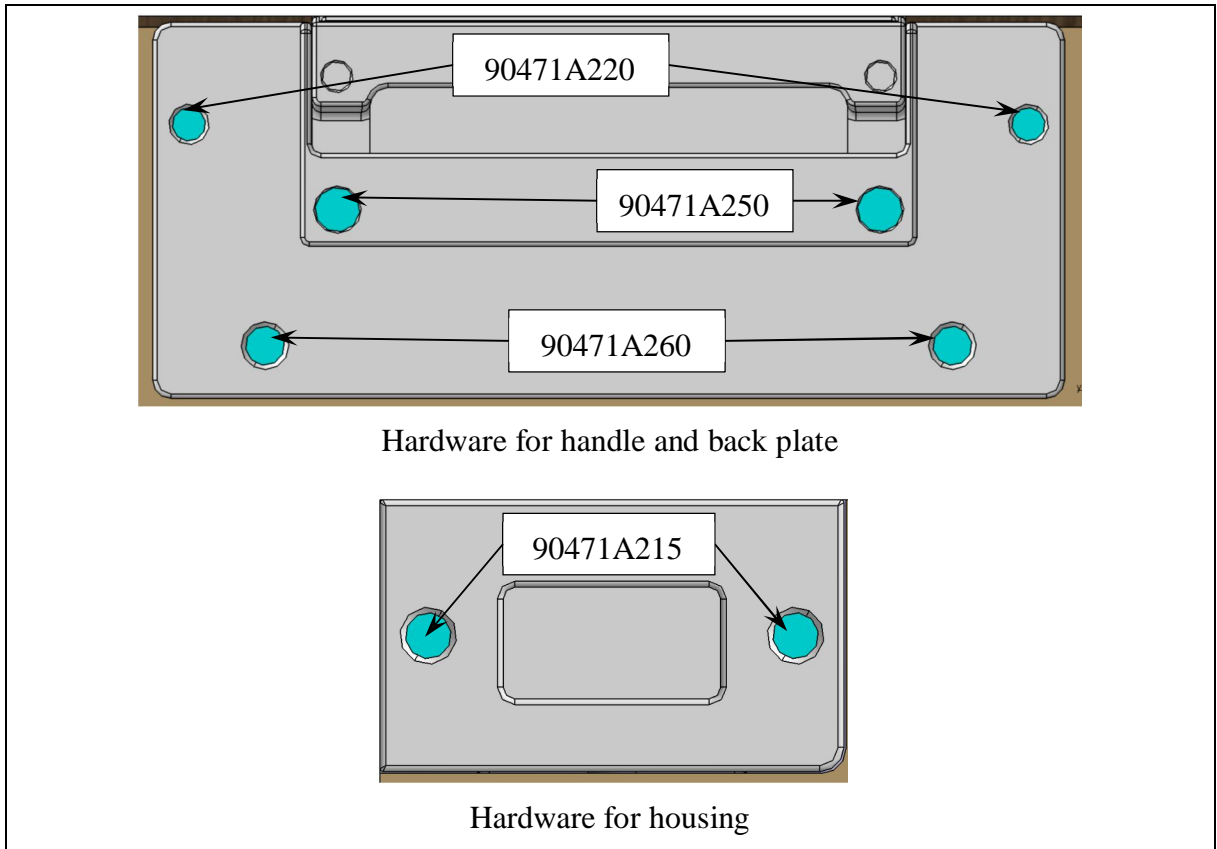
Two (2) inserts TYE2001A08-14BRX97 are used to attach handle with panel.



**FIGURE 7 – HARDWARE FOR TWO-POINT LATCH**

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In order to complete the two-point latch installation, six (6) screws 90471A are requested. The same reference is requested to ensure a uniform finish once plated but length different depending location as shown in [Figure 8](#).

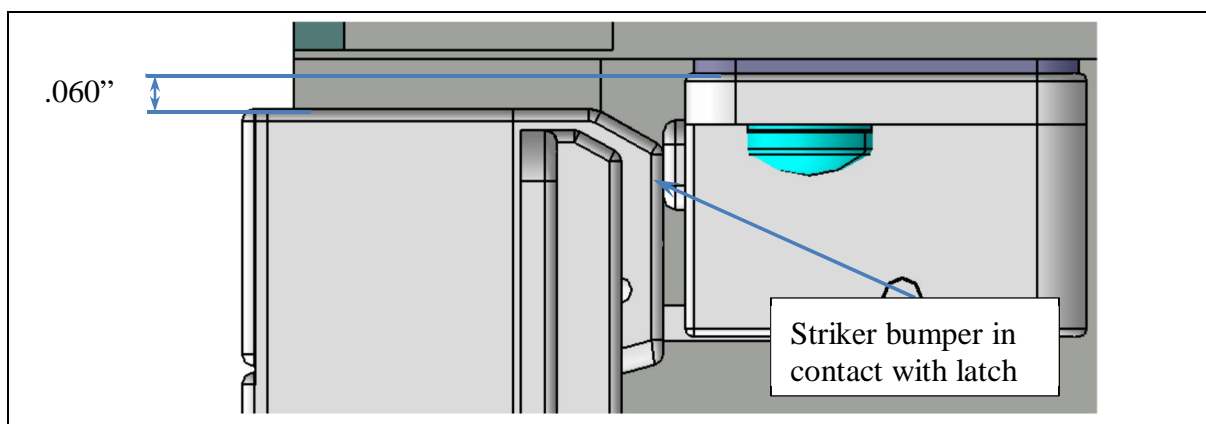


**FIGURE 8 – HARDWARE FOR TWO-POINT LATCH BACKPLATES**

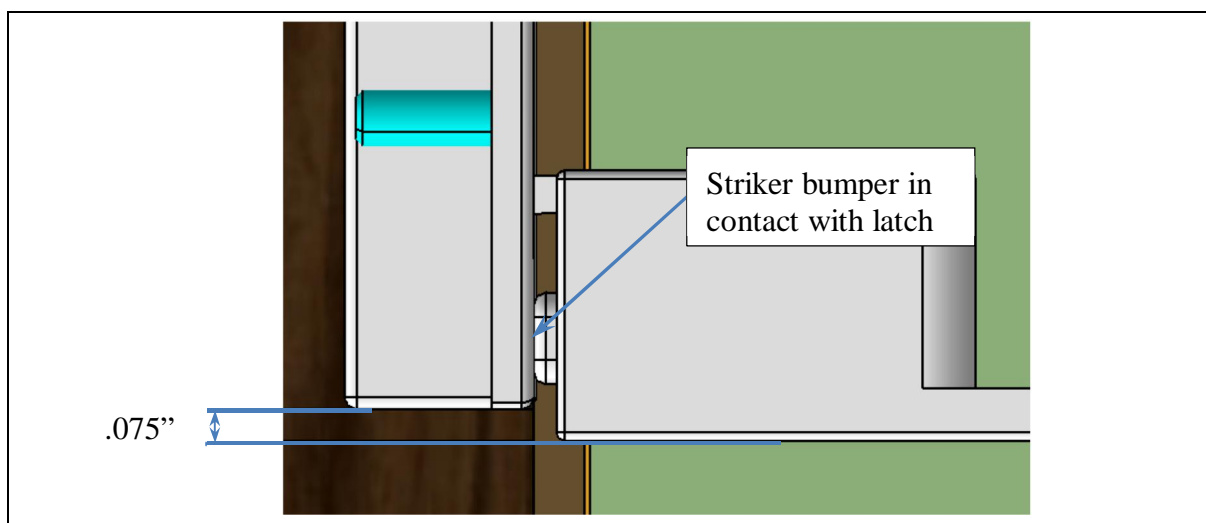
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### 1.1.3 Striker

The striker works with a latch to retain either a door or drawer in position. Therefore, the striker position in regard to the latch is important. For strikers SAM40-3 and SAM40-4, the installation is as shown in [Figure 9](#) for a one-point latch and [Figure 10](#) for a two-point latch.



**FIGURE 9 – STRIKER SAM40-3 OR SAM40-4 WITH ONE-POINT LATCH**



**FIGURE 10 – STRIKER SAM40-3 OR SAM40-4 WITH TWO-POINT LATCH**

Strikers are installed by using either two (2) screws NAS8202, two (2) washers NAS620A8L and either two (2) inserts TYE2001A08 or two (2) helical coils MS21209C08 depending if the striker is installed directly on a panel or if an additional inserted part is requested. Position of the hardware should allow adjustment in both direction for door or drawer flushness.