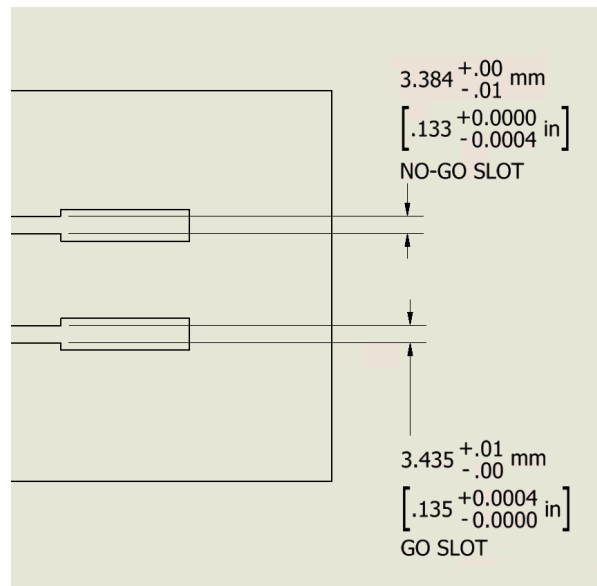


## 2S Go/No-Go Bridge Gauge SOP

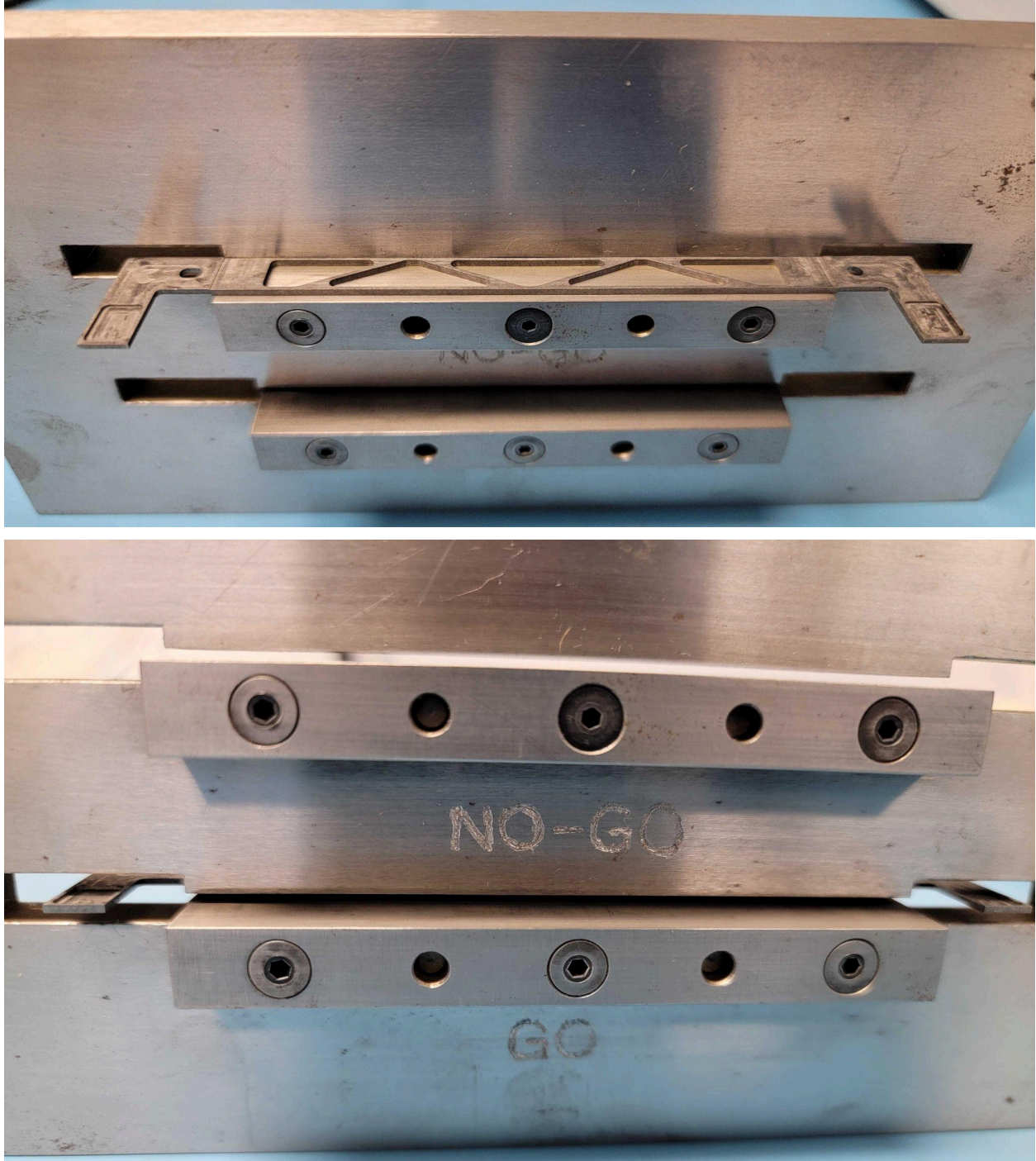
The go/no-go gauge consists of a plate of 4140 multipurpose alloy steel with two gaps. The 2S main bridges are passed through these two gaps to determine if their thickness is within specification. The two gaps, “No-Go” and “Go”, for the 4mm gauge are 3.384mm and 3.435mm wide, respectively. The 1.8mm gauge has gaps of 1.184mm and 1.235mm, respectively.

A main bridge within specification should completely pass through the “Go” slot and should not pass through the “No-Go” slot. Additionally, a shelf is placed in front of each gap that assists in orienting a main bridge through the slots.



**Figure 1: 2S 4mm Main Bridge Go/No-Go Gauge schematic showing the specified gap sizes**

## 2S Go/No-Go Bridge Gauge SOP



**Fig 2: A bridge that is within specifications - 1.8mm main bridge should not pass through the no-go slot (top) and should pass completely through the go slot (bottom)**