

PP-MP0225: YZ Idler

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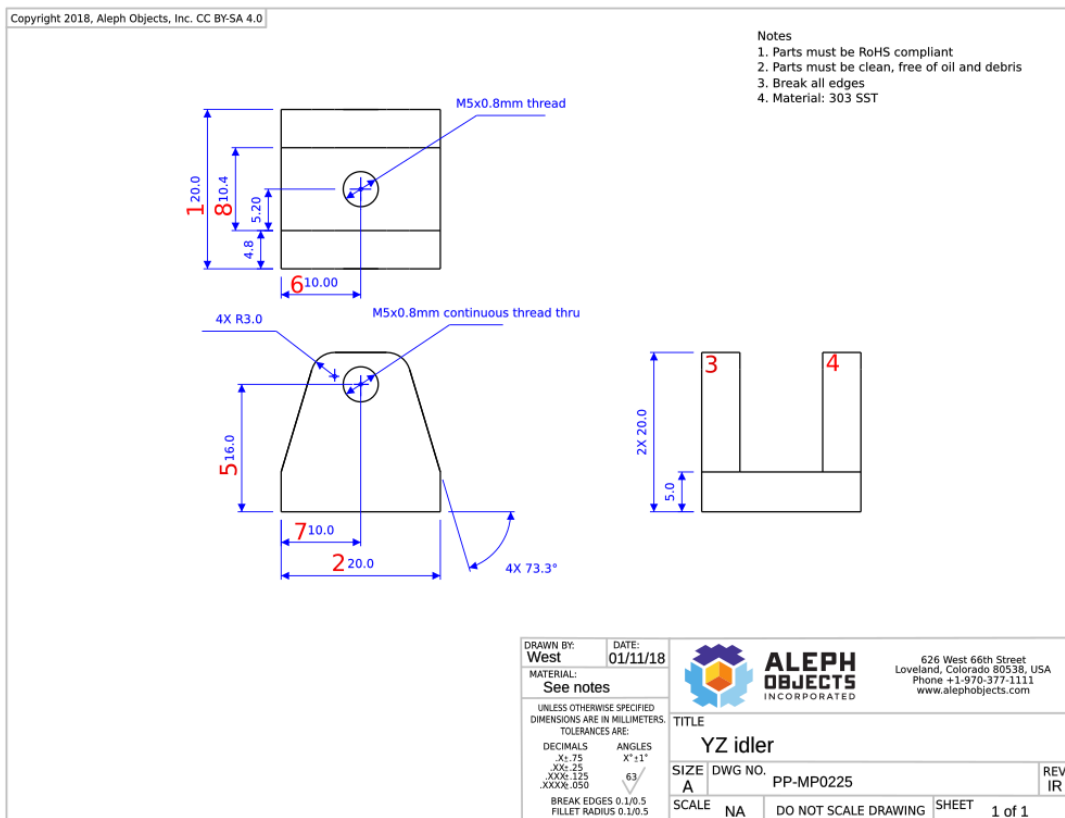


Figure 1: Schematic of PP-MP0225.

1 Dimension 1, 2, 3, & 4



(a) Dimension 01



(b) Dimension 02



(c) Dimension 03

Using a micrometer to measure dimension 1 across the part as seen Figure [2a]. Take note of the tolerance $\pm 0.75\text{mm}$, making the lower control limit 19.25mm and the upper control limit 20.75mm . This will be the same process for dimensions 2, 3 and 4 as well.

2 Dimension 5 & 6



Figure 3: Dimension 05

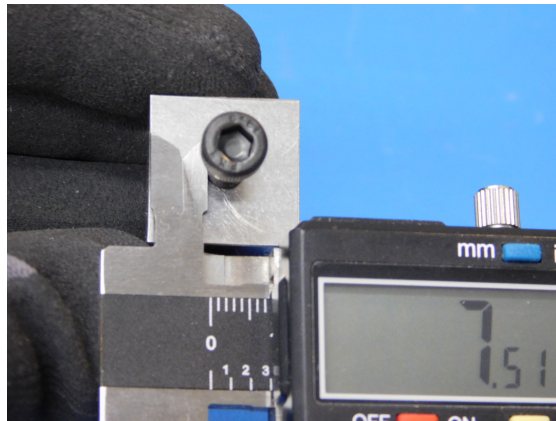


Figure 4: Dimension 06

We will need to measure to the center of the hole, to that we will take a M5 screw, [HD-BT0175], and measure from the bottom of the part to the bottom of the screw, as seen in Figure [3]. Keep in mind that the given dimension we will be measuring is the given minus the radius of the hole. The dimension compared will be $13.5\text{mm} \pm 0.75$. Dimension 6 will have the same process except it will be compared to $7.5\text{mm} \pm 0.75$.

3 Dimension 08

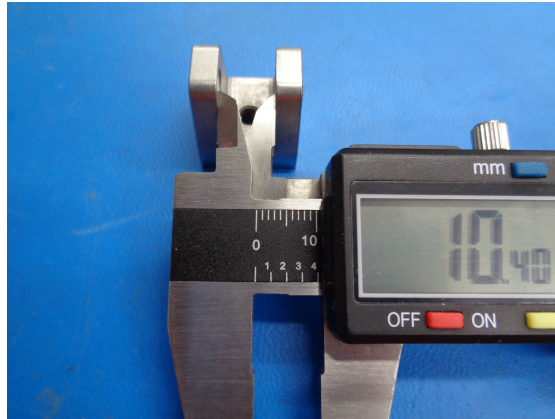


Figure 5: Dimension 08

Using a set of calipers, measure the inside distance across the sides as shown in Figure [5]. This is compared to $10.4\text{mm} \pm 0.75\text{mm}$, with a lower control limit of 9.65mm and an upper control limit of 11.15mm .