

$d_{\text{in}} \approx 1 \text{ mm}$ as shown in Table 2.

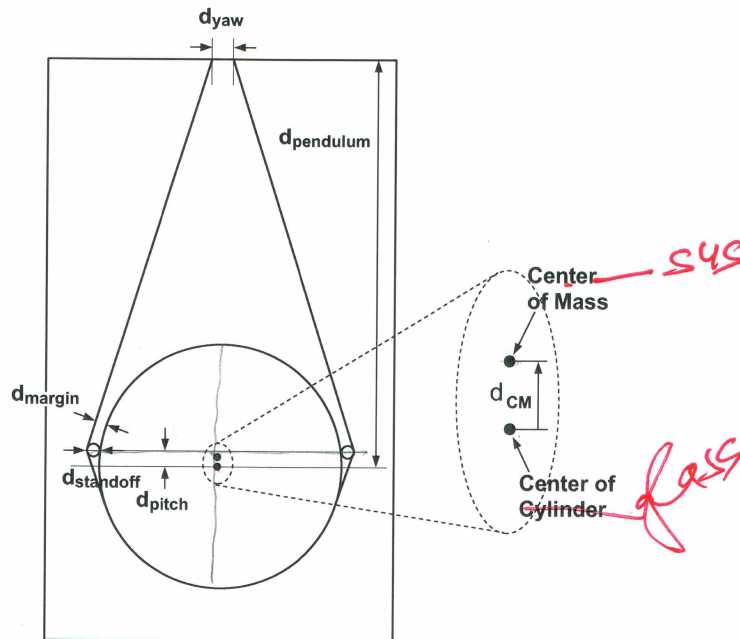


Figure 2: Sketch of the suspension configuration with the definition of parameters.

Table 2: Parameters of the SOS suspension configuration.

<i>Parameters</i>	<i>Values</i>
Pendulum Frequency	1.0 Hz
Pitch Frequency	0.75 Hz
Yaw Frequency	0.85 Hz
d_{pendulum}	24.8 cm
d_{CM}	0 mm
d_{pitch}	0.9 mm
d_{yaw}	15.7 mm
d_{standoff}	$\phi 1.0 \text{ mm}$
d_{margin}	0.8 mm