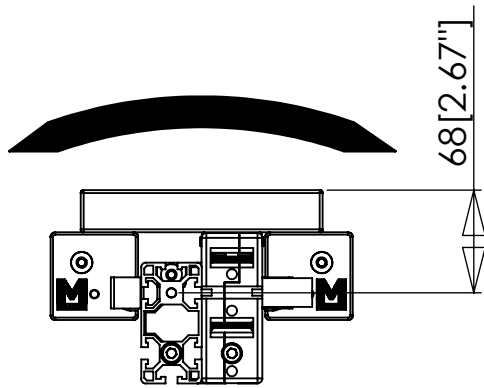
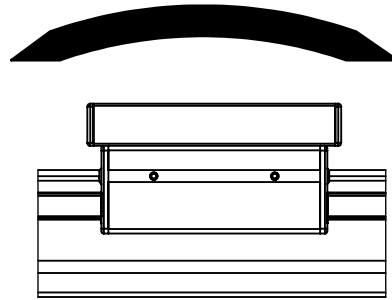


MOMENT LOADING FOR THE MSA-14S ACTUATOR

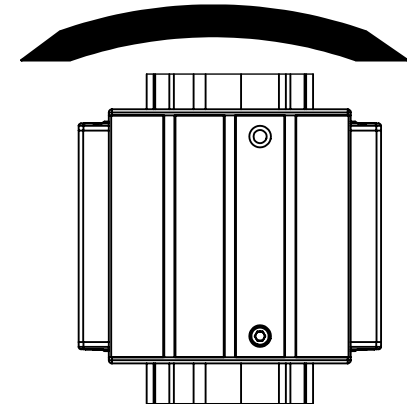
(CALCULATED FROM THE CENTERLINE OF THE GUIDE RAILS)



M_x (static) = 182 in-lbs, 20 Nm.
 M_x (dynamic) = 292 in-lbs, 33 Nm.



M_y (static) = 131 in-lbs, 15 Nm.
 M_y (dynamic) = 209 in-lbs, 23 Nm.



M_z (static) = 442 in-lbs, 50 Nm.
 M_z (dynamic) = 708 in-lbs, 80 Nm.



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