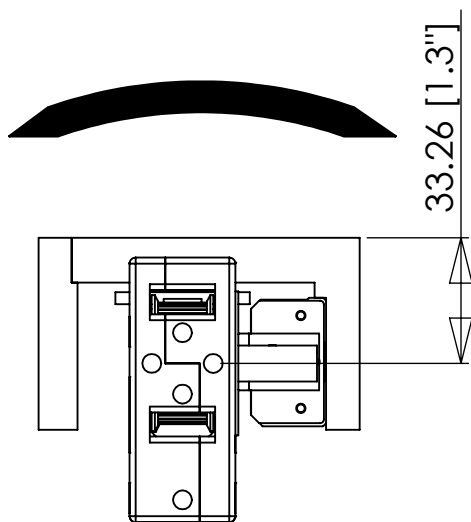
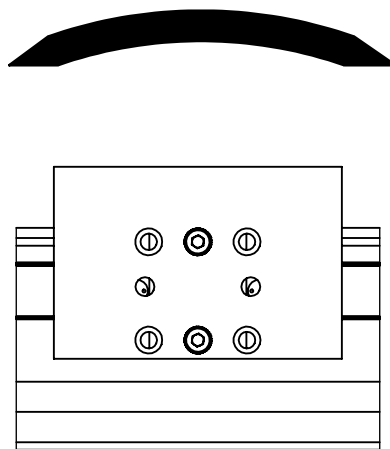


# MOMENT LOADING FOR THE MSA-R15 ACTUATOR

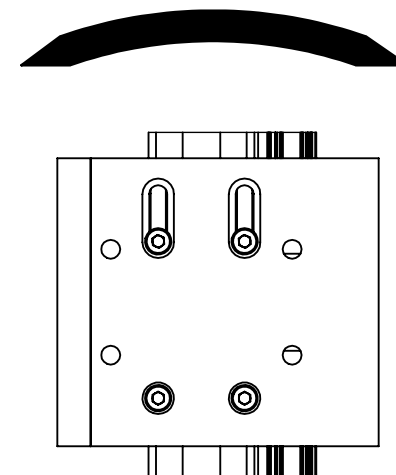
(CALCULATED FROM THE CENTERLINE OF THE GUIDE RAIL)



$M_x$  (static) = 575 in-lbs, 65 Nm.  
 $M_x$  (dynamic) = 327 in-lbs, 37 Nm.



$M_y$  (static) = 309 in-lbs, 35 Nm.  
 $M_y$  (dynamic) = 177 in-lbs, 20 Nm.



$M_z$  (static) = 309 in-lbs, 35 Nm.  
 $M_z$  (dynamic) = 177 in-lbs, 20 Nm.



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