



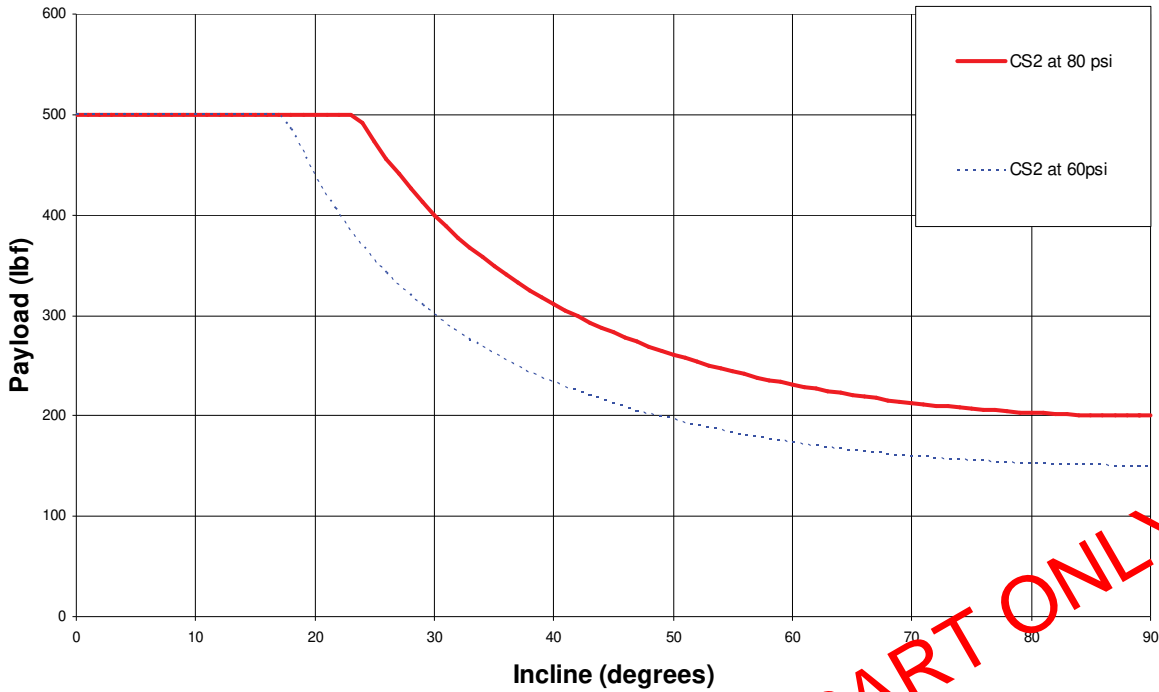








## Rail Slide Load-Incline Capacity

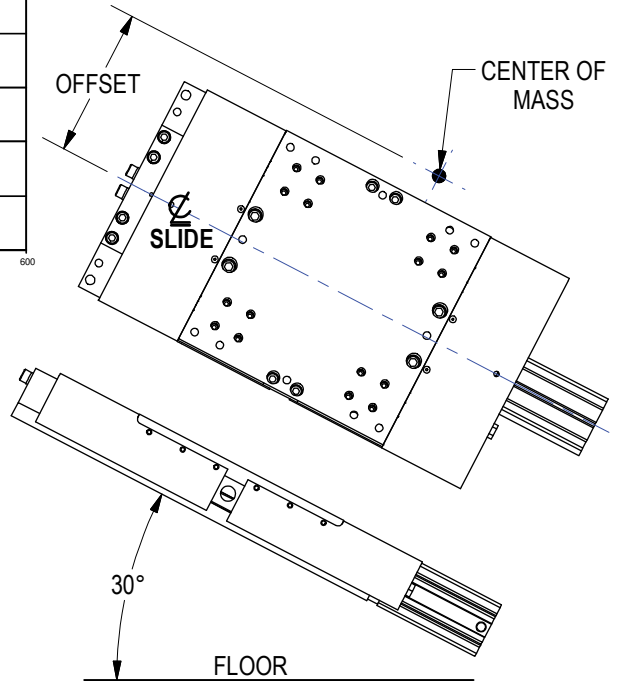


Rail Slide Load-Moment Capacity



Applications are evaluated in two separate calculations: payload and moment load. An approvable application meets both criteria. For applications outside the graph safety zone, contact Welker.

AVAILABLE AS SERVICE PART ONLY



### Loading Example for CS2 Slide:

For an application with a 250 lbf (1.1 kN) payload, offset 8 inches and operating at a 30 degree incline, first verify if the payload falls inside the "Load-Incline" chart. The 250 lbf payload falls under the 60 psi curve at the 30° incline. This is an acceptable payload. Next, the center of mass, at 8" offset has an applied moment load of 2000 in-lbf. (226 N-m). Using the Moment-Load Capacity chart at 250 lbf, shows an allowable moment load of approx. 11,000 in-lbf (1243 N-m). The 2000 in-lb moment is less than the 11,000 allowable. This is an acceptable moment load. Note that the offset distance is the same regardless of the slide orientation to the floor.

(DO NOT SCALE DRAWING)

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