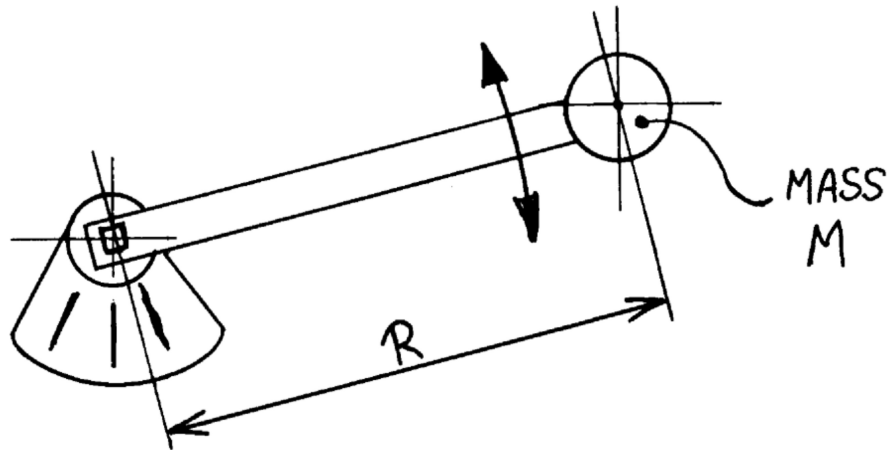


Title: METHOD FOR CALCULATION OF LIMITS ON EXTERNAL MOMENTS OF INERTIA ATTACHED TO ACTUATOR SHAFTS



Time for 90° travel = T (sec.)
 Moment of Inertia = I (kg m²)
 (for a mass M (kg) at radius R (m): I = MR²)

ACTUATOR MODEL	MAX. MOMENT OF INERTIA HITTING ACTUATOR STOPS (kg m ²)
0M	I = 0.004 T ²
01	I = 0.015 T ²
02	I = 0.033 T ²
03	I = 0.07 T ²
05	I = 0.13 T ²
07	I = 0.33 T ²
08	I = 0.50 T ²
09	I = 0.71 T ²
10	I = 1.0 T ²
12	I = 1.55 T ²
14	I = 4.0 T ²
15	I = 6.0 T ²
16	I = 8.0 T ²
18	I = 12.0 T ²
20	I = 12.0 T ²
30	I = 12.0 T ²

NOTE: 1. These figures are for guidance only.

2. If the moments of inertia given by the above formulae are exceeded, the actuator end stops must NOT be used to arrest movement of the load.