

Stroke?
Operating Pressure?
Operating speed? (Time to travel the stroke length?)
Actuator mounting condition? Parallel, Wall, Ceiling, or Vertical? (see illustration)
The distance of the center of mass of the load on the X,Y, and Z axis from the center top of the carriage?
Lx=
Ly=
Lz=
Weight of the tooling?
Weight of work piece?
If actuator is to be operated in conjunction with a conveyor, set of external linear bearings, or it is subject to any other external forces, these items must be known in details (friction coefficient between load and conveyor surface, etc.)
A load diagram gives us a better idea of what forces will be acting on the actuator. The following formats are in preferential order:
1) SolidWorks
2) AutoCad
3) A hand drawn diagram complete with all dimensions.

