

**Sensor Model: 90M40T3**  
**Body Load Rating: 200L700**

**Overload Capabilities:**

All overload values are for no damage, no re-calibration required.

- Single Axis Loading:

Axis	Maximum Load (lb, in-lb)	Maximum Load (in terms of Full Scale)
F <sub>x</sub>	1000 lb	5.0* FS
F <sub>y</sub>	950 lb	4.7*
F <sub>z</sub>	4100 lb	10.2*
M <sub>x</sub>	3000 in-lb	4.3*
M <sub>y</sub>	3400 in-lb	4.8*
M <sub>z</sub>	2600 in-lb	3.7*

- Combined Loading:

Both equations must be satisfied at all times.

$$F_x/1100 + F_y/1700 + F_z/4100 + M_x/3000 + M_z/2600 \leq 1$$

$$F_x/1000 + F_y/950 + F_z/4100 + M_x/6000 + M_y/3400 + M_z/2600 \leq 1$$

**Approximate Stiffnesses (+/-20%):**

Axis	Stiffness
F <sub>x</sub>	0.17e6 lb/in
F <sub>y</sub>	0.17e6 lb/in
F <sub>z</sub>	1.6e6 lb/in
M <sub>x</sub>	1.7e6 in-lb/rad
M <sub>y</sub>	1.7e6 in-lb/rad
M <sub>z</sub>	0.52e6 in-lb/rad