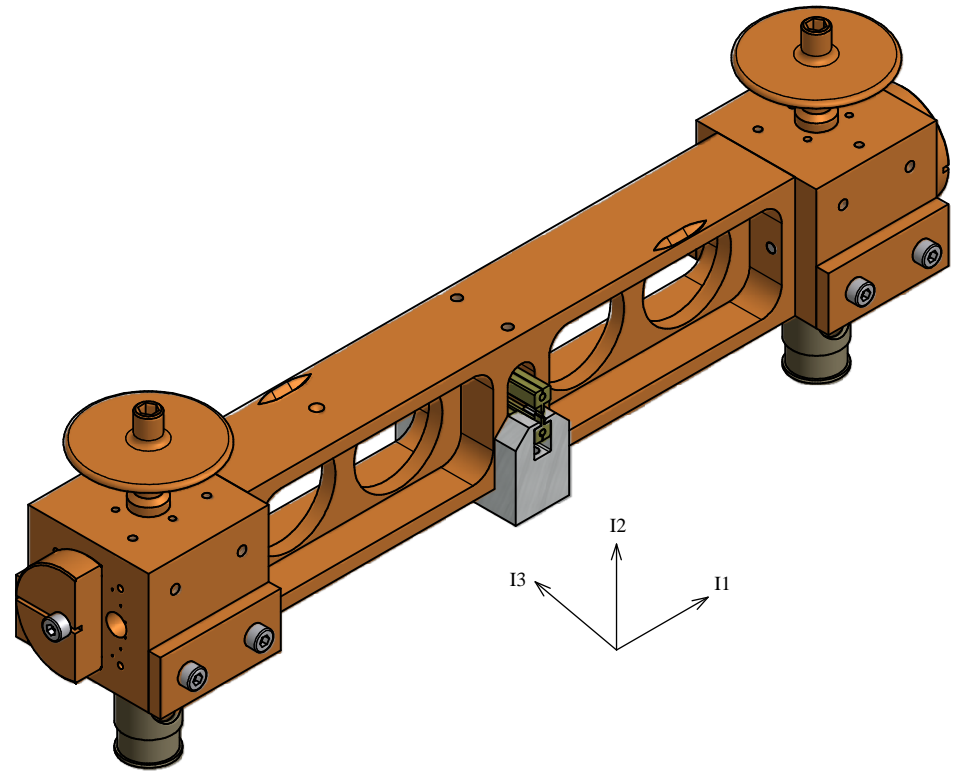


Ass1-Flexure  
 Capacitive readout  
 AC actuation (coil on frame);  
 use CW = 40.0  
 c.o.w. position = +0.021 mm  
 mass = 2.899 Kg  
 Moments of inertia:  
 I1= 1252,441 Kgmm<sup>2</sup>  
 I2= 34871,611 Kgmm<sup>2</sup>  
 I3= 35204,432 Kgmm<sup>2</sup>



Ass2-Flexure  
 Capacitive readout  
 DC actuation (magnet on frame);  
 use CW = 40.0  
 c.o.w. position = +0.081 mm  
 mass = 2.893 Kg  
 Moments of inertia:  
 I1= 1247,633 Kgmm<sup>2</sup>  
 I2= 34784,25 Kgmm<sup>2</sup>  
 I3= 35112,763 Kgmm<sup>2</sup>

|  |                               |          |
|--|-------------------------------|----------|
|  |                               |          |
|  |                               |          |
|  |                               |          |
|  | added moments of inertia      | 13-07-09 |
| ref.   | note                          | date     |
| modifications  |                               |          |
|  | DESIGNED FOR<br>R. De Salvo   |          |
|  | DRAWN BY<br>G. Gennaro-PROMEC |          |
| TITLE<br><b>TILTMETER</b><br>ASS. FLEXURE CAPACITIVE | DATE<br>14-06-08              |          |
|  | LIGO-D081019-01-D             |          |
|  | SCALE<br>1/1                  | A2       |