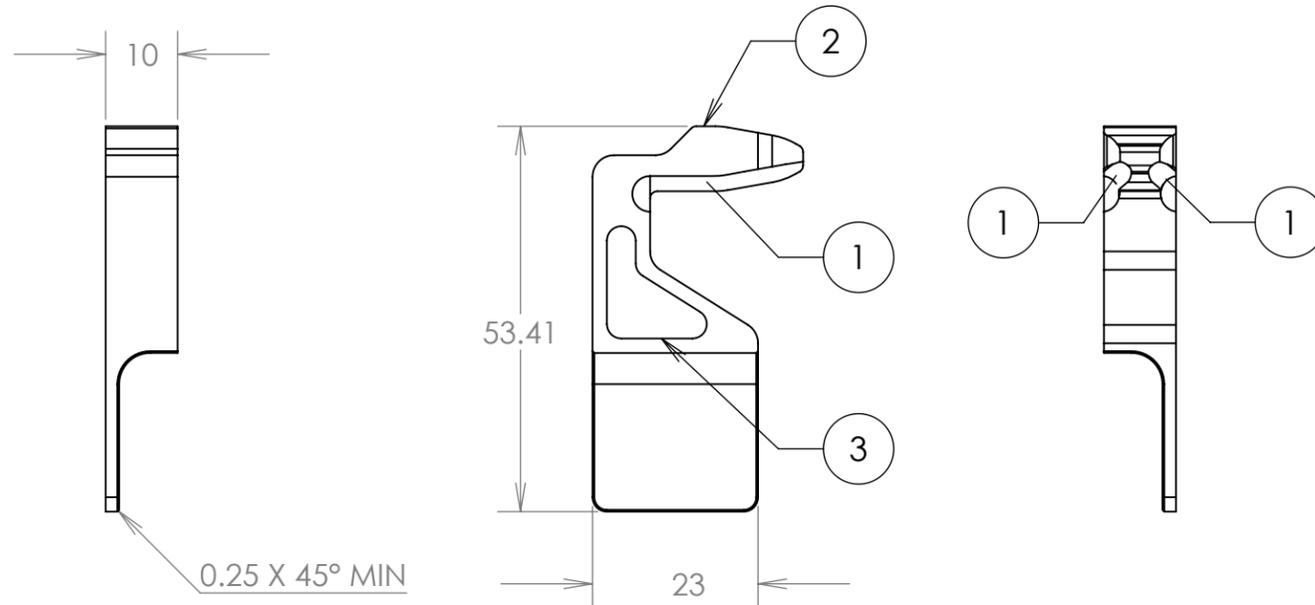
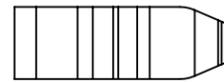
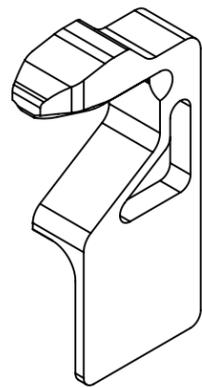
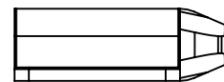


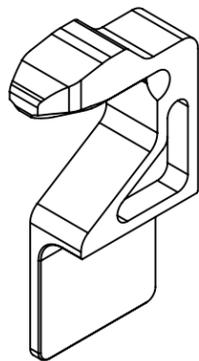
| REVISIONS | | | | |
|-----------|-----|-----|------------|---------------------------|
| REV | DWG | CHK | DATE | DESCRIPTION |
| 1 | JHS | JHS | 2011-06-10 | Initial drawing. |
| 2 | JHS | JHS | 2011-12-16 | Added lightening pockets. |



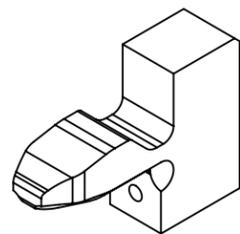
- ① indicates the two machined grooves in which the silicon nitride guide balls ride. $\sqrt{0.8}$ (um) or better here.
- ② indicates the top and bottom guide surfaces along which the spring contacts (see kin_spring.sldprt) ride. Best effort surface finish here with the wire edm.
- ③ is a lightening pocket on both sides.



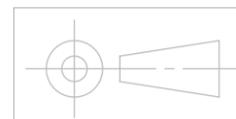
Configuration: North



Configuration: South (mirror of North)



Configuration: For test stand



| | |
|---|--------------------------|
| MATERIAL Ti 6Al-4V | |
| SURFACE TREATMENT | |
| DIMENSIONS IN MM. UNLESS OTHERWISE SPECIFIED: | |
| TOLERANCES | |
| X.X ± 0.5 | FRAC. ± 1/64 |
| X.XX ± 0.1 | ANGLES ± 1.00° |
| X.XXX ± 0.05 | FINISH $\sqrt{3.2}$ (um) |

ERNEST ORLANDO LAWRENCE BERKELEY NATIONAL LABORATORY
UNIVERSITY OF CALIFORNIA - BERKELEY

kin_hang_top

| | |
|-------------------|-----------------|
| DWG BY Joe Silber | DATE 2011-06-10 |
| CHK BY Joe Silber | DATE 2011-06-10 |
| APR BY Joe Silber | DATE 2011-06-10 |

THREADS ARE CLASS 2
CHAMFER ENDS OF ALL SCREW THREADS 30°
CUT ROUND, 1.5 THREAD RELIEF ON MACHINED THREADS
BREAK EDGES .016 MAX. ON MACHINED WORK
REMOVE BURRS, WELD SPLATTER & LOOSE SCALE
IN ACCORDANCE WITH ASME Y14.5M & B46.1

| | | | | | |
|-------------|--------------|---------------------|---------|--------|--------|
| SER NO. | SCALE: 1:1 | SHEET 1 OF 1 | | | |
| PROJECT NO. | PROJECT NAME | CATEGORY CODE | DWG NO. | SIZE B | REV. 2 |