

## **Points:**

**small rectangle on top of large rectangle**  
**small rectangle underneath the stepper motor**  
**if it has two samples it rotates 180 deg twice**  
**if it has 4 samples it rotates 90 deg 4 times**  
**keys = 22g**  
**car\_keys = 33g**  
**water = 21g**  
**ghee = 23g**  
**empty\_tupperware = 19g**  
**empty\_tupperware + water = 33g**

## **Rotational\_Base-1**

**Samples: 2**  
**Sample\_Weight\_1: 12g (ballbearing)**  
**Sample\_Weight\_2: 12g (ballbearing)**  
**Total\_Weight: 24g**  
**Support: no**

## **Rotational\_Base-2**

**Samples: 2**  
**Sample\_Weight\_1: 33g (car\_keys)**  
**Sample\_Weight\_2: 31g (ghee + 24teeth)**  
**Total\_Weight: 64g**  
**Support: yes (rubber+paper)**

### **Rotational\_Base-3**

**Samples: 2**

**Sample\_Weight\_1: 23g (ghee)**

**Sample\_Weight\_2: 33g (empty\_tupperware + water)**

**Total\_Weight: 66g**

**Support: yes (rubber+paper)**

### **Rotational\_Base-4**

**Samples: 4**

**Sample\_Weight\_1: 33g (car\_keys)**

**Sample\_Weight\_2: 21g (water)**

**Sample\_Weight\_3: 23g (ghee)**

**Sample\_Weight\_4: 33g (empty\_tupperware + water)**

**Total\_Weight: 110g**

**Support: yes (rubber+paper)**

### **Rotational\_Base-5**

**Samples: 4**

**Sample\_Weight\_1: 33g (car\_keys)**

**Sample\_Weight\_2: 21g (water)**

**Sample\_Weight\_3: 23g (ghee)**

**Sample\_Weight\_4: 33g (empty\_tupperware + water)**

**Total\_Weight: 110g**

**Support: no**

## **Rotational\_Base-6**

**Samples: 4**

**Sample\_Weight\_1: 33g (car\_keys)**

**Sample\_Weight\_2: 21g (water)**

**Sample\_Weight\_3: 23g (ghee)**

**Sample\_Weight\_4: 33g (empty\_tupperware + water)**

**Total\_Weight: 110g**

**Support: no**

## **Rotational\_Base-7**

**Samples: 2**

**Sample\_Weight\_1: 23g (ghee)**

**Sample\_Weight\_2: 21g (water)**

**Total\_Weight: 44g**

**Support: no**

## **Rotational\_Base-8**

**Samples: 4**

**Sample\_Weight\_1: 30g (other)**

**Sample\_Weight\_2: 33g (keys)**

**Sample\_Weight\_3: 23g (ghee)**

**Sample\_Weight\_4: 33g (empty\_tupperware + water)**

**Total\_Weight: 119g**

**Support: yes (other+ball-bearings)**

## **Rotational\_Base-9**

**Samples: 4**

**Sample\_Weight\_1: 23g (ghee)**

**Sample\_Weight\_2: 33g (empty\_tupperware + water)**

**Sample\_Weight\_3: 4g (two rectangle)**

**Sample\_Weight\_4: 5g (two lid box + 10 teeth)**

**Total\_Weight: 65g**

**Support: yes (other+ball-bearings)**

## **Rotational\_Base-10**

**Samples: 4**

**Sample\_Weight\_1: 23g (ghee)**

**Sample\_Weight\_2: 33g (empty\_tupperware + water)**

**Sample\_Weight\_3: 4g (two rectangle)**

**Sample\_Weight\_4: 5g (two lid box + 10 teeth)**

**Total\_Weight: 65g**

**Support: yes (other+ball-bearings)**

## **Rotational\_Base-11**

**Samples: 2**

**Sample\_Weight\_1: 13g (ballbearing + stick)**

**Sample\_Weight\_2: 16g (others)**

**Total\_Weight: 29g**

**Support: yes (other+ball bearings+wallet)**

## **Rotational\_Base-12**

**Samples: 4**

**Sample\_Weight\_1: 23g (ghee)**

**Sample\_Weight\_2: 24g (two ballbearings + stick)**

**Sample\_Weight\_3: 21g (water)**

**Sample\_Weight\_4: 33g (empty\_tupperware + water)**

**Total\_Weight: 101g**

**Support: yes (rubber+paper)**

## **Rotational\_Base-13**

**Samples: 4**

**Sample\_Weight\_1: 23g (ghee)**

**Sample\_Weight\_2: 21g (water)**

**Sample\_Weight\_3: 24g (two ballbearings + stick)**

**Sample\_Weight\_4: 26g (others)**

**Total\_Weight: 94g**

**Support: no**

## **Rotational\_base-14**

**Samples: 2**

**Sample\_Weight\_1: 80g (water)**

**Sample\_Weight\_2: 80g (water)**

**Total\_Weight: 160g**

**Support: yes (rubber + paper)**