

## Building with the myRIO Robotics Kit

### Square Headed Bolts:

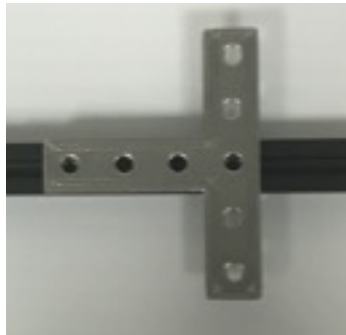


Slide square headed bolt  
into maker beam slot

Attach desired part

Fasten with M3 Nut

### T-Slot Nuts:



Slide T-Slot Nut  
into makerBeam  
slot

Line up desired  
part

Fasten using M3  
Fastener

### Attaching LEGOs:

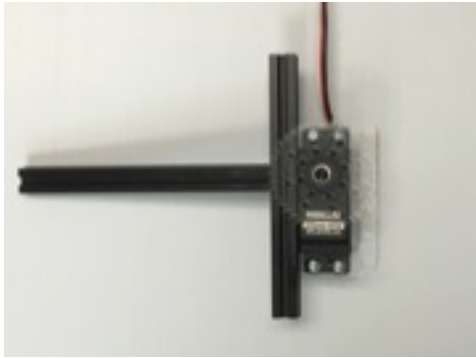


Insert square head  
bolts

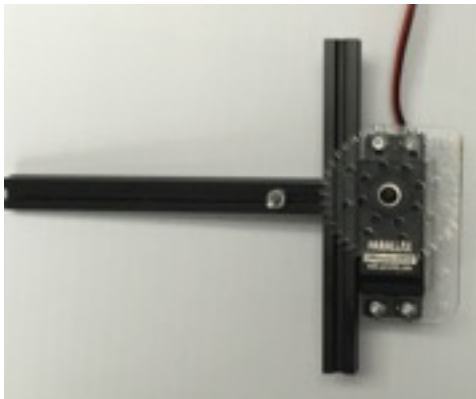
Attach technic beam with  
M3 Nuts

Build with LEGO!

## Gears:



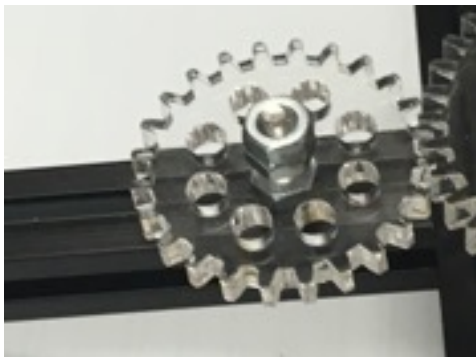
**Step 1:** Attach servo gear to servo motor using a washer and servo screw.



**Step 2:** Use a square headed bolt as an axle and lock down using an M3 Bolt.



**Step 3:** Place rotating gear over bolt and secure with M3 Nut. Make sure the gear can still rotate.



**Step 4:** Use second M3 Nut to lock first M3 Nut in place to avoid loosening when gear rotates

Lock bottom nut to top nut to prevent loosening when gear spins

