

# Scavenger Drive 2.0 Bill of Materials

## Aluminum Plates

### **DXF Files - Cut using Aluminum 5052 .125 Thickness**

Ensure you have the latest and greatest DXF files.

Note: the included top bracket where the ankle will attach is currently designed to match up with Baddeley Remixed 3D Printed Foot Shells.

## Drive Parts

### **Robot Market Place**

2 X [4 Inch BattleKit Robot Wheel - 19-Tooth Sprocket](#)

### **Vex Robotics**

2 X [3.25" Omni-Directional Wheel](#)

1 X [#35 Roller Chain \(10'\)](#)

### **Amazon**

2 X [AmpFlow E30-150 Brushed Electric Motor, 12V, 24V or 36 VDC, 5600 RPM](#)

2 X [Jeremywell #35 Roller Chain Sprocket B Type 1/2" Bore 10 Tooth](#)

### **Home Depot**

4 X [1/2 in. Zinc-Plated Cut Washer](#)

14 X [3/8 in.-16 x 3-1/2 in. Zinc Plated Hex Bolt](#)

2 X [3/8 in.-16 Zinc Plated Nylon Lock Nut \(10-Pack\)](#)

1 X [3/8 in. Stainless Steel Flat Washer \(3-Pack\)](#)

**AluminumSpacer.Com** Note : the website is wonky sometimes it's best to check out as a guest or if you have issues contact Brenda.

**For those of you who want the spacers converted to mm** <----Click Here----

4 X [Aluminum Spacer 1/2 OD x .382 ID x 1-1/2 Long](#)

6 X [Aluminum Spacer 1/2 OD x .382 ID x 1.000 Long](#)

4 X [Aluminum Spacer 1/2 OD x .382 ID x 7/16 Long](#)

6 X [Aluminum Spacer 1/2 OD x .382 ID x 13/16 Long](#)

4 X [Aluminum Spacer 1/2 OD x .382 ID x 11/16 Long](#)

4 X [Aluminum Spacer 1/2 OD x .382 ID x 1-3/16 Long](#)

4 X [Aluminum Spacer 3/4 OD x .509 ID x 7/16 Long](#)

2 X [Aluminum Spacer 3/4 OD x .509 ID x 7/32 Long](#)

### **McMaster-Carr**

[Alternate place to Buy Spacers](#)

## **Center Foot Parts**

### **Vex Robotics**

2 X 1.125" Bearing Pilot Plastic VersaHub (1/4" Wide, w/ Plate Sprocket Mount)

4 X 4" Omni-Directional Wheel v2

4 X 0.500" ID x 1.125" OD x 0.313" WD (Flanged Bearing) • \$2.99 SKU#: 217-2731

### **Home Depot**

5 X 3/8 in.-16 x 4-1/2 in. Zinc Plated Hex Bolt

### **AluminumSpacer.com**

4 X Aluminum Spacer 1/2 OD x .382 ID x 3/4 Long

2 X Aluminum Spacer 1/2 OD x .382 ID x 1-3/8 Long

2 X Aluminum Spacer 1/2 OD x .382 ID x 1/8 Long

4X Aluminum Spacer 1/2 OD x .382 ID x 1-1/2 Long