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## Demand and Wish List

**D** - Demand

**W** - Wish

**Your own personal restrictions due to personal setup and situation**

### **Performance**

W - wrist must be able to pick up a ball

D - wrist and fingers must move

### **Geometry**

### **Materials**

- D - Socket
- D - Fabric socks
- W - nylon
- W - Fiberglass
- W - Kevlar
- D - Polyesters, Acrylics OR Epoxis
- D - Aluminum (lightest strong metal on the periodic table)
- Polypropylene
- D - Carbon fiber(For Pylon)- Has exceptional strength and is lightweight
- D - Silicone

- D - PVC

## **Energy**

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## **Time**

- D - 4 months (end of may)

## **Cost**

- Prosthetic limbs typically cost anywhere between \$10,000-\$50,000 so must cost less than \$50,000

## **Manufacture**

### **Standards**

- **Long-lasting prosthetic arm**
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### **Safety**

- WHO partnered with International Society for Prosthetics and Orthotics creates standandards of policy, products, personnel, and provisions of service
- If it's attached to

### **Transport**

- If we end up creating a removable prosthetic limb, then it must be light enough to transport and easy to take apart

### **Ergonomics**

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