

Winch Mass Construction Guide

Use this guide to create two winch mass assemblies with VEX V5 wheels and shafts.



Figure 1. Two 100-gram Winch Mass Assemblies

Materials and Equipment

- (4) 2.75-inch wheels
- (2) 2-inch shafts



Figure 2. Wheels and Shafts

Procedure

1. Insert a 2-inch shaft through the center of one wheel.



Figure 3. Wheel with Shaft

2. Align the spokes of a second wheel with the spokes of the first wheel as shown in Figure 4.



Figure 4. Wheels Aligned Properly



Figure 5. Wheels Misaligned

3. Slide the second wheel onto the shaft. Realign the second wheel if it is misaligned as in Figure 5.



Figure 6. Winch Mass Assembly

4. Using the two remaining wheels, repeat steps 1–3 to create a second winch mass assembly.