







# AndyMark 2013 C-Base (am-2239) Assembly Instructions

December 2012



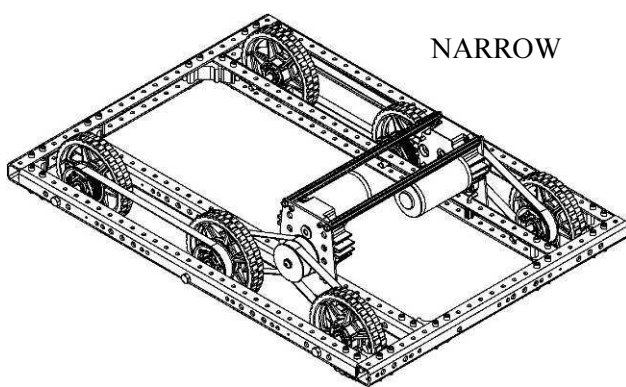
## 2013 C-Base (am-2239) Bill of Material and Part Photos

Component	Qty	Part Number	Part Photo	QR Code
C-Channel	6	<a href="#">am-2222</a>		
Corner Connect	8	<a href="#">am-0212</a>		
500 Cross Hex Tube	2	<a href="#">am-2241</a>		
1/4-20 x 1.75" SHCS	32	am-1058 sold as pkg: <a href="#">am-1206</a>		
1/4-20 Nylock Nut	40	am-1015 sold as pkg: <a href="#">am-1160</a>		
1/4-20 x 1" Thread Rolling Screw	4	am-1182 sold as pkg: <a href="#">am-1225</a>		
1/4-20 x 3/4" Hex Flange Screw	4	am-1271 sold as pkg: <a href="#">am-1277</a>		
Anchor Bolt	4	<a href="#">am-1267</a>		
3/8-16 x 6" Axle	6	<a href="#">am-1268</a>		
3/8-16 Nylock Nut	6	<a href="#">am-1054</a>		
1.8" Spacer	6	<a href="#">am-2242</a>		
0.82" Spacer	4	<a href="#">am-2243</a>		

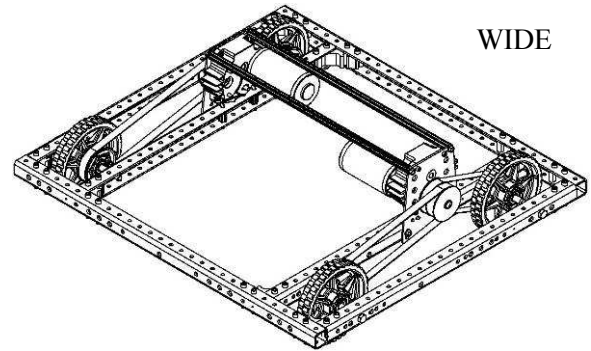
0.19" Spacer	2	<a href="#">am-2271</a>		
5/16" Washer	2	am-1001 sold as pkg: <a href="#">am-1221</a>		
Cross Hex Nut	4	<a href="#">am-2244</a>		

## 2013 AndyMark Drive System Assembly

Step 1: Please notice that the 2013 C-Base uses different, shorter (30" long) C-Channel than previous years' C-Bases. Decide whether to use the C-Base in a NARROW or WIDE configuration.

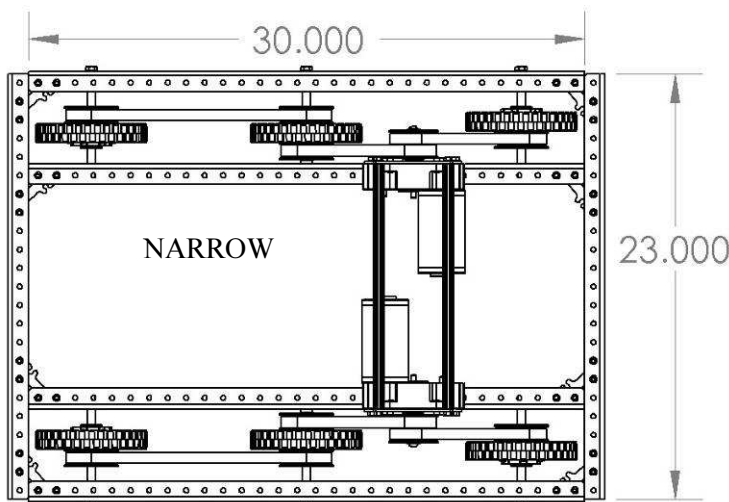


NARROW

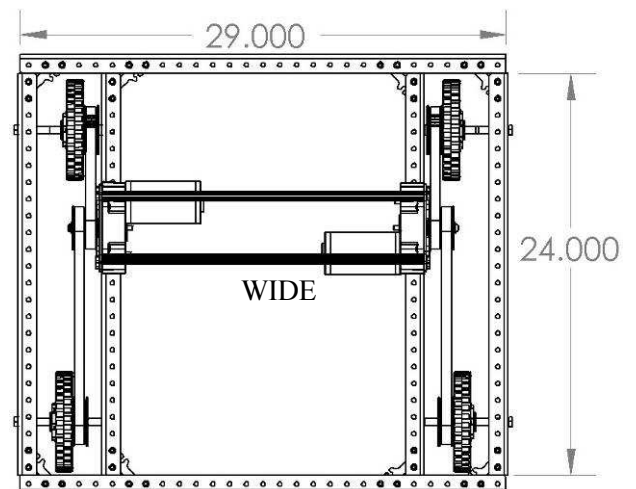


WIDE

Step 2: Build the C-Base frame by measuring and cutting C-Channel. A NARROW base has two of the C-Channels at 23 inches long. For a WIDE base, two C-Channels are 29 inches long and the remaining four are 24 inches long. When cutting, plan your cuts to be on one end of the channel (do not cut from each end.) You can cut the C-Channel to custom lengths, but consider the 2013 FRC robot rules.

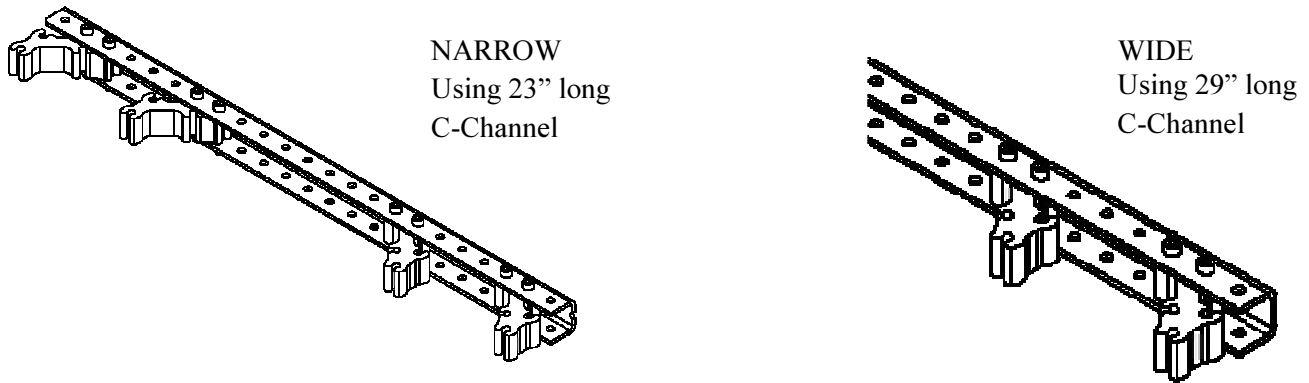


NARROW

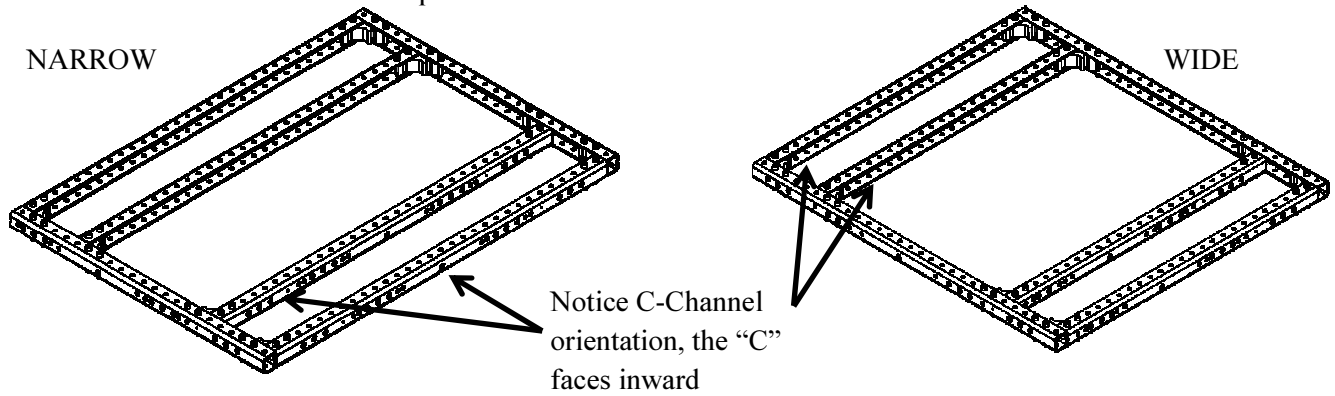


WIDE

Step 3: Assemble the Corner Connects (am-0212) onto the C-Channels (am-2222.) Use 1/4-20 x 1.75 bolts and 1/4-20 nylock nuts provided. Create two sections using the example below.



Step 4: Complete the frame perimeter by using the remaining 1/4-20 bolts to fasten your remaining C-Channels in-between the two ends created in step 3.



Step 5: Place the axles as shown in the picture below for the NARROW base and tighten them with the 3/8" nylon nuts.

