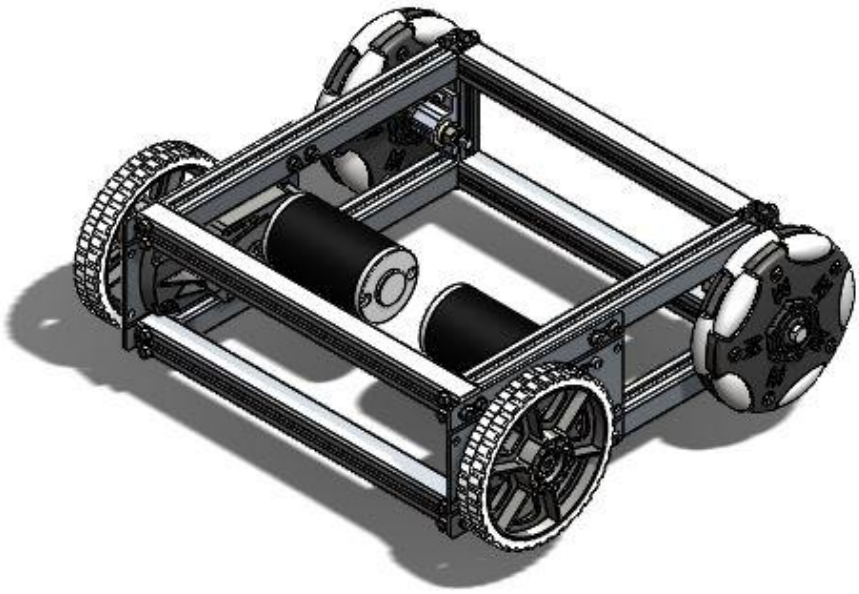
User Guide

Peanut Chassis



Part Number	Description	Quantity
am-0940a_blue	6" HiGrip Wheel 50 Durometer	2
am-3291	6" DuraOmni Wheel w/ 3/8" Bearings	2
am-2939	Battery Tray Kit for AM14U2	1
am-3230_107	ToughBox Micro at 10.71:1 with Flat Plate	2
am-2904	1" Pillow Block	2
am-0077a	500 Key Hub	2
am-3090-6	Peanut Extrusion, 6ft	2
am-0255	2.5" CIM Motor	2
am-3417h	Peanut Chassis Hardware Kit	1

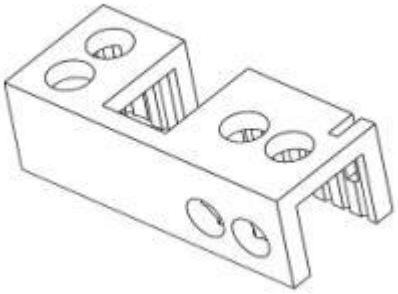
Tools Needed	Part Number
Drill	
1/4" Drill Bit	
25/64" Drill Bit	
5/32" Hex Driver	am-2751
3/8" Nut Setter	am-2755
5/16" Nut Setter	am-2754
3/8-7/16 Open-End Wrench	am-2745
5/16" Nut Setter	am-2754
1/2-9/16 Open-End Wrench	am-2746

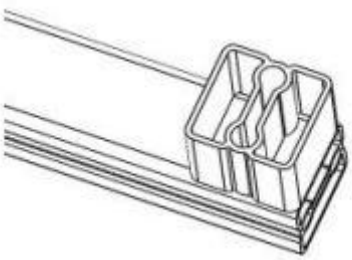
Parts Inside Peanut Chassis Hardware Kit (am-3417-h):

Part Number	Description	Quantity
am-1026	#10 Steel Washer	20
am-1181	0188 Long Nylon Spacer	8
am-1266	10-24 x 1.25 Thread Forming Screw	12
am-1222	1/4-20 x 2500 Thread Forming Screw	24
am-1182	1/4-20 x 1000 Thread Forming Screw	8
am-1014	SHCS 10-32 x 1500 Screw	12
am-1297	HHCS 3/8-16 x 4.25 Screw	2
am-1054	3/8-16 Nylock Nut	2
am-1042	10-32 Nylock Nut	12

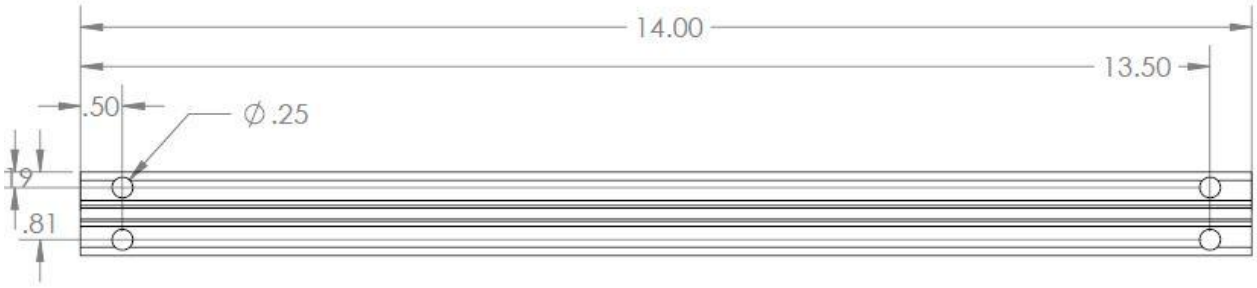
Peanut Chassis (am-3417)

Step 1: 3d print the Peanut Extrusion Hole Guide or cut a ¼" piece of peanut extrusion and use it as a hole guide. Make sure to clamp your guide to the extrusion.





Cut and Drill Peanut Extrusion According to Print



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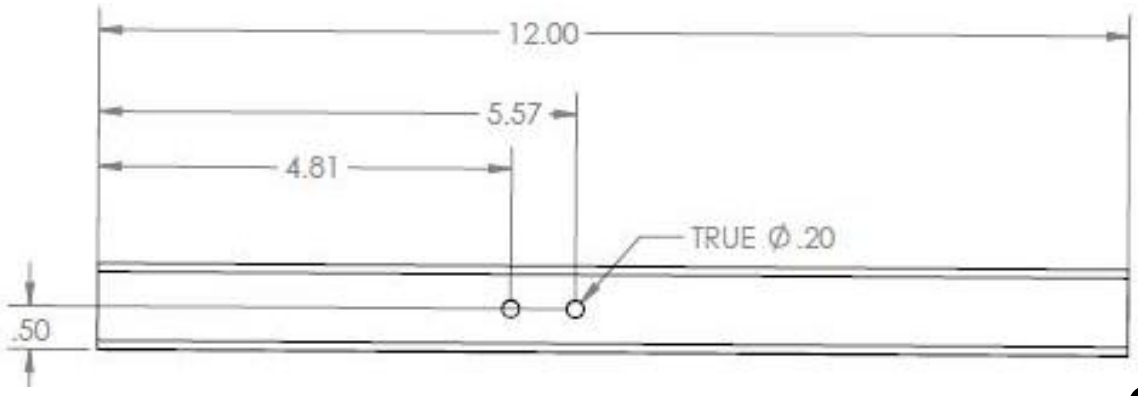
Cut and Drill Peanut Extrusion According to Print

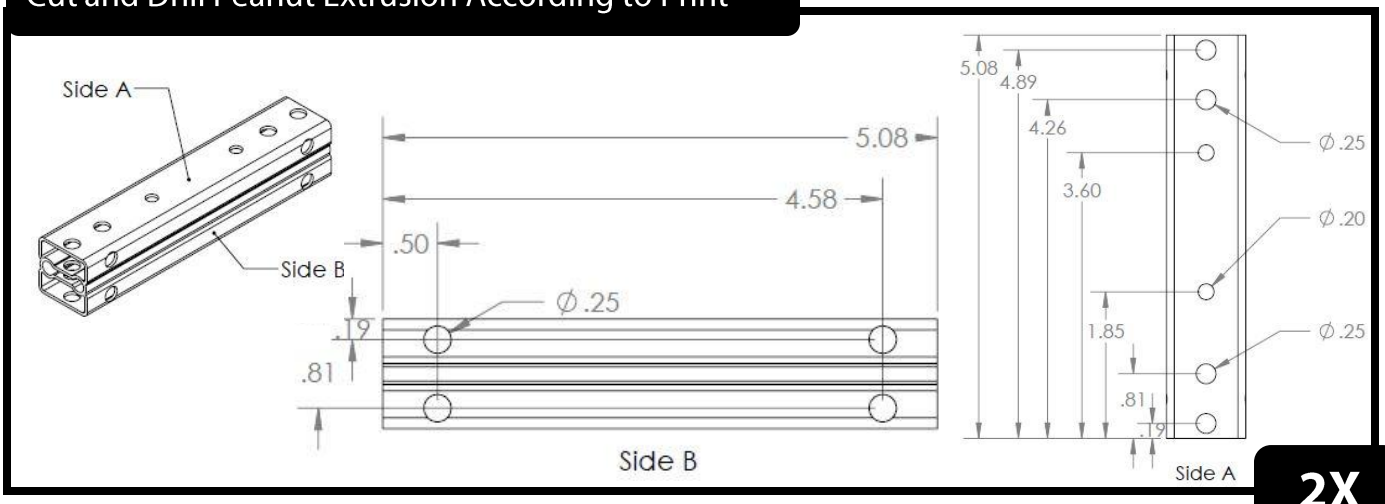


*** ONLY DRILL INTO FOUR OF THE CUT PIECES**

6X

AndyMark

Cut and Drill Peanut Extrusion According to Print



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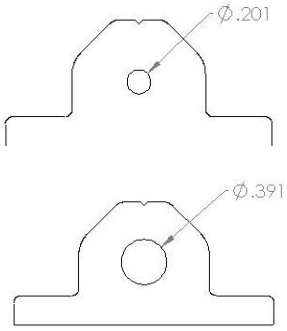
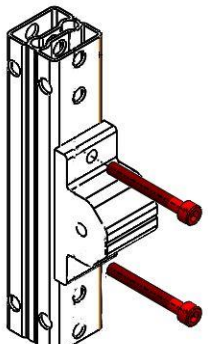
Step 1: Take both Pillow Blocks (am-2904) and drill a 3/8" clearance hole in the center hole.



Step 2: Thread 10-32 x 1500 Screws (am-1014) through Pillow Block and 5.08" Peanut extrusion.



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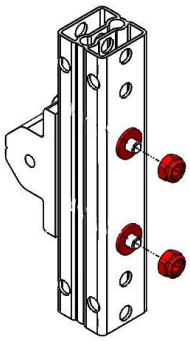
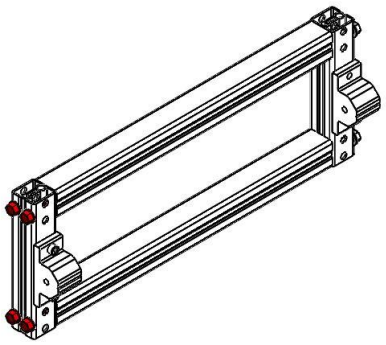
Step 3: Turn the Peanut extrusion around and fasten the pillow block with a #10 Steel Washer (am-1026) and 10-32 Nylock Nut (am-1042)



Step 4: Take assembled 5.08" Peanut pieces and bolt them onto the two 12" Peanut pieces without holes. Use ¼-20 x 2500 Thread Forming Screw (am-1222).



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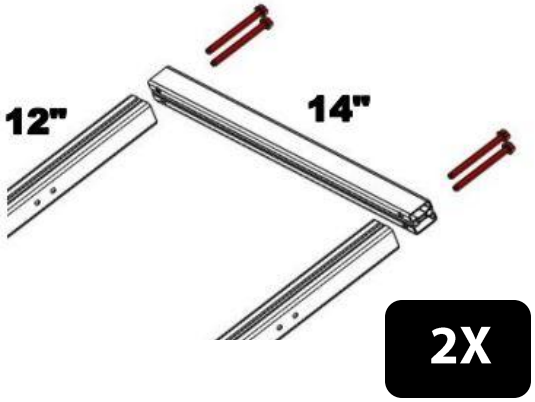
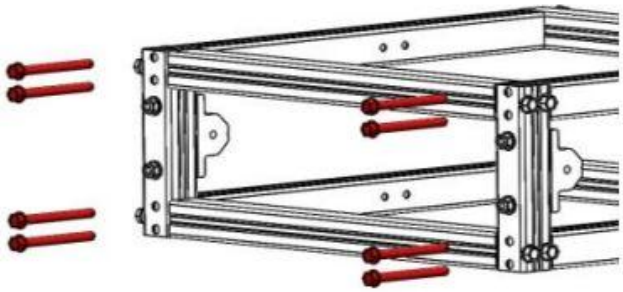
Step 5: Attach a 14″ Peanut piece to two 12″ Peanut pieces using ¼-20 x 2500 Thread Forming Screw (am- 1222).

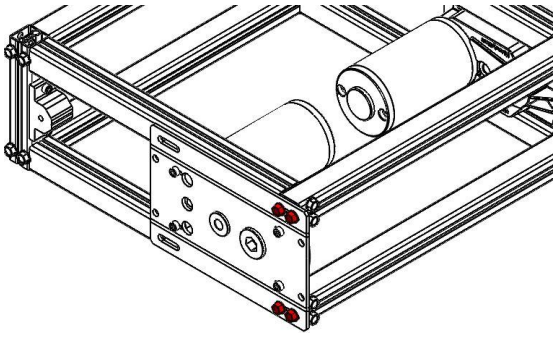


Step 6: Take U-Shaped assembly from Step 5 and attach it to the assembly from Step 4 with ¼-20 Thread Forming Screw (am-1222)

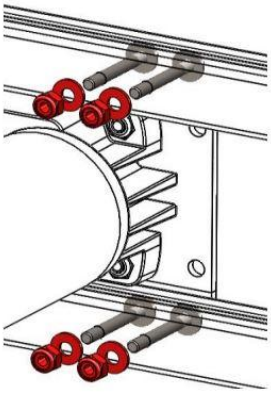


Step 7: Assemble ToughBox Micro (am-3230_107) according to the instructions.

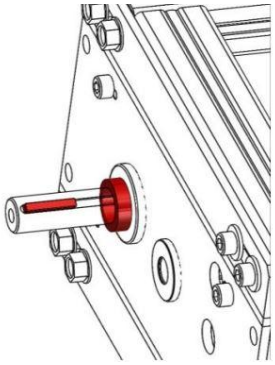
Step 8: Attach the ToughBox Micros with 1/4-20x1000 Thread forming screws (am- 1182). Do this to both sides of the chassis.



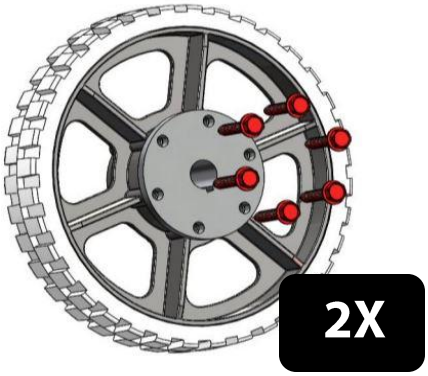
Step 9: Attach the rest of the ToughBox with SHCS 10- 32x1500 Screws (am- 1014), #10 Steel Washer (am- 1026) and 10-32 Nylock Nut (am-1042). Do this to both sides of the chassis.



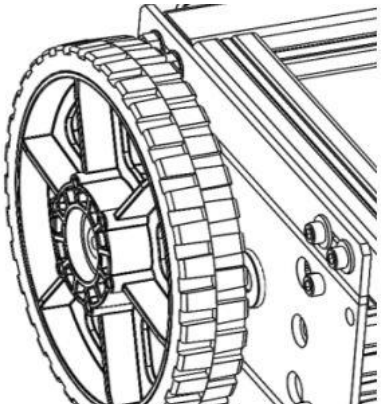
Step 10: On each of the ToughBox slide on a 3/16" thick spacer (am-1181). Then slide in a 1/8x1/8x0700 Machine key (am- 1043)



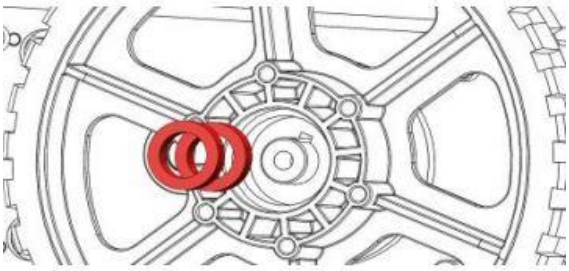
Step 11: Place 500 Key Hub (am-0077a) into Blue Stealth Wheel (am- 0940a) and fasten with 10-24x1.25 Thread Forming Screw (am-1266)



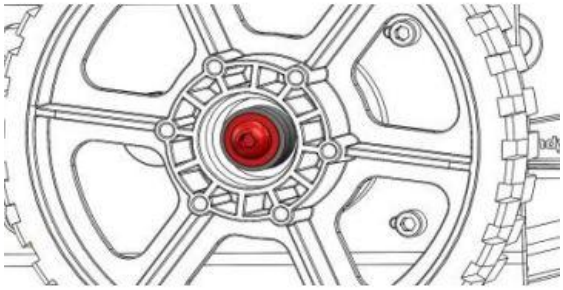
Step 12: Slide wheels onto the shaft of the ToughBox



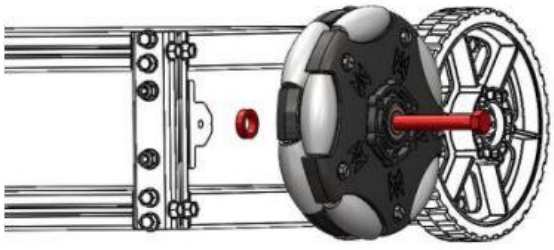
Step 13: Slide two 3/16" Thick Nylon Spacer (am- 1181) on each shaft.



Step 14: The end of the ToughBox shaft is threaded inside, insert the ¼-20 x ½ screw (am-1039) through the 1/4" Washer (am-1027) and into the end of the output shaft. This will keep the wheel secure.



Step 15: On both sides push 3/8-16 x 4.25 bolt (am-1297) through the DuraOmni (am-3291), then through a 3/16" thick nylon spacer (am-1181). Push the bolt through the pillow block.



Step 16: On the other side put a 3/16" thick nylon spacer and then thread 3/8-16 Nylock Nut (am-1054). Tighten this all the way then back off a half of turn.