V1062 (left), V1060 & V1061 (right)

Introduction:

The Heli-Carrier V1060, V1061 and V1062 models were created to tow wheeled helicopters.

Considering that helicopter underbellies may be equipped with various accessories and landing gear configurations it is essential to check compatibility.

In order to properly check compatibility we recommend building a cardboard template to slide against the helicopter nose wheel and rotate to confirm free Heli-Carrier movement without conflict with any underbelly helicopter components. The following provides instructions on how to build the template and check measurements. Should a potential conflict be identified during the checking process, take pictures and measurements, then send information to our attention. We will then review & provide you with the compatibility information.

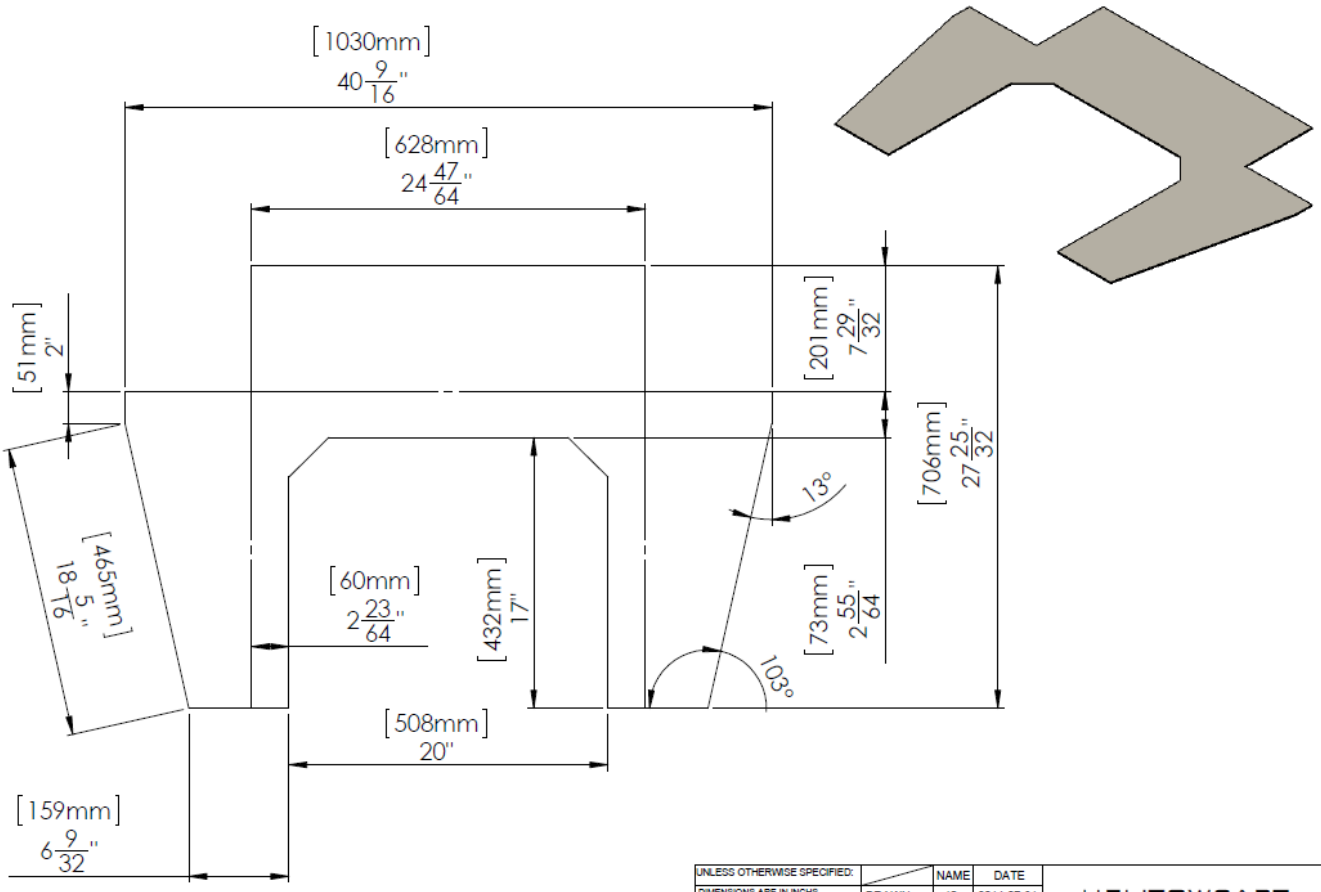
STEP 1: Identify Applicable Model

To find out which template to use, consult the following chart:

	V1060 & **V1061**	**V1062** (for oil platform nets only)
Support Wheels	12" (30cm) Full Rubber	16.5" (42cm) Pneumatic
		

STEP 2: Cut Template for BUCKET (same for all models)

Bucket Template:



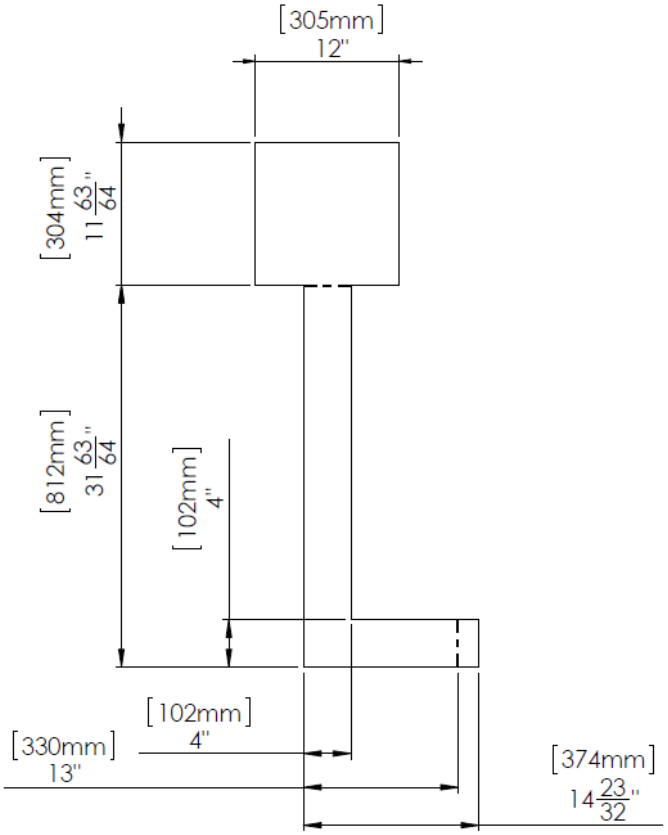
UNLESS OTHERWISE SPECIFIED:		NAME	DATE	
DIMENSIONS ARE IN INCHS TOLERANCES: ∠ : MACH± 0.5° BEND ±1° x/xx = ± 1/32" x.x = ± 1/32" x.xx = ± 0.015" x.xxx = ±0.005"	DRAWN	JC	2014-07-31	HELITOWCART WWW.HELITOWCART.COM
	CHECKED	JC	2014-07-31	
	ENG APPR.	-	--	DESCRIPTION: Measurement tool
	MFG APPR.			
	Q.A.			
MATERIAL: Cardboard	DWG. NUMBER : V-1060, V-1061, V-1062 Bucket Template			SIZE: A / REV: A
FINISH: --				
DO NOT SCALE DRAWING	QTY BY MACHINE :	SCALE: 1:9	WEIGHT: n.a.n.a	SHEET 1 OF 1

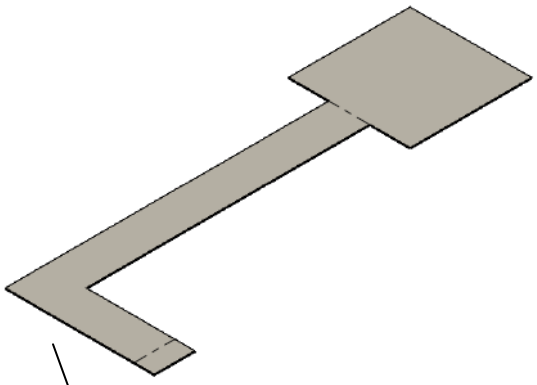
STEP 3: Cut Template for LEG-WHEEL Simulator

a) Use appropriate Leg-Wheel Simulator Model: "V1060-V1061" or "V1062".

b) Cut 2 Leg Sections in Mirror: RIGHT & LEFT

V1060 - V1061 LEG-WHEEL Template:





Make Qty: 2 (Mirror)

1 Left Side
1 Right Side

UNLESS OTHERWISE SPECIFIED:		NAME	DATE
DIMENSIONS ARE IN INCHS TOLERANCES: ANGLES ± 0.5° BEND ±1° XXX = ± 1/32" x.x = ± 1/32" x.xx = ± 0.015" x.xxx = ±0.005"	DRAWN	JC	2014-07-31
	CHECKED	JC	2014-07-31
	ENG APPR.	-	--
	MFG APPR.		
	Q.A.		
MATERIAL: Cardboard	DWG. NUMBER : V-1060, V-1061 Legs Template LH & RH	SIZE: A	REV: A
FINISH: --			
DO NOT SCALE DRAWING	QTY BY MACHINE :	SCALE: 1:12	WEIGHT: n.a.n.a SHEET 1 OF 1

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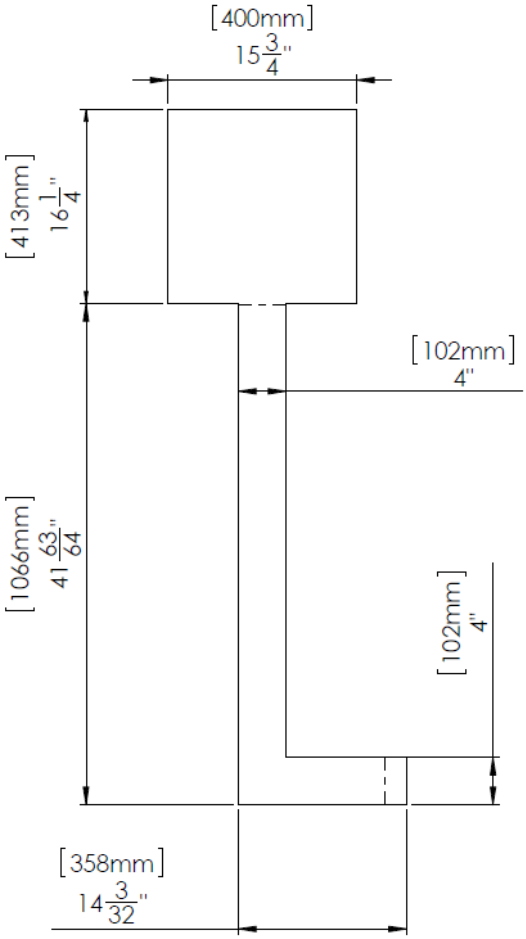
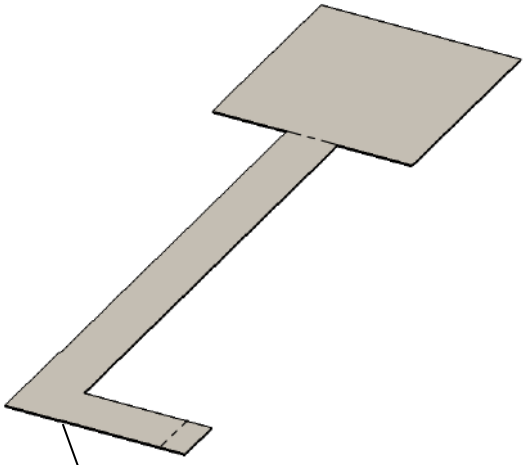
DESCRIPTION:
Measurement tool

V1062 LEG-WHEEL Template:





Make Qty: 2 (Mirror)

1 Left Side
1 Right Side

PROPRIETARY AND CONFIDENTIAL

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UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHS
TOLERANCES:
∠: MACH± 0.5° BEND ±1°
X/XX = ± 1/32"
x.x = ± 1/32"
x.xx = ± 0.015"
x.xxx = ±0.005"

MATERIAL: Cardboard
FINISH: --
DO NOT SCALE DRAWING

	NAME	DATE
DRAWN	JC	2014-07-31
CHECKED	JC	2014-07-31
ENG APPR.	-	--
MFG APPR.		
Q.A.		

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DESCRIPTION: Wheel Holder Template

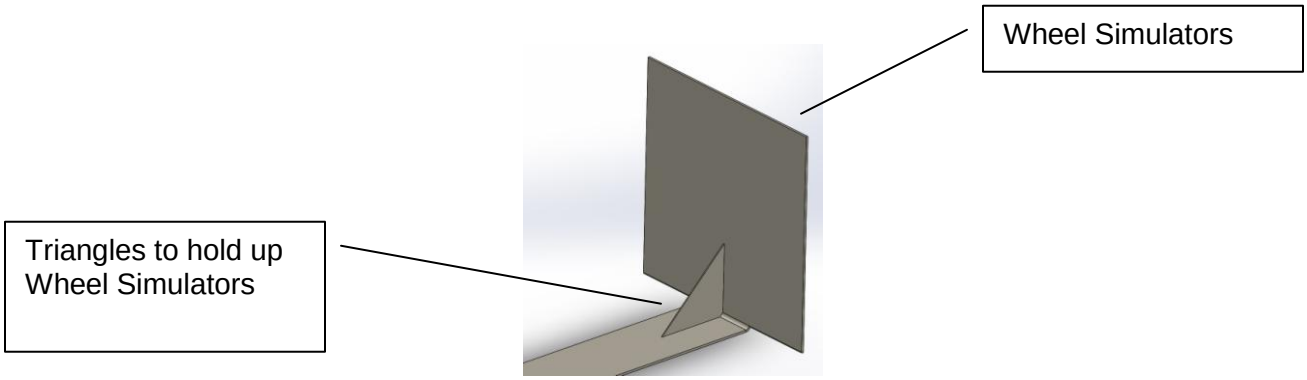
DWG. NUMBER : V-1062 Legs Template LH & RH

SIZE A | REV A

QTY BY MACHINE : | SCALE: 1:12 | WEIGHT: n.a. | SHEET 1 OF 1

STEP 4: Cut Triangles

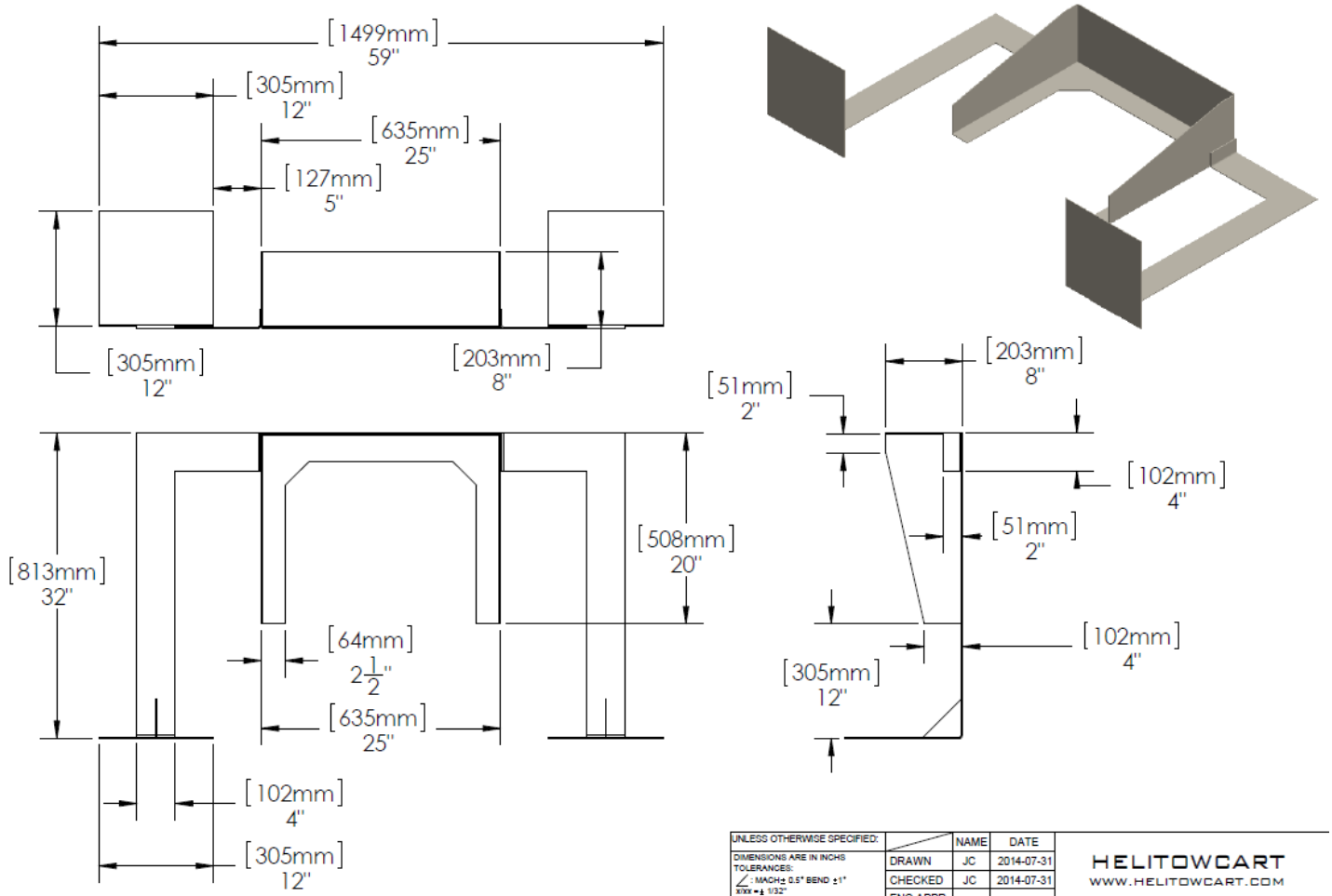
a) Cut Triangles to your preference to be used to hold the Wheel Simulators up.



STEP 5: Bend & Assemble Template Parts

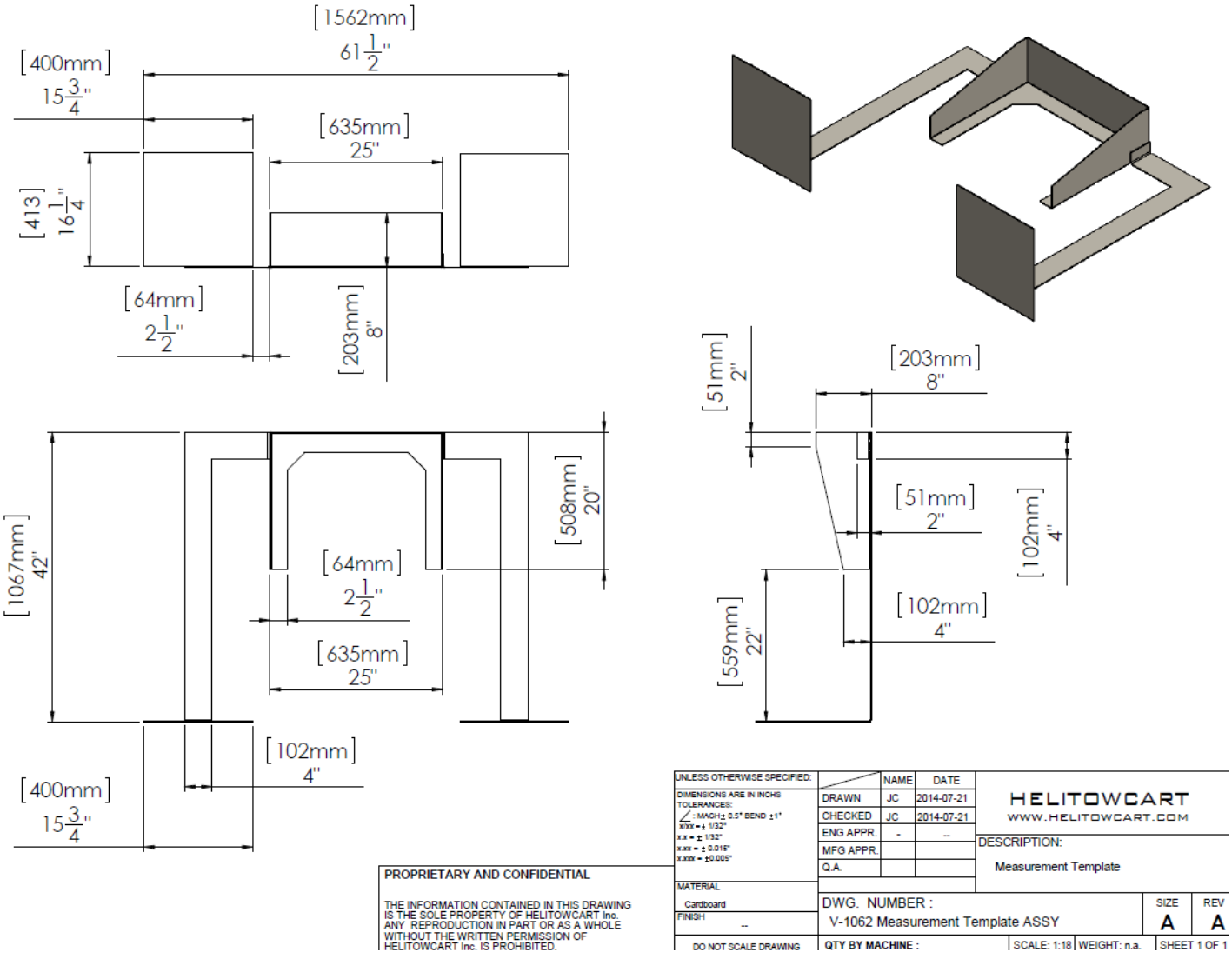
a) Bend & Tape Bucket sides together
b) Tape Triangles to Wheel Simulators on leg sections
c) Bend & Tape Leg ends to Bucket

V1060 - V1061 Template Assembly



UNLESS OTHERWISE SPECIFIED:		NAME	DATE	
DIMENSIONS ARE IN INCHS	DRAWN	JC	2014-07-31	HELITOWCART
TOLERANCES: ∠: MACH± 0.5° BEND ±1° x.xx = ± 1/32" x.xx = ± 0.015" x.xxx = ±0.005"	CHECKED	JC	2014-07-31	WWW.HELITOWCART.COM
	ENG APPR.	-	--	DESCRIPTION:
	MFG APPR.			Measurement tool
	Q.A.			
MATERIAL: Cardboard	DWG. NUMBER : V-1060, V-1061 Measurement Template ASSY			SIZE A / REV A
FINISH: --	QTY BY MACHINE :	SCALE: 1:12	WEIGHT: n.a.	SHEET 1 OF 1
DO NOT SCALE DRAWING				

V1062 Template Assembly



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UNLESS OTHERWISE SPECIFIED:		NAME	DATE
DIMENSIONS ARE IN INCHS TOLERANCES: ∠ : MACH± 0.5° BEND ±1° XXX = ± 1/32" X.X = ± 1/32" X.XX = ± 0.015" X.XXX = ±0.005"	DRAWN	JC	2014-07-21
	CHECKED	JC	2014-07-21
	ENG APPR.	-	--
	MFG APPR.		
	Q.A.		

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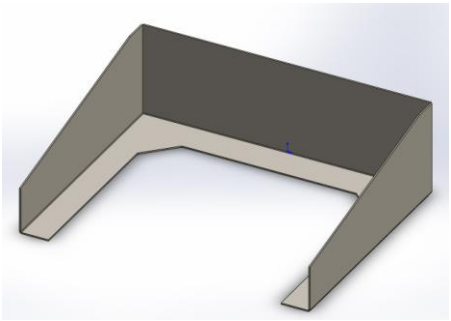
DESCRIPTION:
Measurement Template

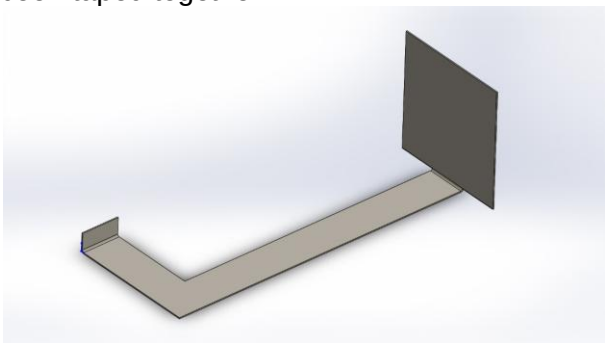
MATERIAL	DWG. NUMBER :	SIZE	REV
Cardboard	V-1062 Measurement Template ASSY	A	A
FINISH: --			
DO NOT SCALE DRAWING	QTY BY MACHINE :	SCALE: 1:18 WEIGHT: n.a.	SHEET 1 OF 1

STEP 6: Check Template Conformity

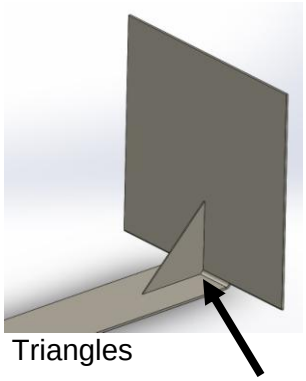
To build the template **5 parts** have been taped together:



1 Bucket

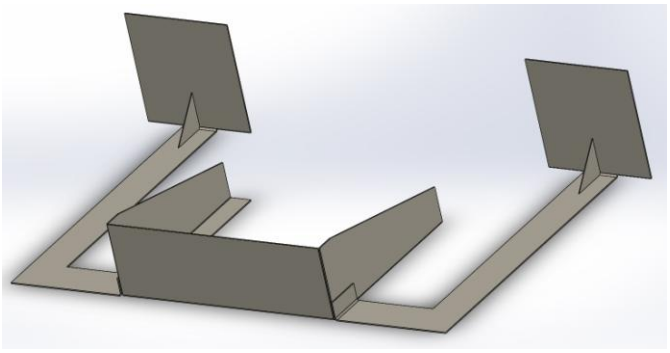


2 Leg-Wheel Simulators (RH & LH)

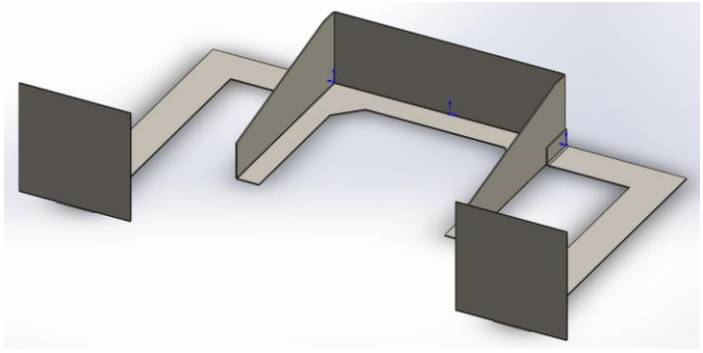


2 Triangles

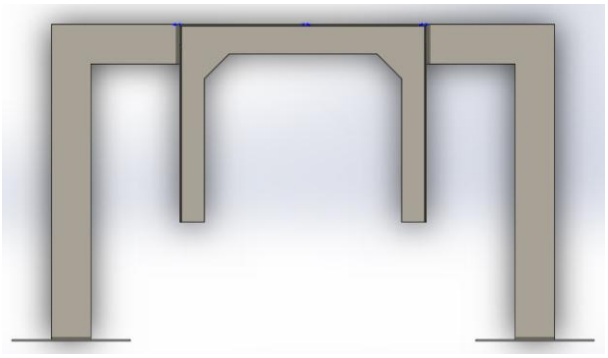
The **Completed Template Assembly** has the following shape:



Bucket side view



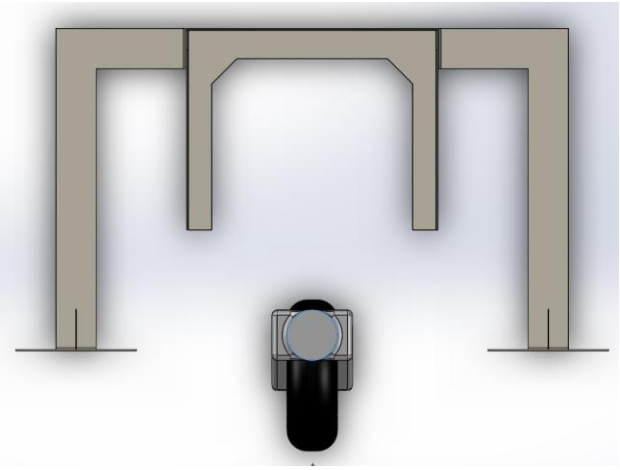
Wheel Simulator Side View

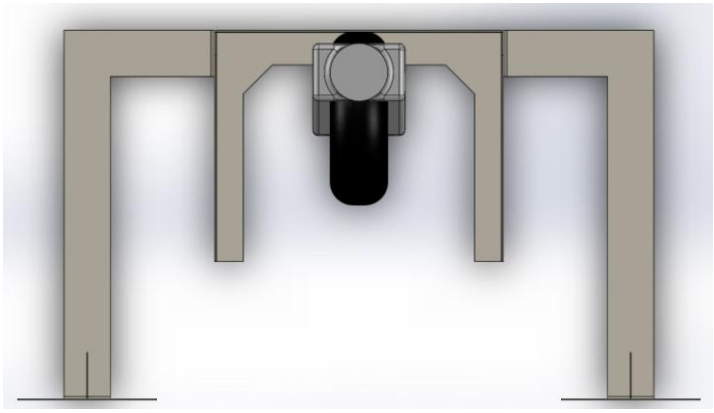


Top View

STEP 7: Check Forward Compatibility:

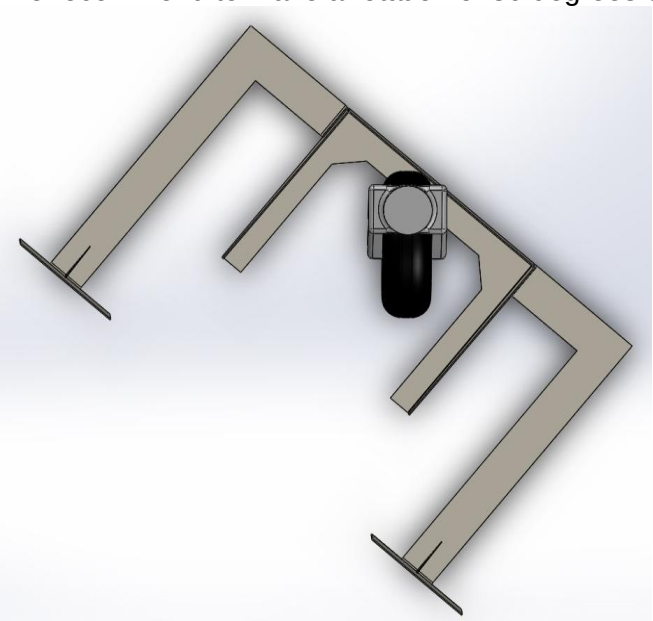
Slide the Template from helicopter nose tip toward nose wheel. Ensure there is sufficient space to clear possible antennas, wheel door panels and other applicable accessories.

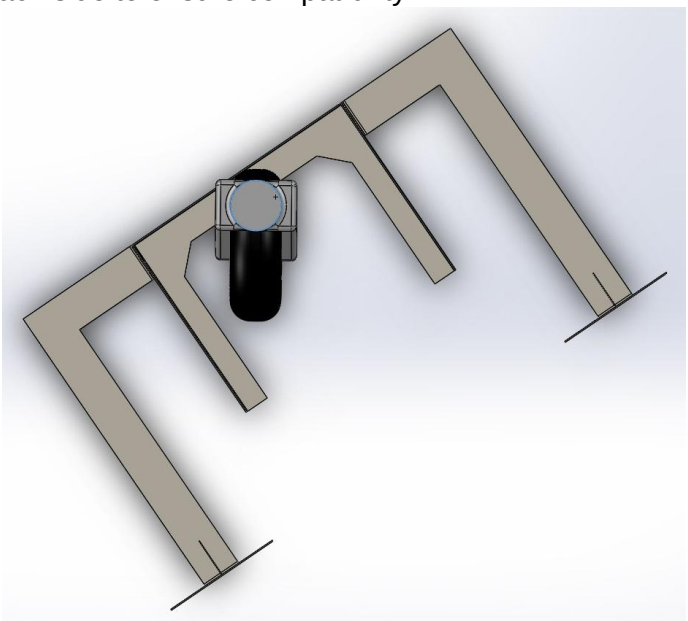




STEP 8: Check Rotation Compatibility:

With template fully inserted against nose wheel, rotate template around nose wheel to check if there are interferences with helicopter components. There must be sufficient space available to perform free rotation. We recommend to make a rotation of 80 degrees each side to ensure compatibility.





Carrier_V1060_1061_1062_MEASURE_TOOL_(2014_07_30)