



Race car Buddies Flipup Top Race Cars

Fun & easy to make Car dimension 2" wide x 5-1/4" long approximately 1-1/2" & 1" Wheels



Flipups

Set of 5 Race Cars Quick & Easy to Make

Lloydswoodtoyplans@gmail.com

Finished Model is approximately 5-1/4" long

Buy Now
on ETSY!



Wood Model Plan Set
Easy to build & assemble

Quick & Easy
Weekend Project



Lloyd's

Buddies Flipup

Design by Lloyd Watson



Warning Copyright

Thank you for purchasing my plan set
Please respect my work by not passing on the
drawing to third party

Files are security protect..Printing only.

Watermarks are in embedded in the PDF files for
security.

You can make as many toys as you like. The wood
toys in this plan set are royalty free. And i can not
have any responsibility for any injuries on making toy
model on this plan set.

Please do not hesitate to contact me if you need
any further information on the plan set.
Lloydswoodtoyplans@gmail.com

Plan set index

3D Renders	3-9
Parts list and how-to	10-13
Cad drawing	14-25
Photo Card & Tags	26-27
Conversion chart	28



Toy Buddies

Design by Lloyd Watson

All 5 Cars on this plan set



Nasy



Beachy



Rody



Formy



Buggy

3D Renders

Nasy



3D Renders

Toy Buddies

Formy





3D Renders

Toy Buddies

Rody





Orthographic view



Beachy



Nasy



Formy

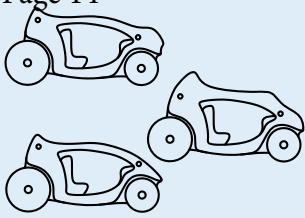
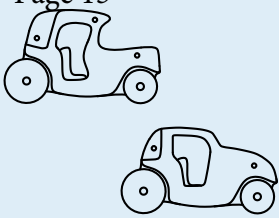
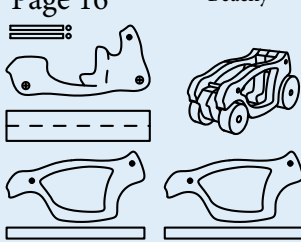
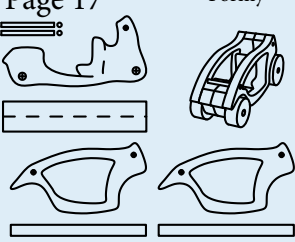
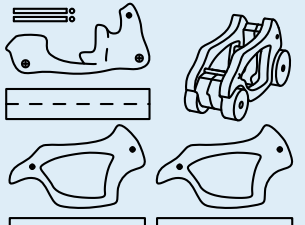
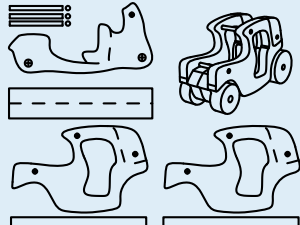
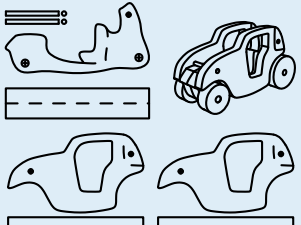
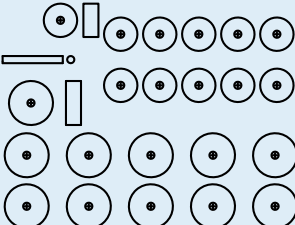


Buggy



Rody

Plan Page list view

<p>Page 14</p> 	<p>Page 15</p> 	<p>Page 16 Beachy</p> 	<p>Page 17 Formy</p> 
<p>Page 18 Nasy</p> 	<p>Page 19 Rody</p> 	<p>Page 20 Buggy</p> 	<p>Page 21</p> 



Parts List

All car bodys are made from 1" thick x 5" long or if you are using a scroll saw make two at 1/2" thick. Height 2-1/2"

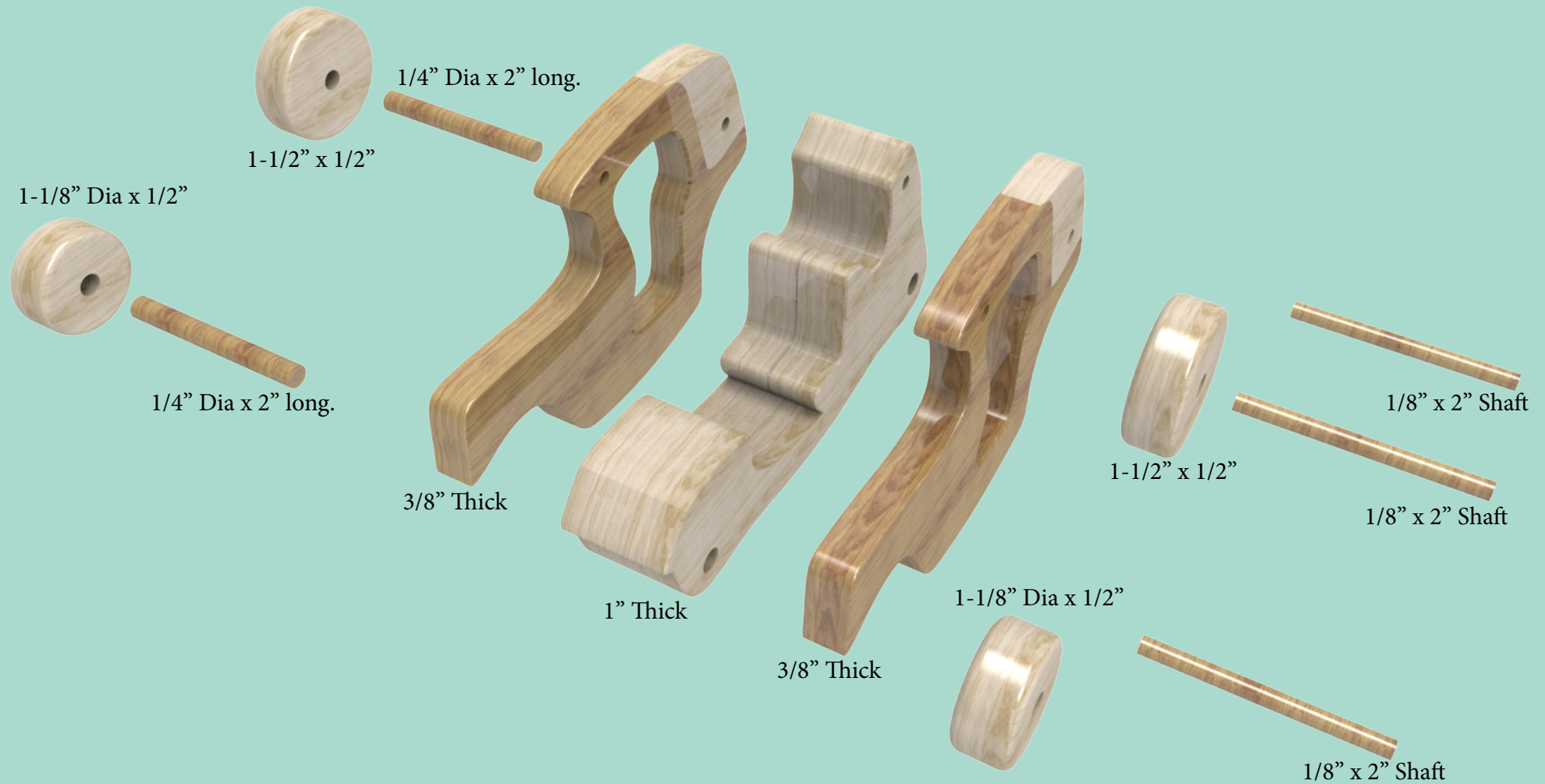
All car side panels are made from 3/8" thick. Height make from 2" - 3"

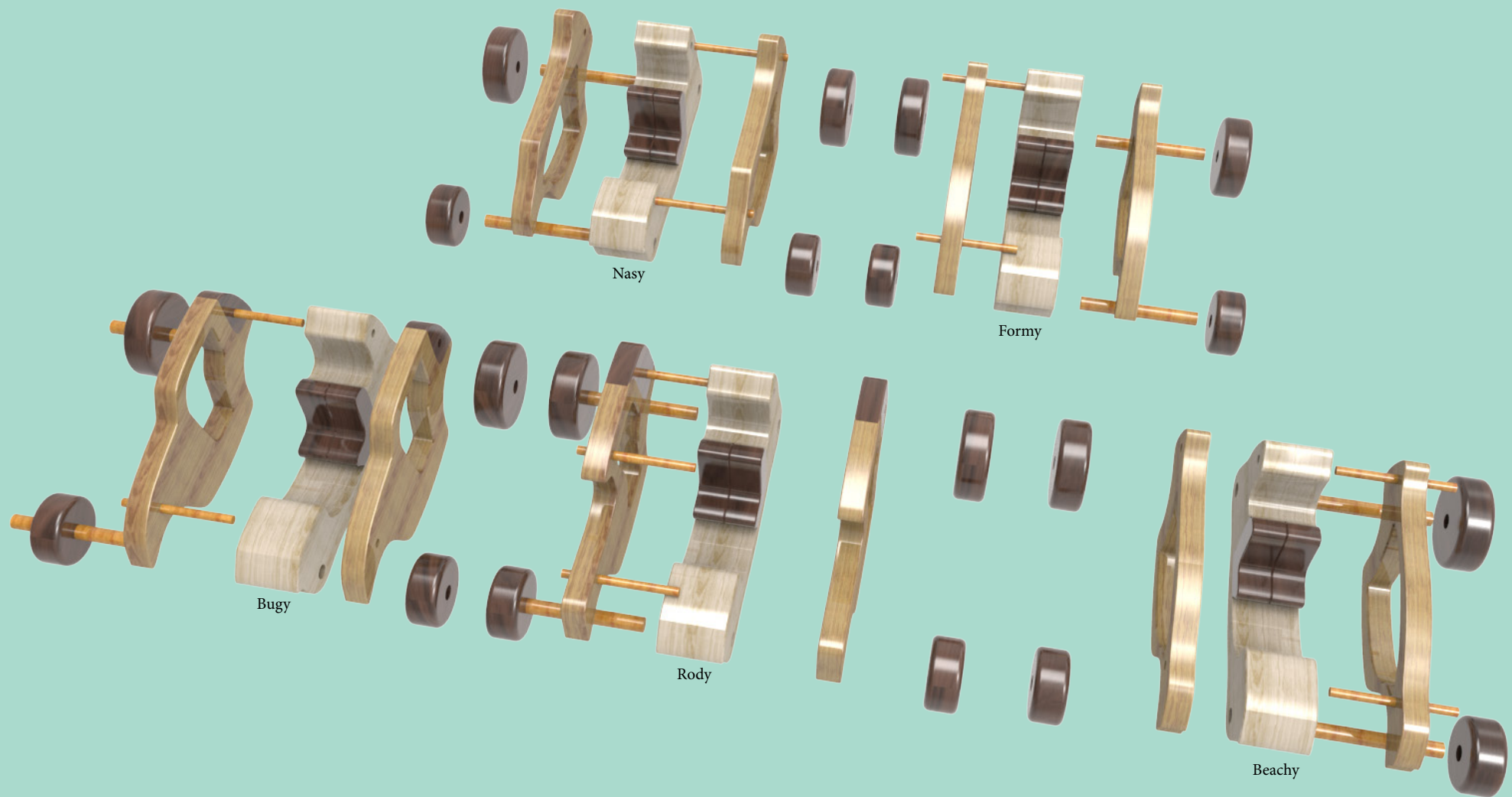
All car Wheels are made from 1-1/8" Dia x 1/2" & 1-1/2" x 1/2 thick.

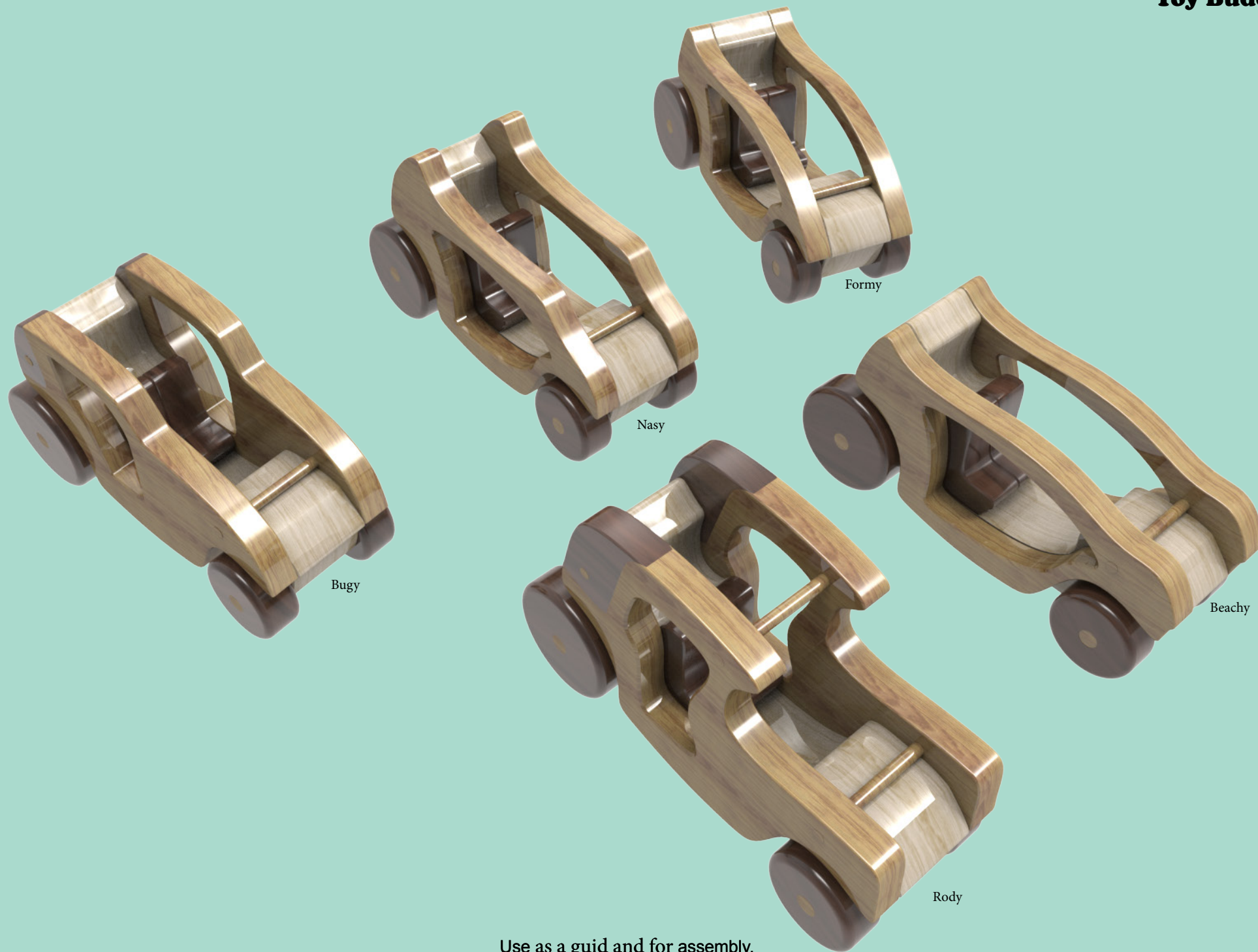
All car Wheels Shafts are made from 1/4" Dia x 2" long.

The part list is just an example of the cad block size pieces of wood. Suggest you go over size a little bit with the pieces of wood when you apply the paper to the wood before you cut the pieces out.

Exploded View



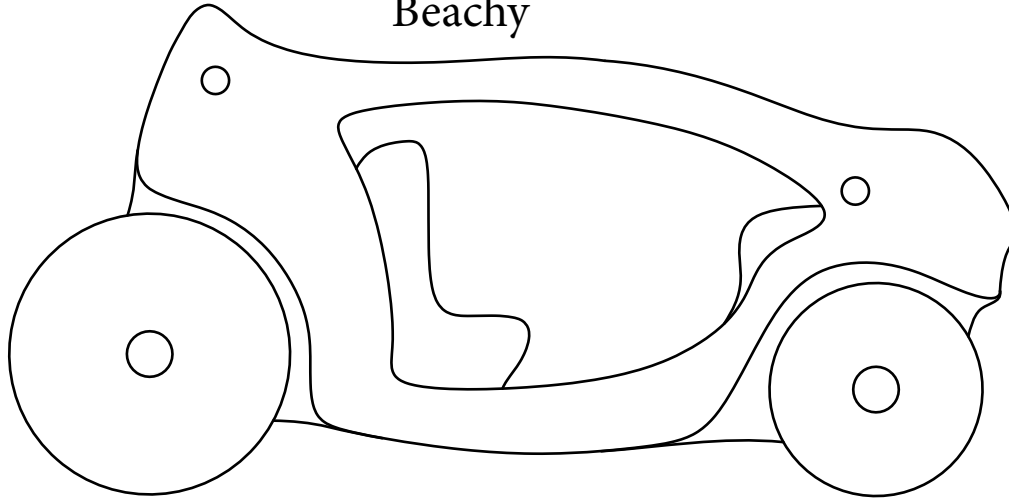




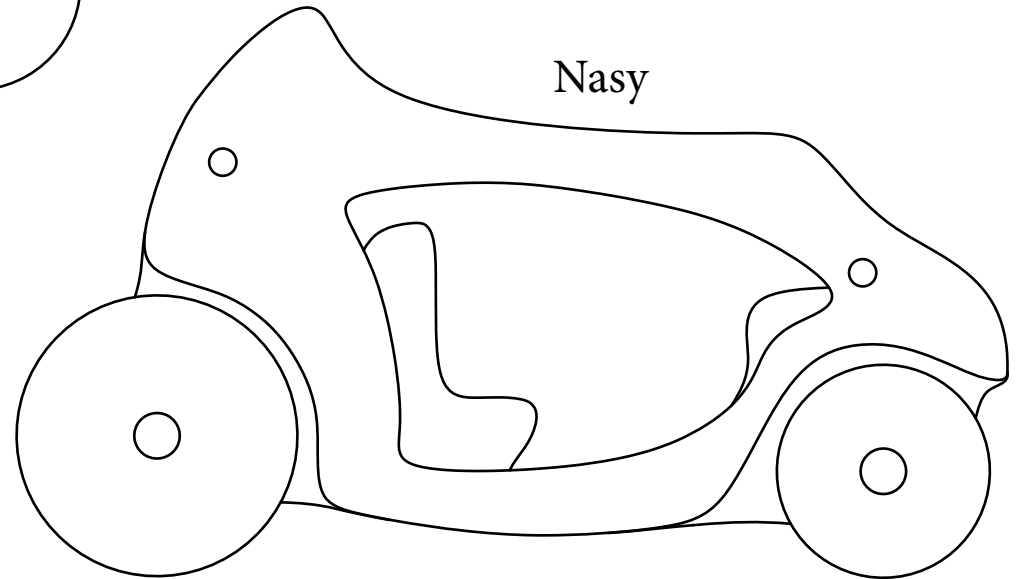
Use as a guid and for assembly.



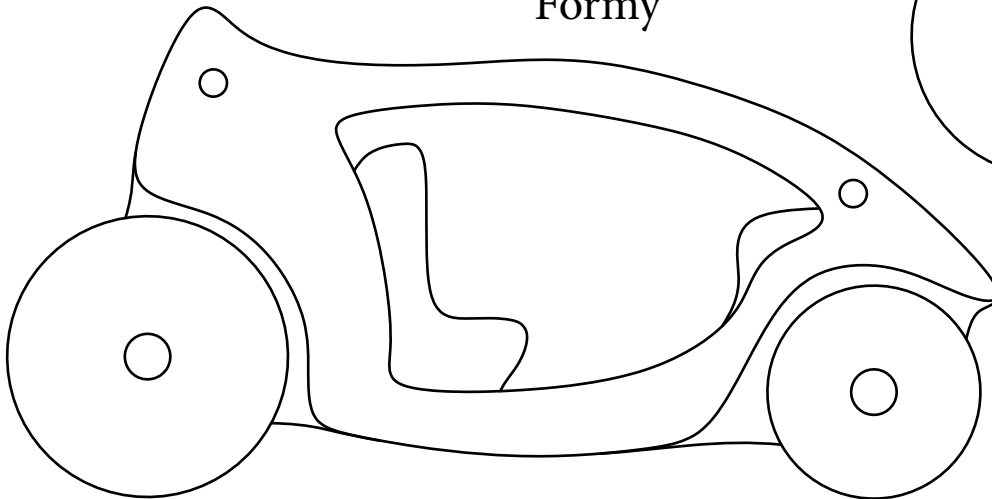
Beachy



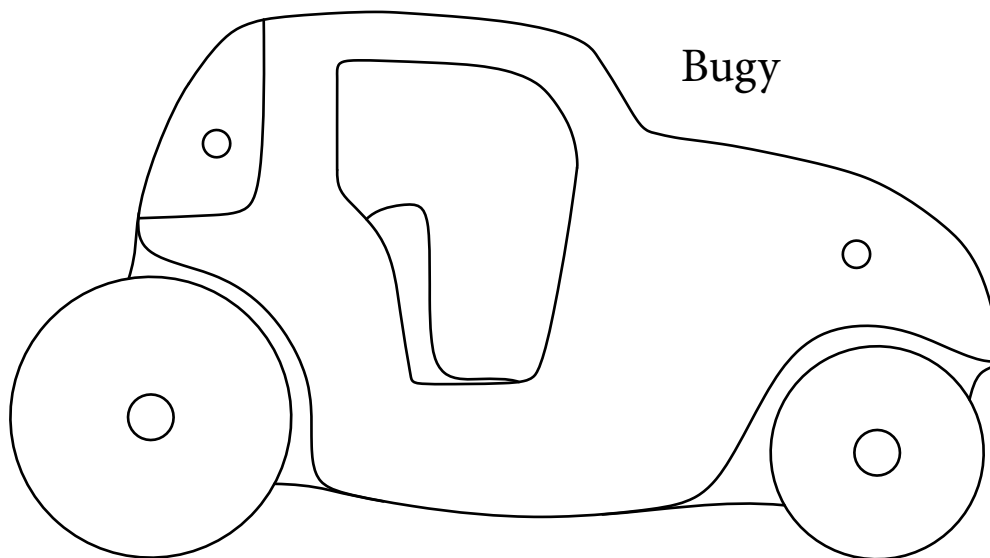
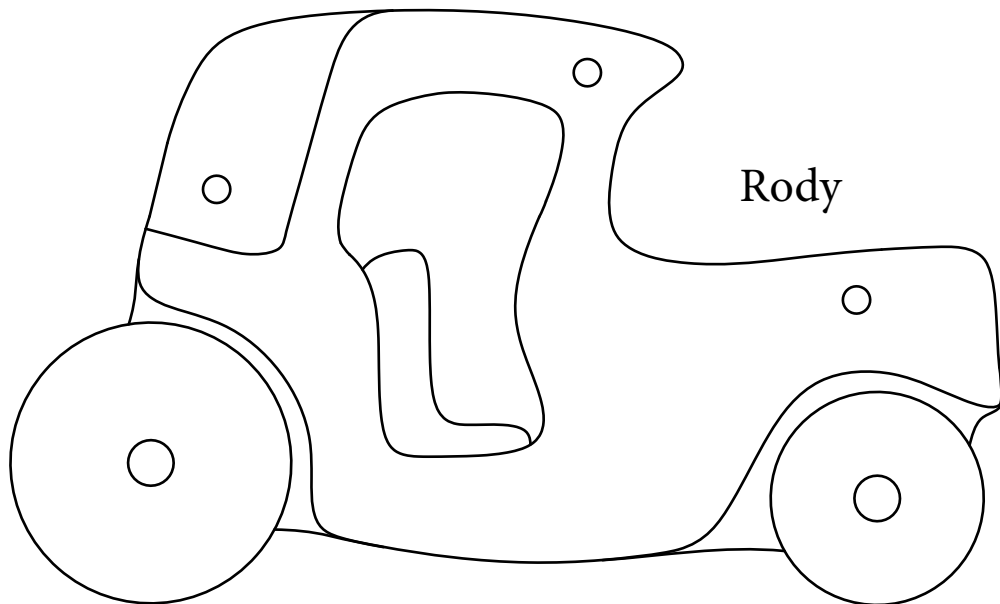
Nasy



Formy



You can print this plans on your own printer. Use no scaling on print output.



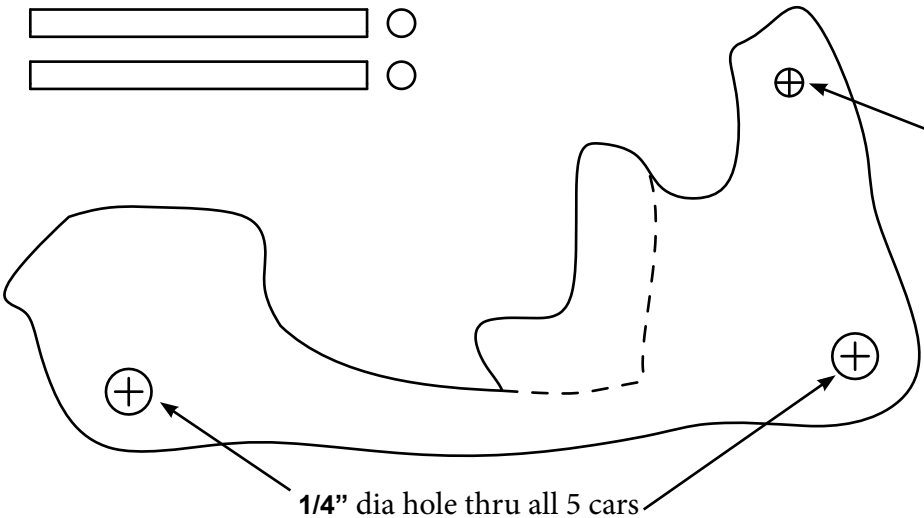
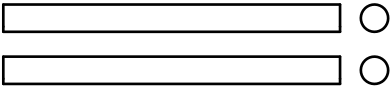
You can print this plans on your own printer. Use no scaling on print output.

Toy Buddies



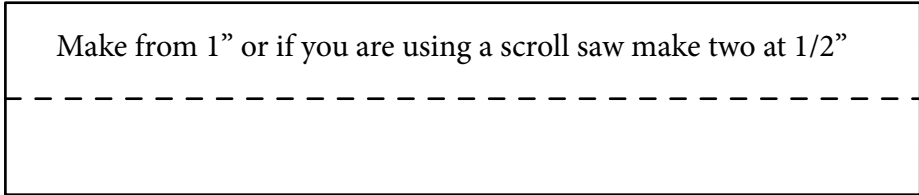
Beachy

1/8" x 2" Shafts Make 2

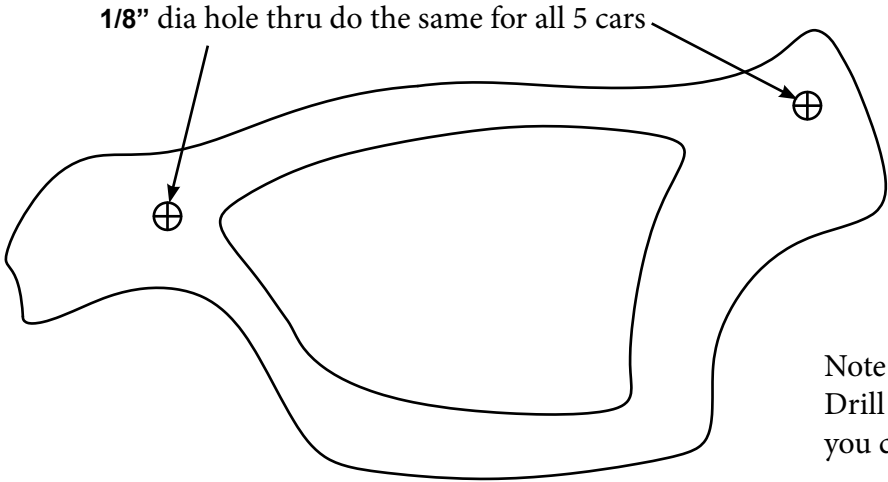
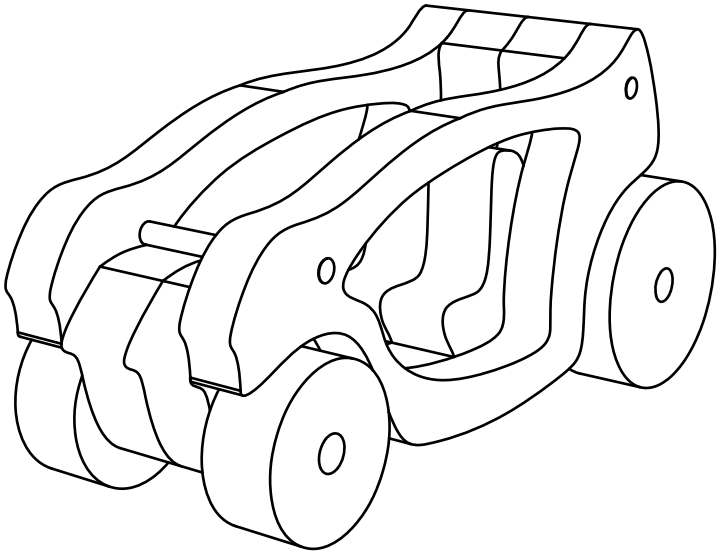


1/8" dia hole thru do the same for all 5 cars

1/4" dia hole thru all 5 cars

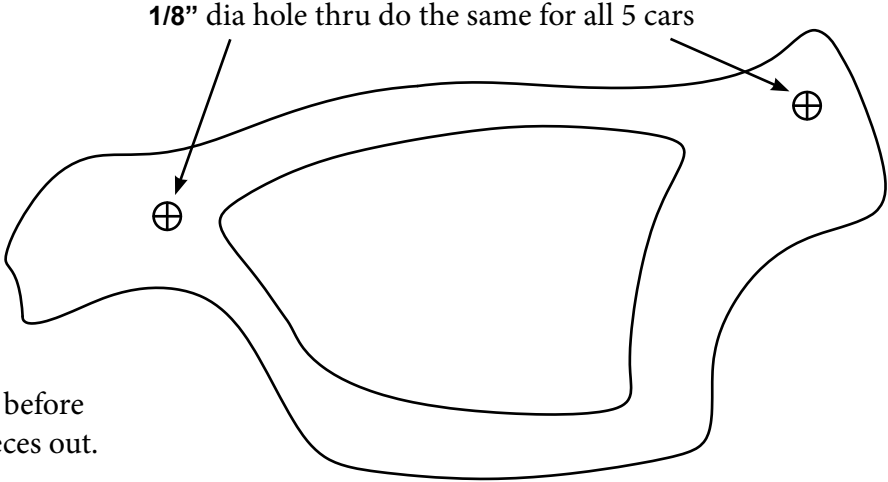


Make from 1" or if you are using a scroll saw make two at 1/2"

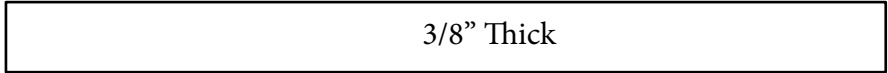


1/8" dia hole thru do the same for all 5 cars

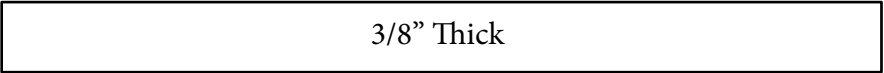
Note
Drill the holes before
you cut the pieces out.



1/8" dia hole thru do the same for all 5 cars



3/8" Thick

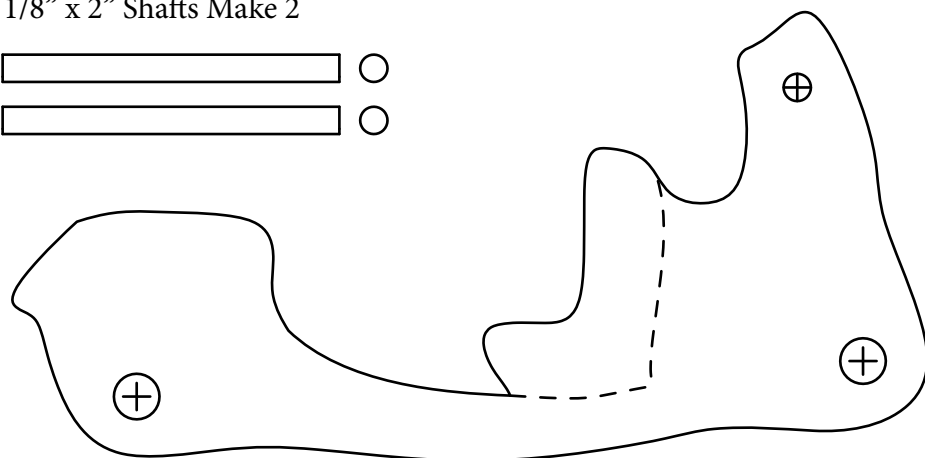
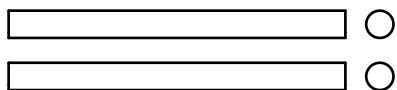


3/8" Thick



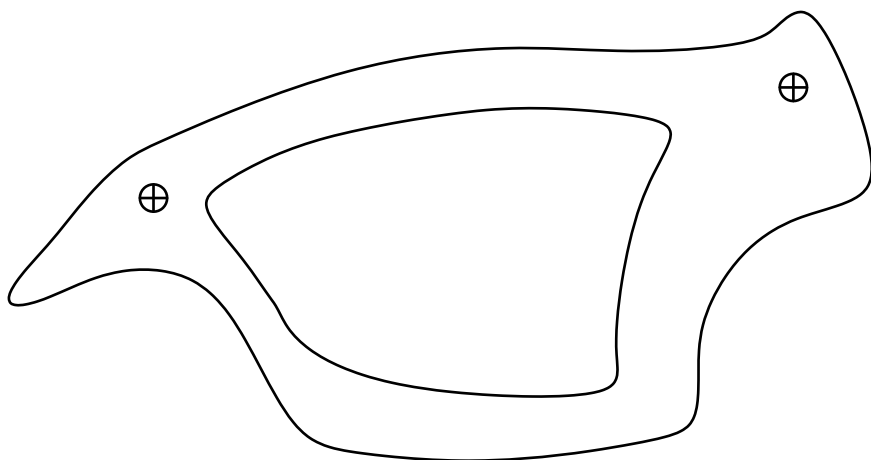
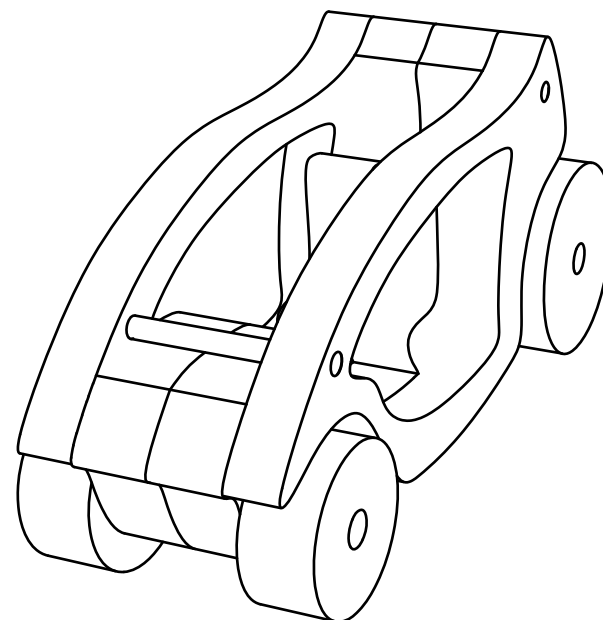
ACTUAL SIZE

1/8" x 2" Shafts Make 2

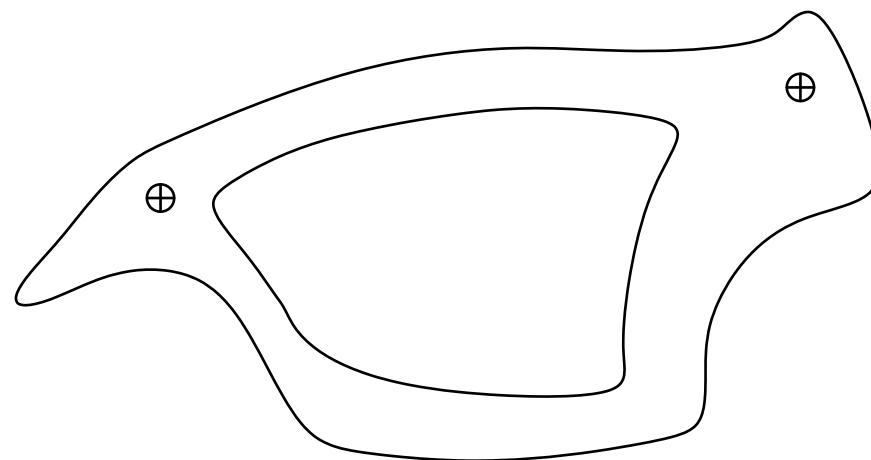


Make from 1" or if you are using a scroll saw make two at 1/2"

Formy



3/8" Thick



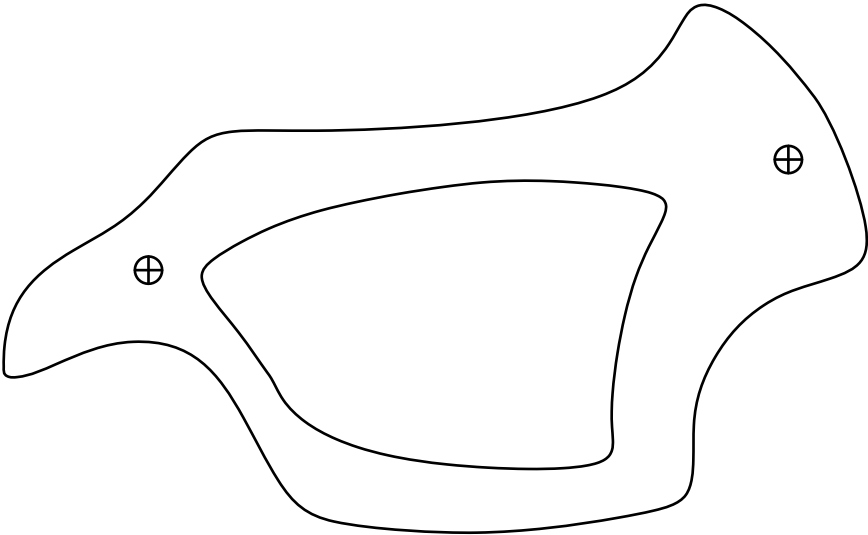
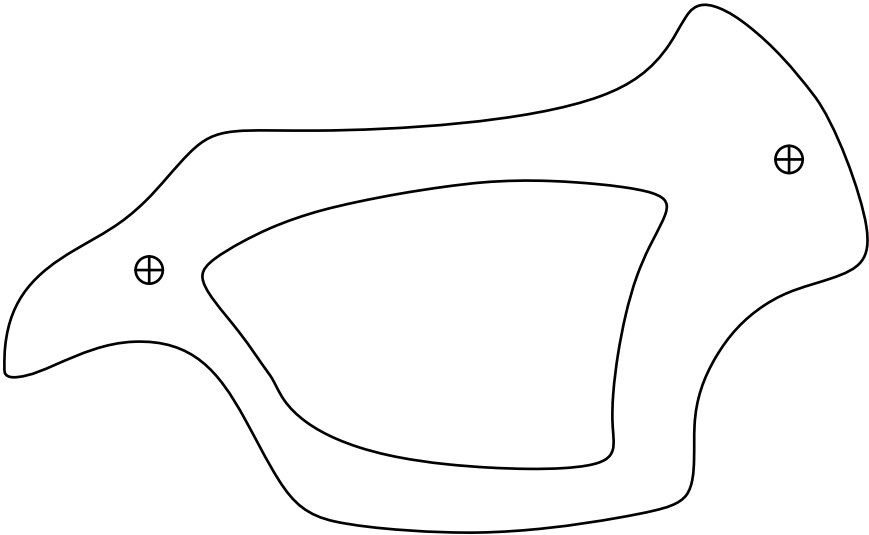
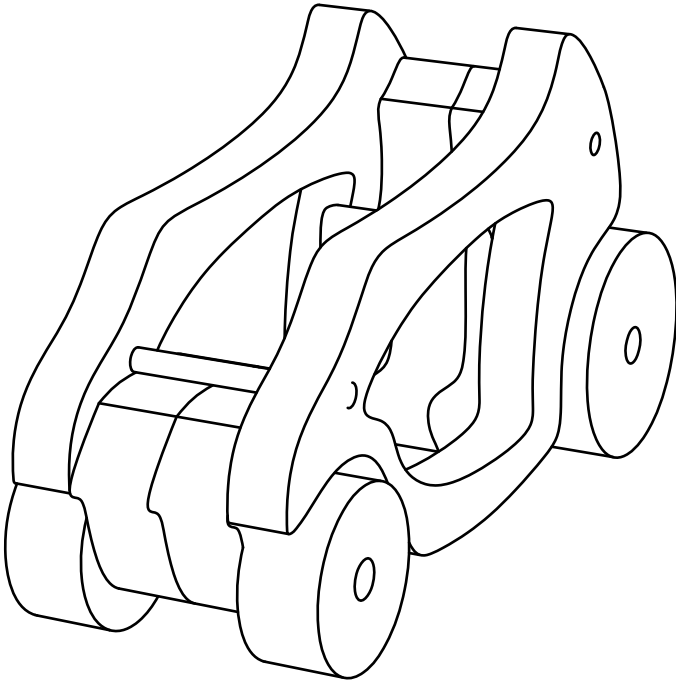
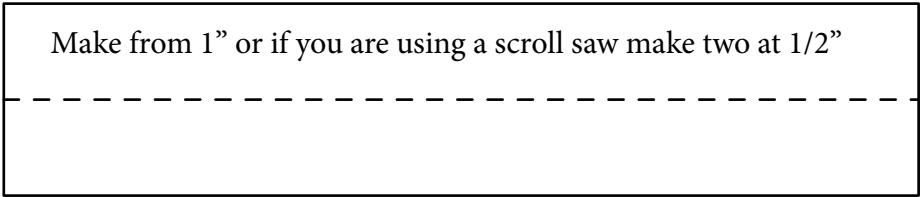
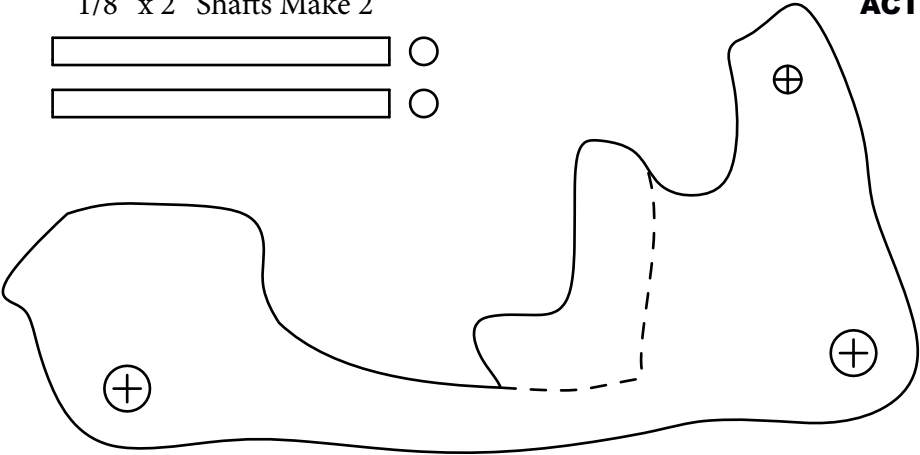
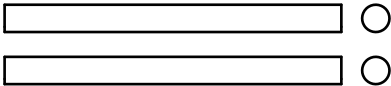
3/8" Thick

Toy Buddies



Nasy

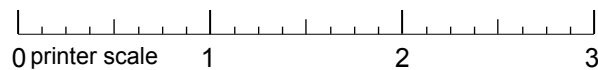
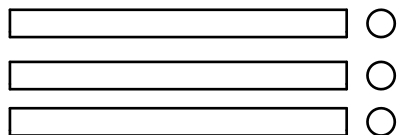
1/8" x 2" Shafts Make 2



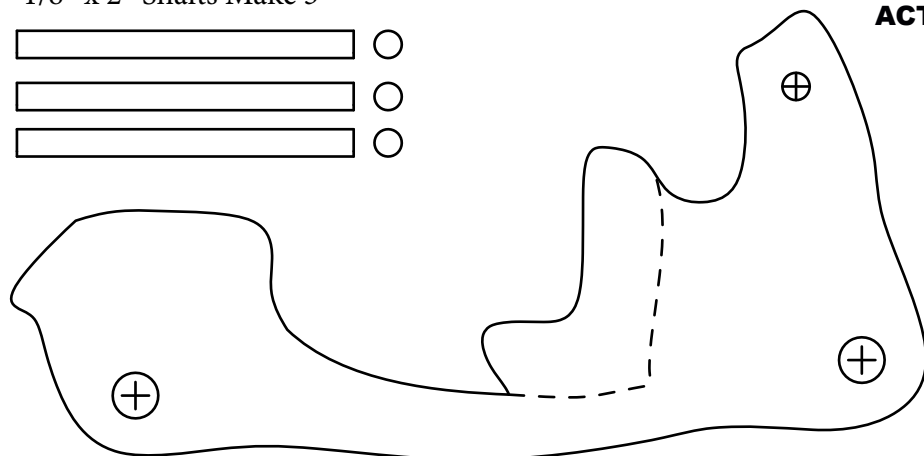
3/8" Thick

3/8" Thick

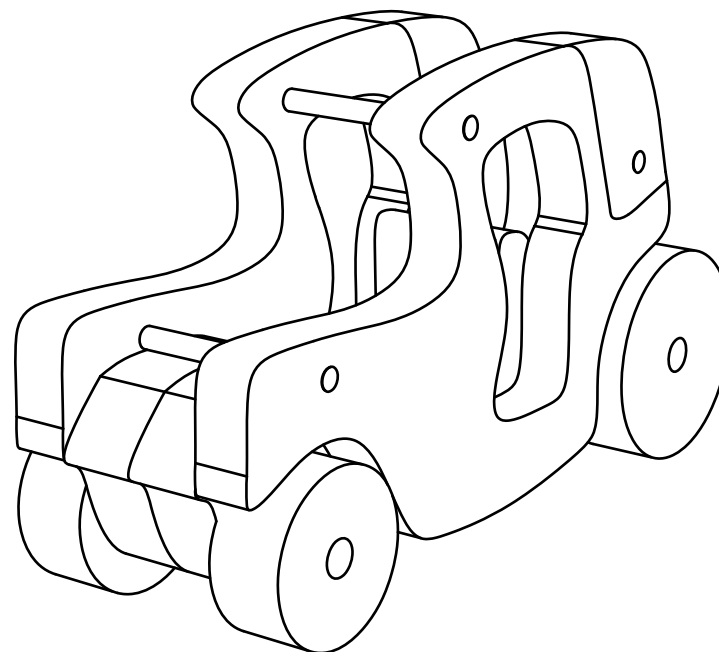
1/8" x 2" Shafts Make 3



ACTUAL SIZE



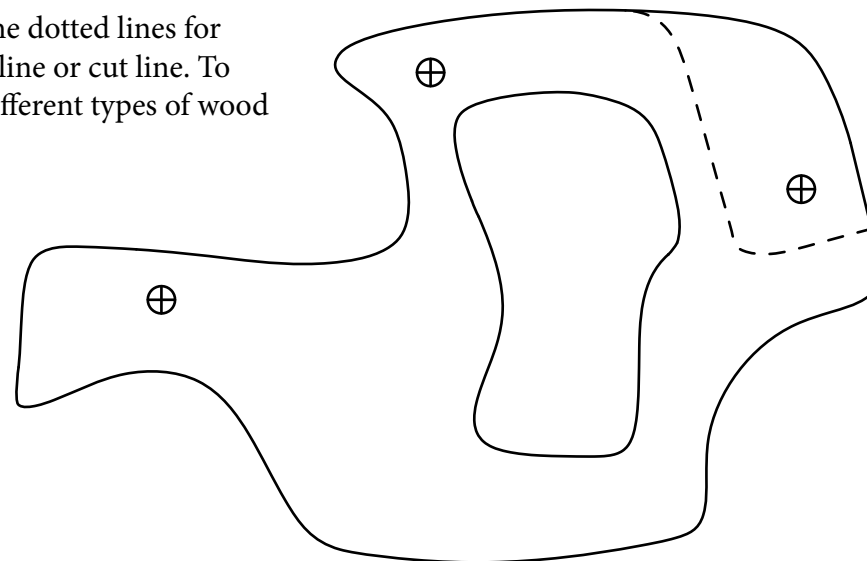
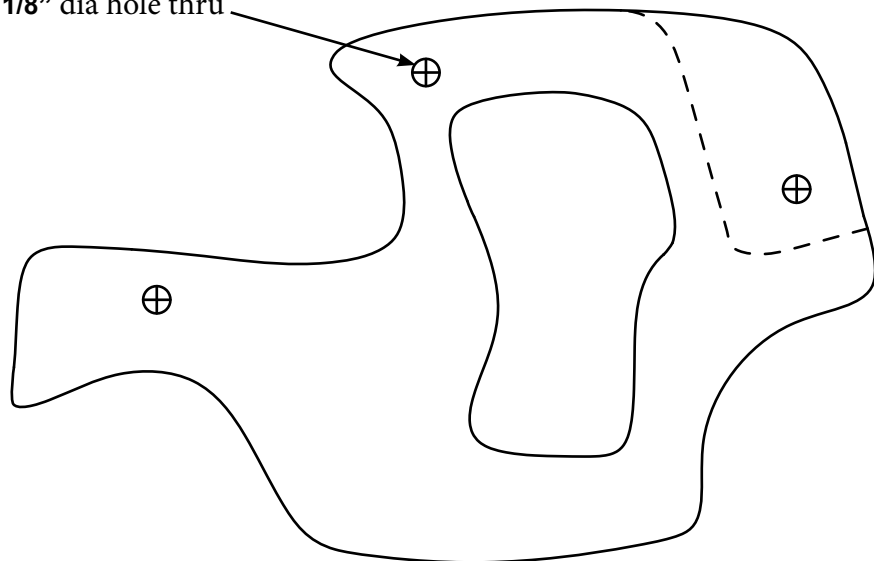
Rody



Make from 1" or if you are using a scroll saw make two at 1/2"

1/8" dia hole thru

Use the dotted lines for
paint line or cut line. To
use different types of wood



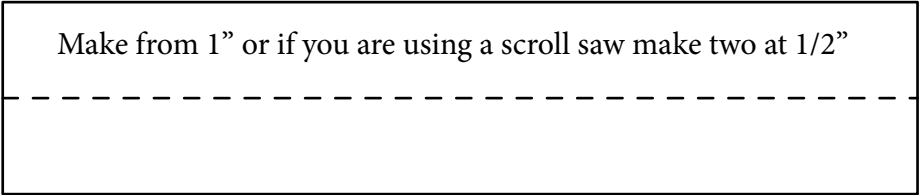
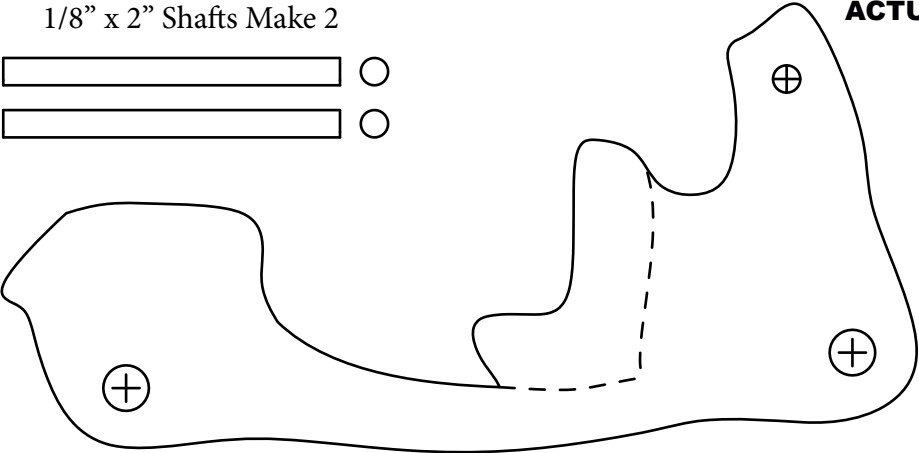
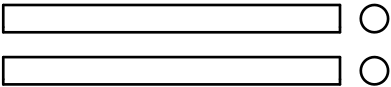
3/8" Thick

3/8" Thick

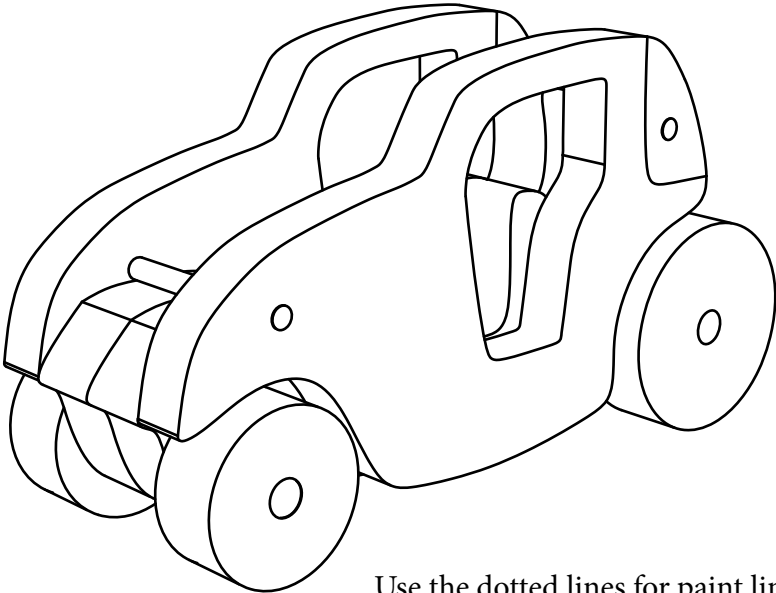
Toy Buddies



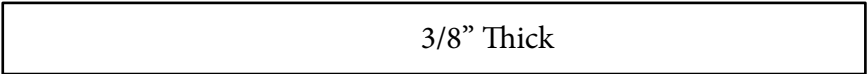
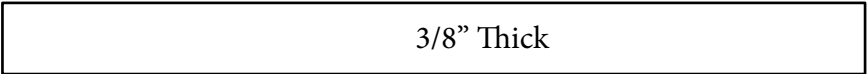
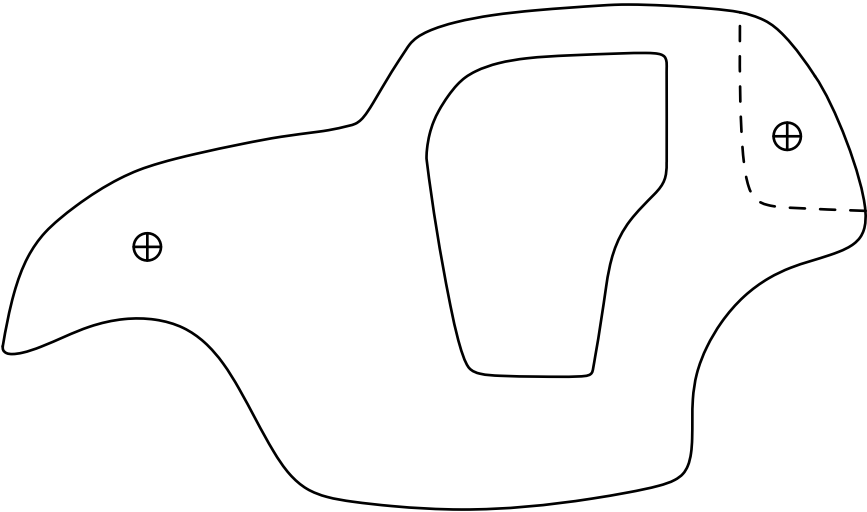
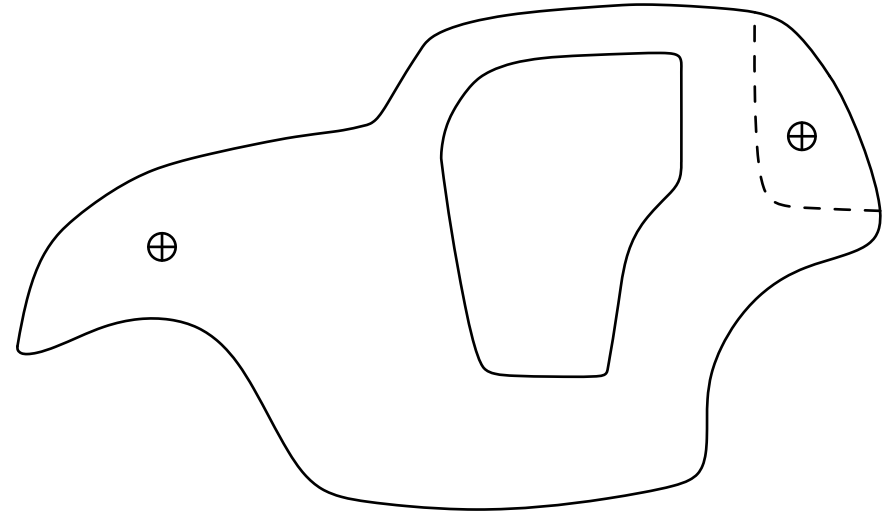
1/8" x 2" Shafts Make 2

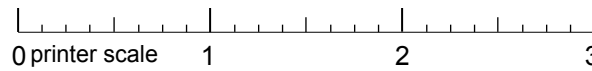


Bugy



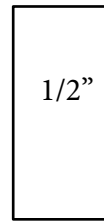
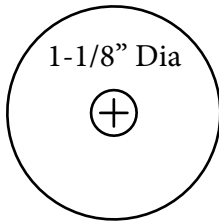
Use the dotted lines for paint line or cut line. To use different types of wood .



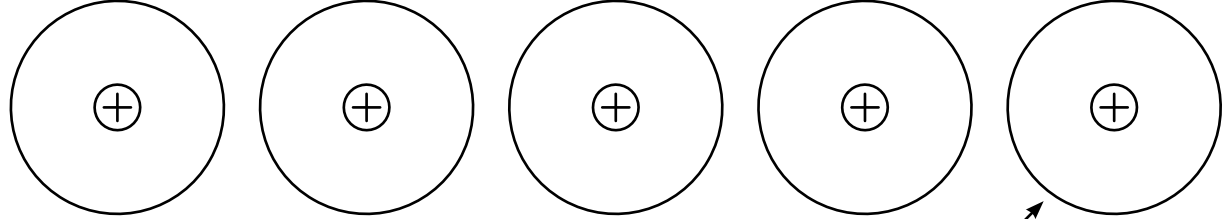


ACTUAL SIZE

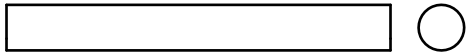
Wheels
www.craftparts.com
Part #TWF100 Buy 10
 1" Dia. x 3/8" thick
 Hole size 1/4"



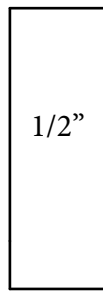
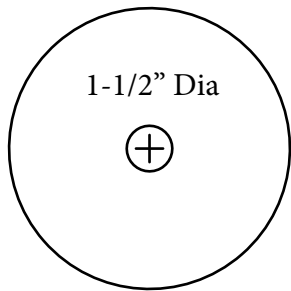
1/4" dia hole thru all the Wheels



1/4" x 2" Shafts for all the cars. Make 10

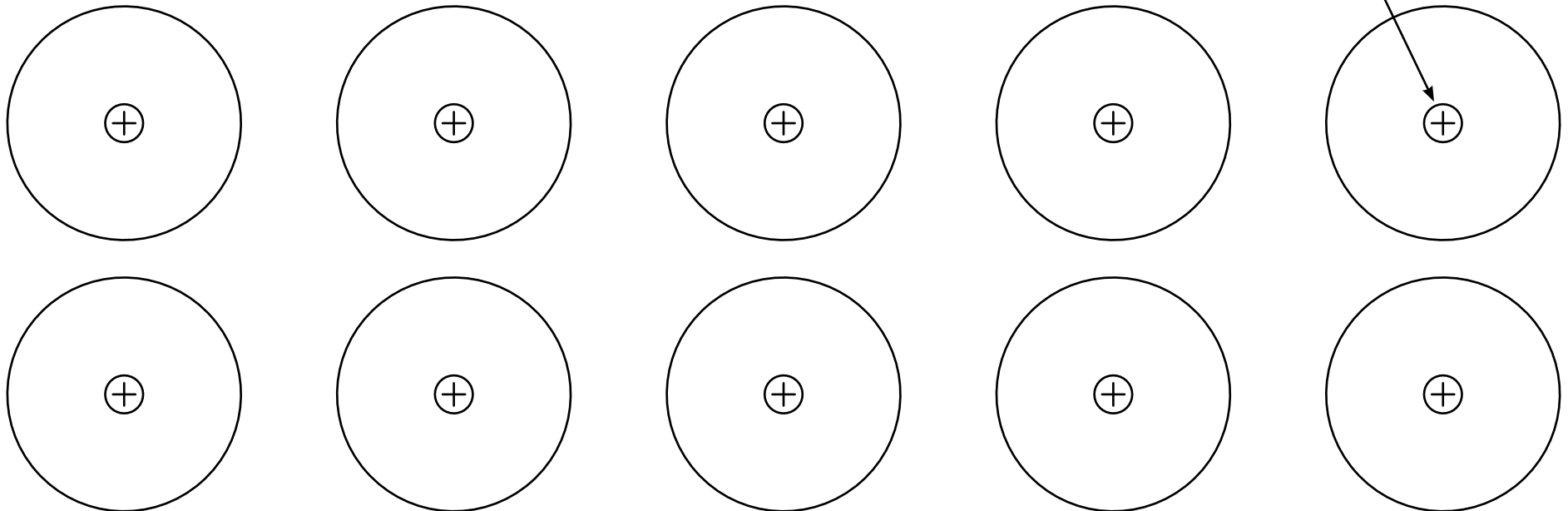
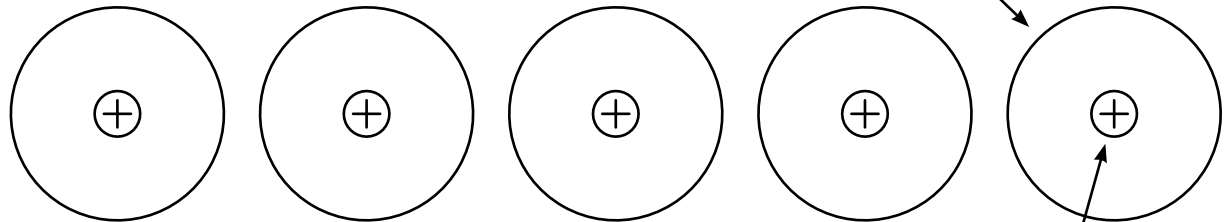


Note the wheels on this plan are 1-1/8" Dia x 1/2" if you buy the wheels online they will be 1" Dia. x 3/8"



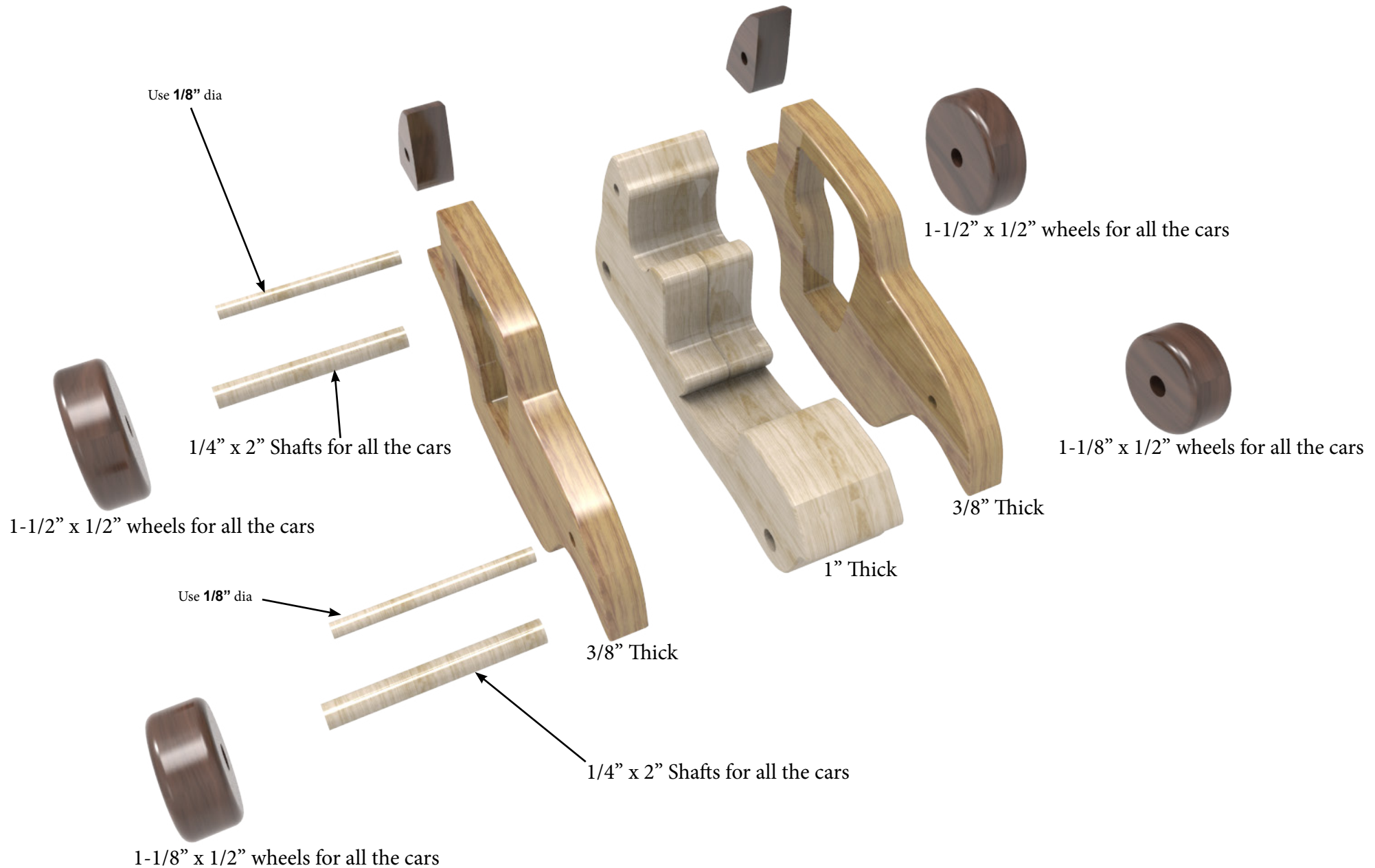
Wheels
www.craftparts.com
Part #TWF150 Buy 10
 1-1/2" Dia. x 1/2" thick
 Hole size 1/4"

1/4" dia hole thru all the Wheels



Toy Buddies

Use the dotted lines for paint line or cut line. To use different types of wood or you can cut the pieces off at the dotted lines & stain or paint then glue back in place.





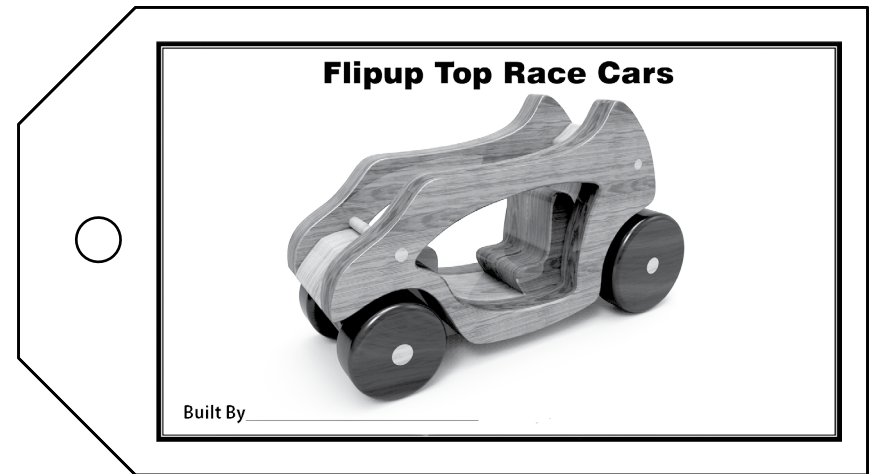
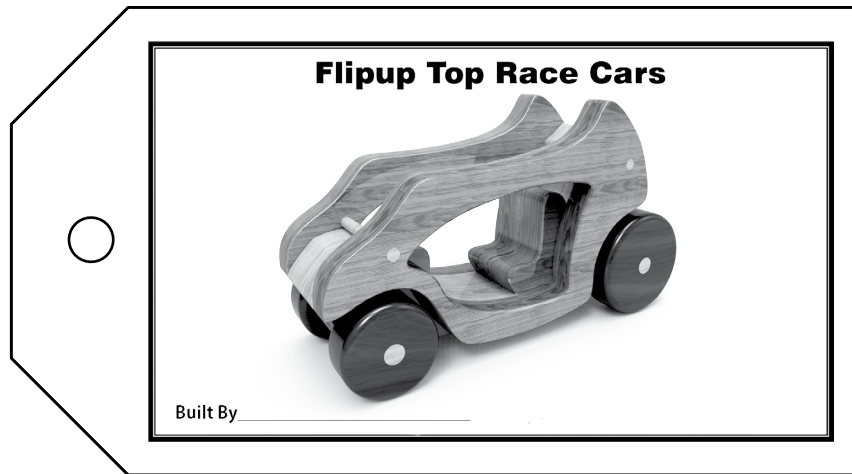




Race car Buddies

Flipup Top Race Cars





Tags



CONVERSION CHARTS

25.4 Millimeters = 1 inch; 2.54 Centimeters = 1 inch

INCHES INTO MILLIMETERS

Inches	Millimeters
1	25.40
2	50.80
3	76.20
4	101.60
5	127.00
6	152.40
7	177.80
8	203.20
9	228.60
10	254.00
11	279.40
12	304.80
13	330.20
14	355.60
15	381.00
16	406.40
17	431.80
18	457.20
19	482.60
20	508.00
21	533.40
22	558.80
23	584.20
24	609.60
25	635.00
26	660.40
27	685.80
28	711.20
29	736.60
30	762.00
31	787.40
32	812.80
33	838.20
34	863.60
35	889.00
36	914.40
37	939.80
38	965.20
39	990.60
40	1,016.00
41	1,041.40
42	1,066.80
43	1,092.20
44	1,117.60
45	1,143.00
46	1,168.40
47	1,193.80
48	1,219.20
49	1,244.60
50	1,270.00
100	2,540.00
200	5,080.00
300	7,620.00
400	10,160.00
500	12,700.00
1000	25,400.00

MILLIMETERS INTO INCHES

MM	Inches	MM	Inches
1	.0394	51	2.0079
2	.0787	52	2.0472
3	.1181	53	2.0866
4	.1575	54	2.1260
5	.1969	55	2.1654
6	.2362	56	2.2047
7	.2756	57	2.2441
8	.3150	58	2.2835
9	.3543	59	2.3228
10	.3937	60	2.3622
11	.4331	61	2.4016
12	.4724	62	2.4410
13	.5118	63	2.4803
14	.5512	64	2.5197
15	.5906	65	2.5591
16	.6299	66	2.5984
17	.6693	67	2.6378
18	.7087	68	2.6772
19	.7480	69	2.7165
20	.7872	70	2.7559
21	.8268	71	2.7953
22	.8661	72	2.8347
23	.9055	73	2.8740
24	.9449	74	2.9134
25	.9843	75	2.9528
26	1.0236	76	2.9921
27	1.0630	77	3.0315
28	1.1024	78	3.0709
29	1.1417	79	3.1102
30	1.1811	80	3.1496
31	1.2205	81	3.1890
32	1.2598	82	3.2284
33	1.2992	83	3.2677
34	1.3386	84	3.3071
35	1.3780	85	3.3465
36	1.4173	86	3.3858
37	1.4567	87	3.4252
38	1.4961	88	3.4646
39	1.5354	89	3.5039
40	1.5748	90	3.5433
41	1.6142	91	3.5827
42	1.6535	92	3.6221
43	1.6929	93	3.6614
44	1.7323	94	3.7008
45	1.7717	95	3.7402
46	1.8110	96	3.7795
47	1.8504	97	3.8189
48	1.8898	98	3.8583
49	1.9291	99	3.8976
50	1.9685	100	3.9370

FRACTIONS INTO MILLIMETERS

Fraction	Inches	Millimeters
1/64	.01562	.3969
1/32	.03125	.7938
3/64	.046875	1.1906
1/16	.0625	1.5875
5/64	.078125	1.9844
3/32	.09375	2.3812
7/64	.109375	2.7781
1/8	.125	3.175
9/64	.140625	3.5719
5/32	.15625	3.9688
11/64	.171875	4.3656
3/16	.1875	4.7625
13/64	.203125	5.1594
7/32	.21875	5.5562
15/64	.234375	5.9531
1/4	.25	6.35
17/64	.265625	6.7469
9/32	.28125	7.1438
19/64	.296875	7.5406
5/16	.3125	7.9375
21/64	.328125	8.3344
11/32	.34375	8.7312
23/64	.359375	9.1281
3/8	.375	9.525
25/64	.390625	9.9219
13/32	.40625	10.3188
27/64	.421875	10.7156
7/16	.4375	11.1125
29/64	.453125	11.5094
15/32	.46875	11.9062
31/64	.484375	12.3031
1/2	.5	12.7
33/64	.515625	13.0969
17/32	.53125	13.4938
35/64	.546875	13.8906
9/16	.5625	14.2875
37/64	.578125	14.6844
19/32	.59375	15.0812
39/64	.609375	15.4781
5/8	.625	15.875
41/64	.640625	16.2719
21/32	.65625	16.6688
43/64	.671875	17.0656
11/16	.6875	17.4625
45/64	.703125	17.8594
23/32	.71875	18.2562
47/64	.734375	18.6531
3/4	.75	19.05
49/64	.765625	19.4469
25/32	.78125	19.8438
51/64	.796875	20.2406
13/16	.8125	20.6375
53/64	.828125	21.0344
27/32	.84375	21.4312
55/64	.859375	21.8281
7/8	.875	22.225
57/64	.890625	22.6219
29/32	.90625	23.0188
59/64	.921875	23.4156
15/16	.9375	23.8125
61/64	.953125	24.2094
31/32	.96875	24.6062
63/64	.984375	25.0031
1	1.0	25.40





