

Bill of Materials

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Item	Name	Material
1	Upright	3/8" x 2" x 4.1" Aluminum Rectangle
2	Cylinder	1" x 1" x 2.1" Aluminum Square
3	Piston	0.625" dia. x 2" Steel Round
4	Crank Pin	9/64" dia x 1" Drill Rod
5	Crank Wheel	2" dia. X 0.6" Aluminum Round
6	Nut	6-32 Steel Machine Screw Nut
7	Setscrew	6-32 x 1/8" Cup Point Socket Set Screw
8	Cap Screw (2)	10-32 x 1/2" Socket Head Cap Screw
9	Base	3/8" x 4" x 4.1" Aluminum Rectangle
10	Crank Shaft	1/4" dia x 2" Drill Rod
11	Nut	1/4-28 Steel Machine Screw Nut
12	Flywheel	2.5" dia. x 0.6" Aluminum Round
13	Machine Screw	10-32 x 1.5" Pan Head Phillips Machine Screw
14	Spring	Steel Spring, 1" Long, 11/32" OD, 0.047" Wire
15	Flat Washer	10 Flat Washer
16	Air fitting	10-32 Thread x 1/8" Hose Air Fitting

Notes

Break all sharp edges
Tolerance ±0.010 unless specified

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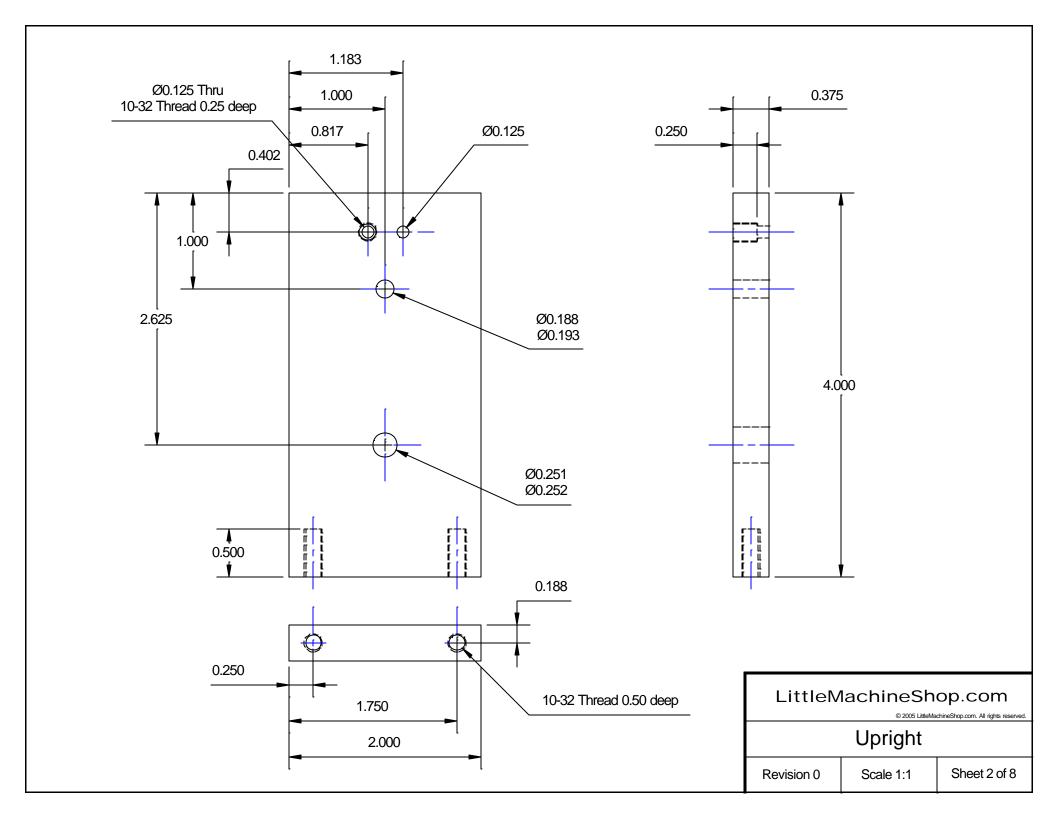
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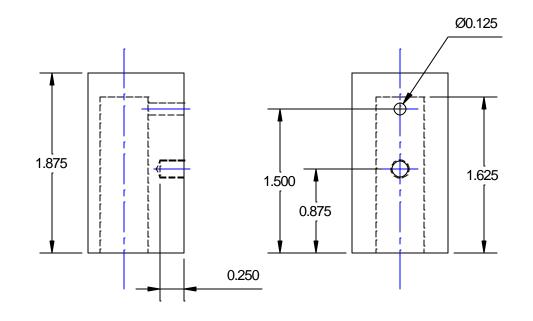
Oscillating Engine Assembly

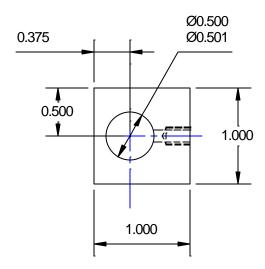
Revision 0

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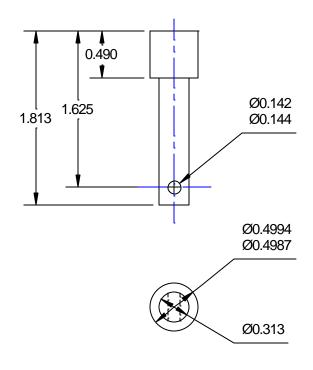
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Cylinder	

Revision 0 Sca

Scale 1:1

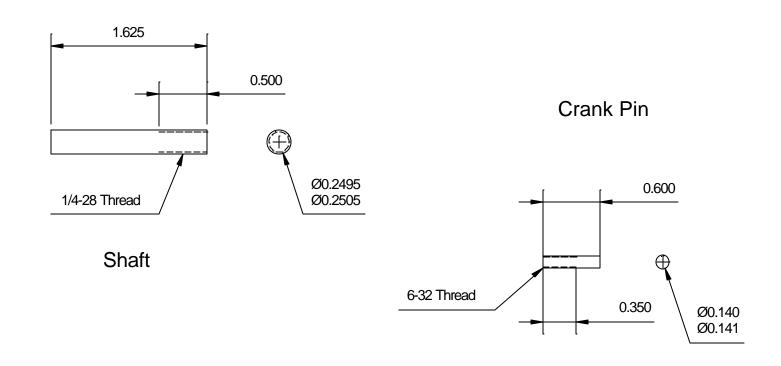
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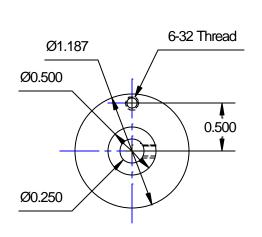
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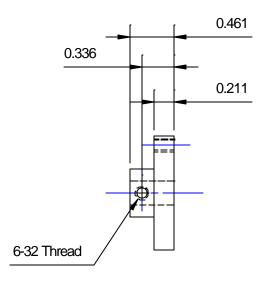
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	Piston	
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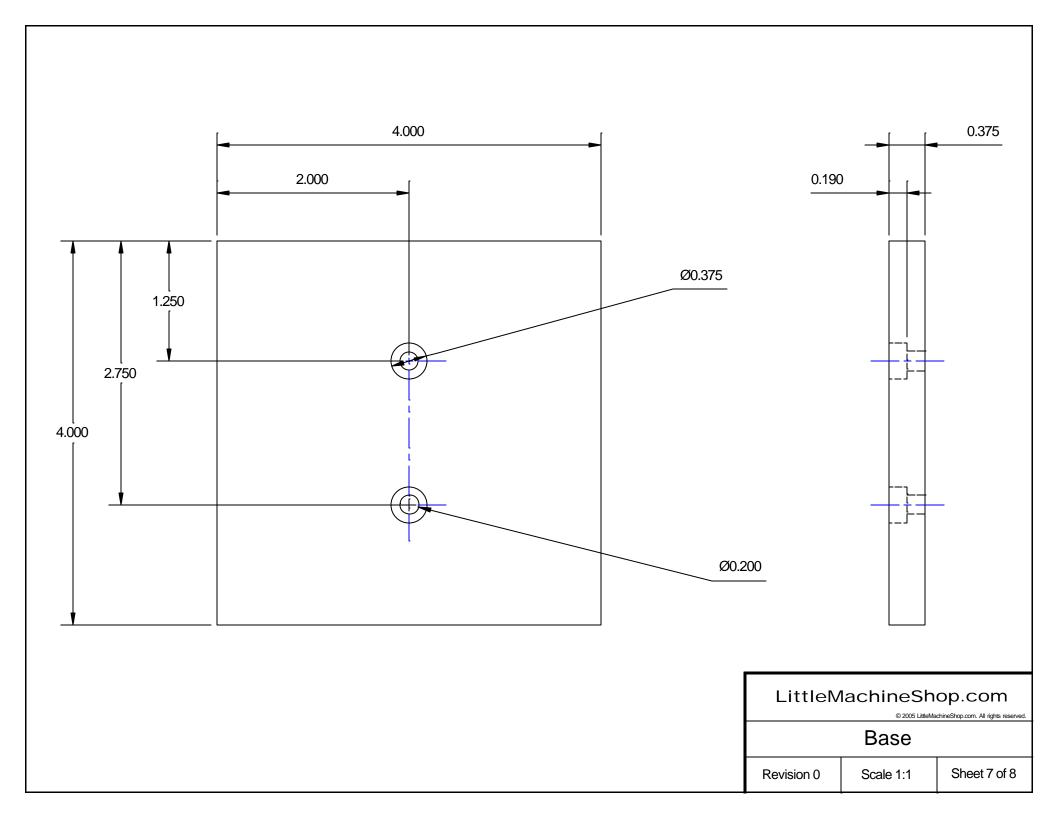
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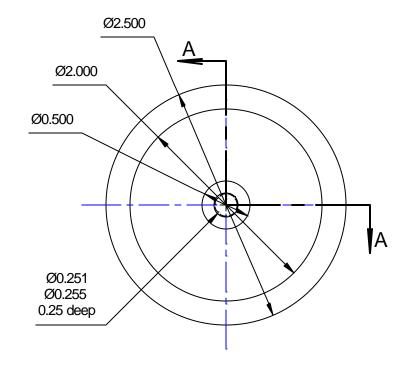
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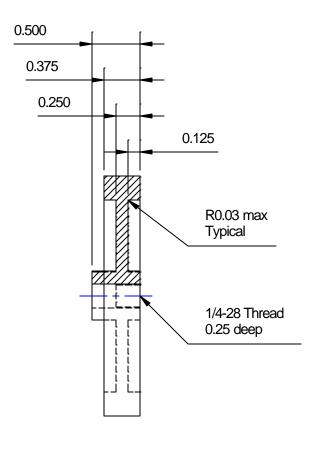
Crank Wheel

Revision 0 Scale 1:1

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	Flywheel	
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