



Part	Description	Material	No off
1	Steam Chest Cover	Aluminum	1
2	Master Connecting Rod	Aluminum	1
3	Air Tube	Copper or Brass	1
4	Cylinder Head	Aluminum	6
5	Cylinder Boss	Aluminum	3
6	Cylinder	Brass	3
7	Cylinder Liner	Aluminum	3
8	Gudgeon Pin	Cast Iron	3
9	Piston	Silver Steel	3
10	Fly Wheel	Cast Iron	3
11	M8 Nut	Cast Iron or Brass	1
12	Collette	Brass	1
13	Bearings	Aluminum	1
14	Main Bearing Housing	3/8*7/8*9/32"	2
15	Spacer	Aluminum	1
16	Crank Shaft	Mild Steel	1
17	Slave Connecting Rod	Mild steel	1
18	Crank Case	Aluminum	2
19	Return Crank	Aluminum	1
20	Steam Chest	Mild Steel	1
21	Port Flange	Aluminum	1
22	Driftal Valve	Phosphor Bronze	1
23	Breather	Cast Iron	1
24	M3 Dome Nuts, Washers	Brass	1
	M3 Counter Sunk Screws	Stainless Steel	36
	M3 Studling	Mild Steel	3
		Mild Steel	12"

Builders Notes

The design for this engine was derived so that it could be built using small home workshop machinery, using bar material.

The design has areas of pure cosmetic function that the builder may wish to eliminate or simplify to ease manufacture. Material choiser- us what ypu have available, but some materials may limit the life of the engine. Functional features such as: crank throw, valve ports, and crank case volume, should only be changed with thought, and care.

Drawing Standards Followed :- None, I made my own up. All sizes are in metric, but in most cases they will convert into a direct imperial fractional size.

The most important thing is to work safely, and to enjoy your Model Engineering.

Pottyengineering				
Stewart Hart		DATE	Dec 2009	SCALE
TITLE		Assembly and parts list		
Potty Three		DRAWING_NUMBER	Sheet	
Cylinder Radial			SHEET	