Floating Head Piston Launcher Design - July 08, 2004

Design & Drawn by: John E. McCoy Sr. - Nar-15731 revised 11-27-12

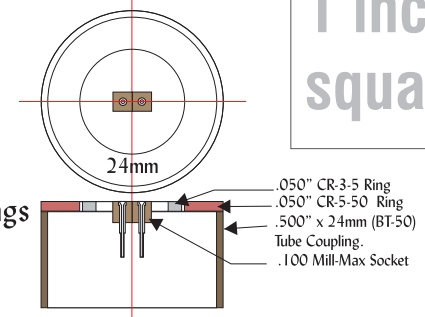
Dwg:C2-a2a

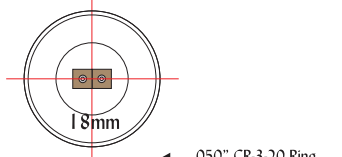
1 inch square

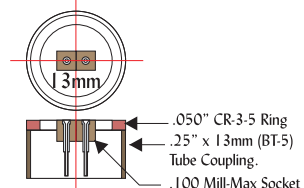
30ga. Nichrome Pyrogen tipped Igniter soldered to .100" Mill-Max Socket.

Floating Head:
3/16"long Tube Coupler with Centering Rings and .100" Mill-Max Socket (Epoxy Filled).

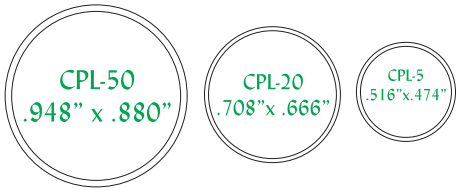
.100" Mill-Max Socket soldered to 18/2 lead 12" to 18"long Lead with Heat shrink tube, epoxy imbedded.

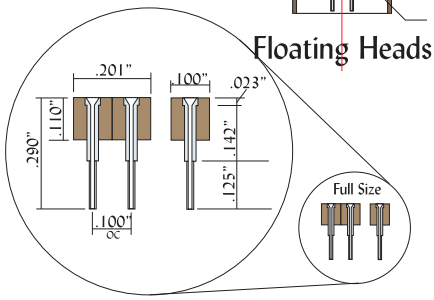


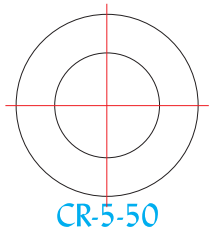


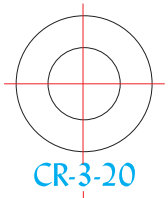


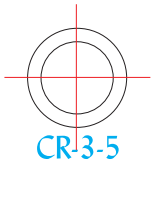
Floating Heads







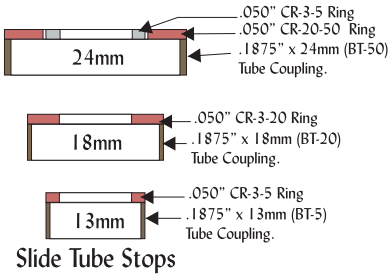




BT-5, 20 or 50 Standard Slide tube (9.0" Long preferred).

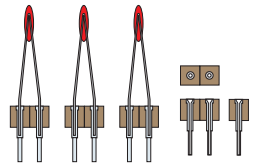
BT-50 (.976") x 9.0" long Slide Tube

3/8" 6061-T6 Alum. Tube .049" wall x 12" long



Slide Tube Stops

Slide Tube Stop with Centering ring above.

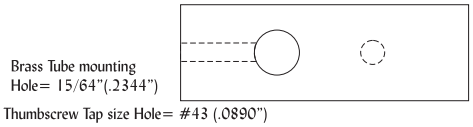


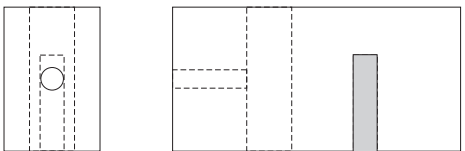
Allied Electronics 20 pin .100" Mill-Max Socket Strip
Cat. # 900-0265
(Manufacturers No-310-93-120-41-001000)
Razor Saw into 10 - 2pin Segments.

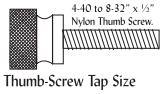
18ga wire

3/8" ID, 1/4"OD Support tube 12" to 16" long.

Wood, Acrylic or other material " x 1-1/2" x 3/4" Base Block with Thumbscrew stop.







Thumb-Screw Tap Size
4-40"= #43Bit (.0890")
6-32"=#36 Bit (.1065")
8-32"=#29 Bit (.1360")

Off-Set 1/8" x 3" Launch Rod

1/8" x 1.25" rod

Clear Acrylic Mounting Base
3/4" x 1-1/2" x ½"

Drawn @ 75% Full Size