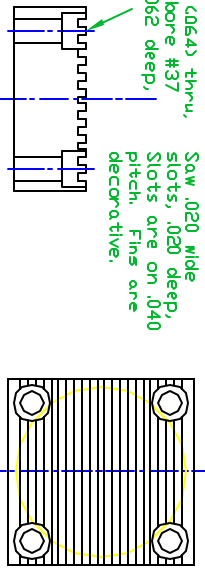
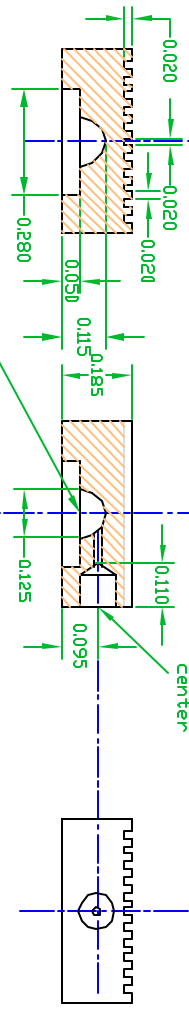


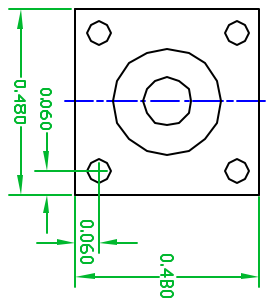
Drill #52 (.064) thru, Counter bore #37 (.104) X .062 deep, 4 places.
Saw .020 wide slots, .020 deep, Slots are on .040 pitch. Fins are decorative.



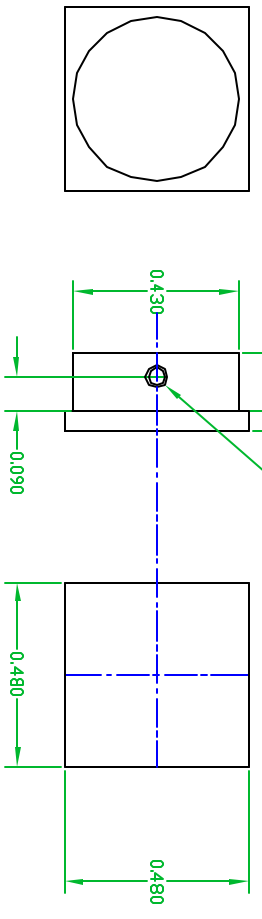
Drill .093, Drill #76 (.020) to center



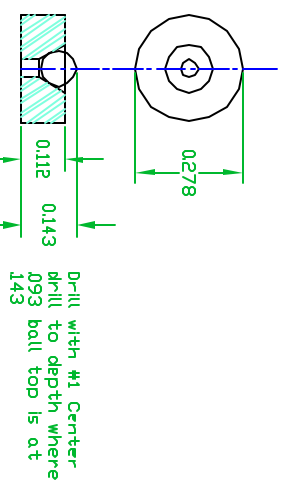
use 1/8 ball end mill



Drill 3/4 X 1/4 deep, Tap 0-80 X 1/8 deep, 2 sides.



Thickness of the seat is .005 - .010 more than the combined counter bore depths in head and cylinder. Make from brass, nylon, delrin. Ball must make a air tight seal, no chatter in tapered seal area. Pin length should lift ball .010 - .015 at TDC.



Drill with #1 Center drill to depth where .093 ball top is at .143

David Kerzel

Pompano Beach, Florida USA

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Assembly
Mini CO2 Vertical 1

Title
Head & Back Cover

Date: 08/10/2003 Drawing
Revision: 11 Mini_V1-03