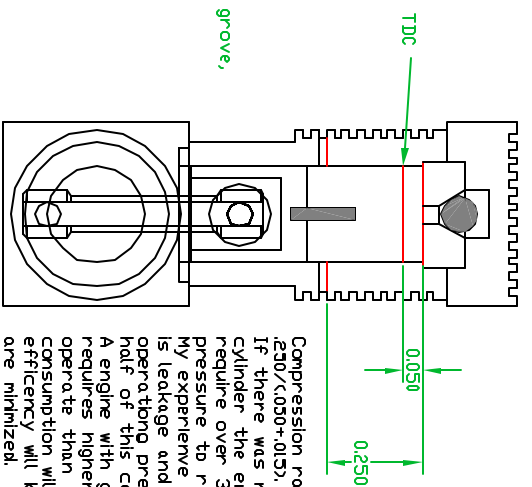
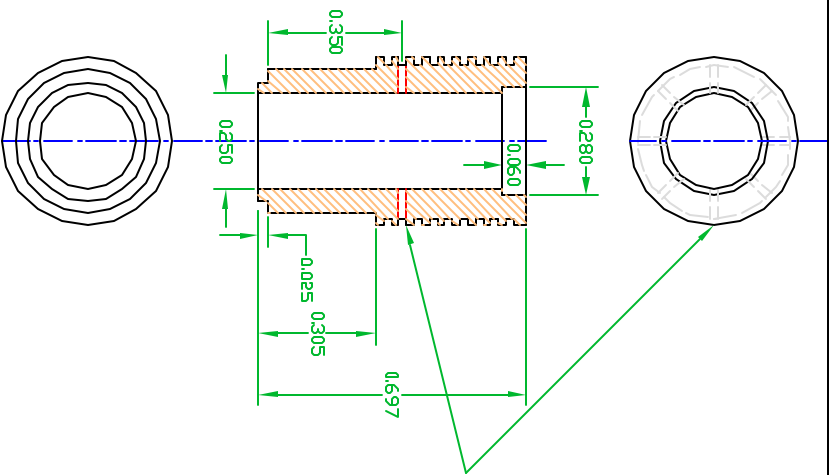
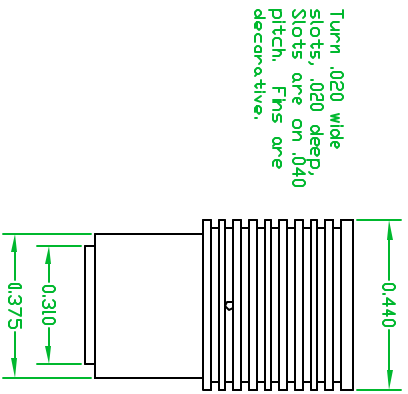
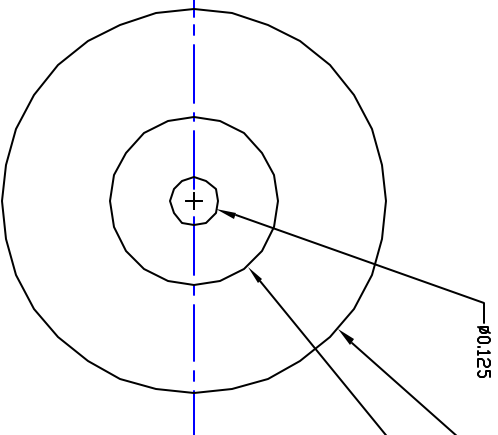
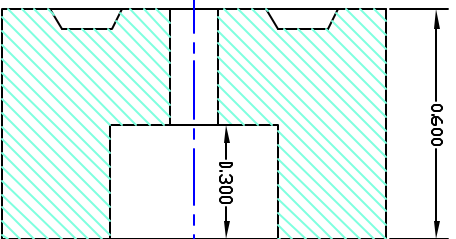
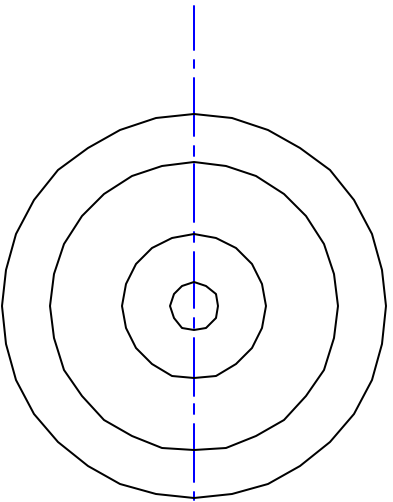


CYLINDER



Compression ratio is $3.85:1 = \frac{2.70}{(.050+.015)}$.
 If there was no leakage in cylinder the engine would require over 3.85 X 14.7 PSI of pressure to run.
 My experience has shown there is leakage and that actual operating pressure is about half of this calculation, 30PSI. A engine with good seals requires higher pressure to operate than a leaking one. Air consumption will be less and efficiency will be high if leaks are minimized.
 Operate on the lowest pressure that runs smoothly. The exhaust noise should be very slight because the air will have expanded before the exhaust ports are reached.

FLYWHEEL



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Assembly

Mini CO2 Vertical 1

Title

Cylinder & Fly Wheel

Date: 08/03/2003

Drawing

Revision: 1.0

Mini_V1-02