

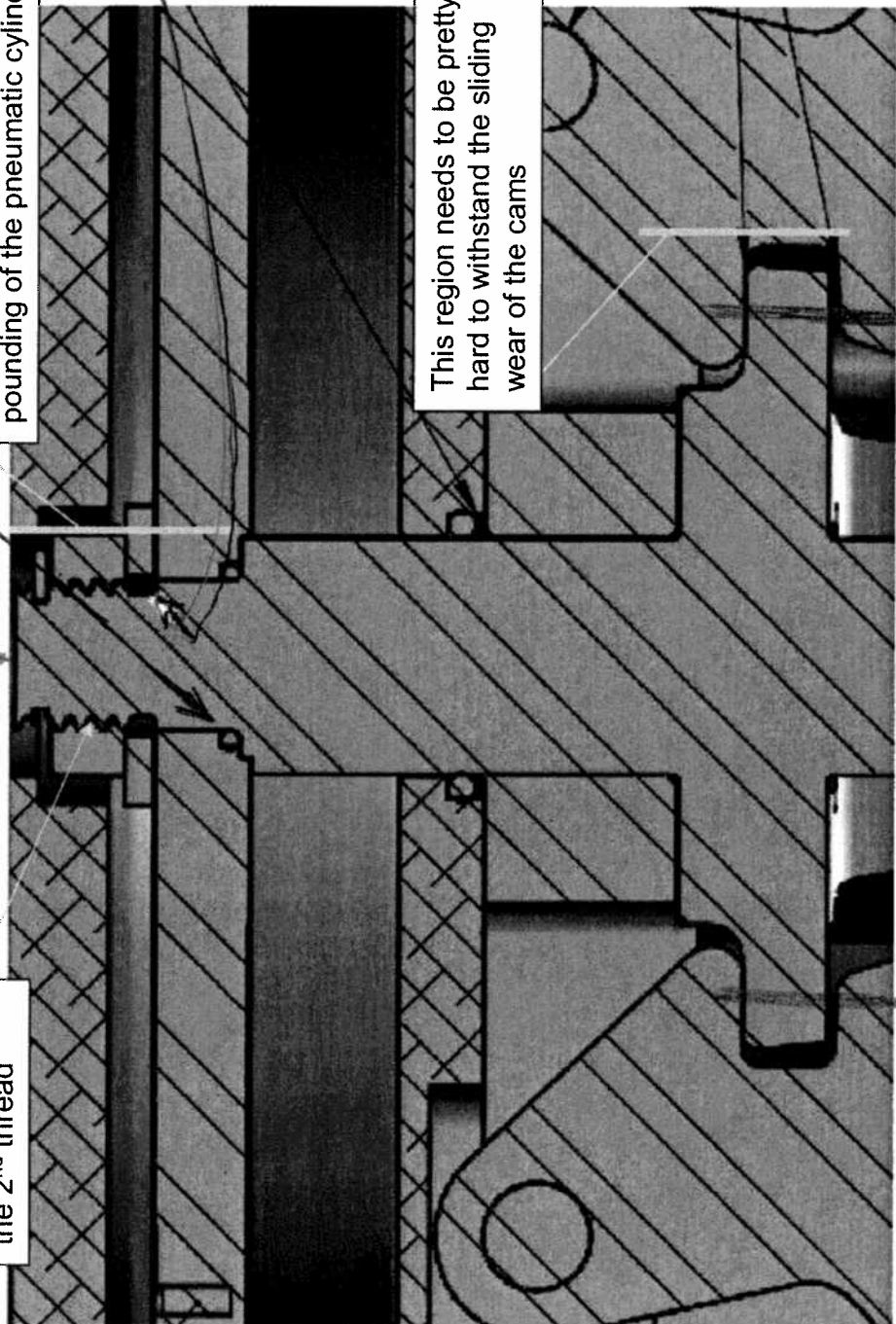
CAN THIS BE
BROUGHT STRAIGHT
DOWN? (REDUCES
SPRING CONSTANT
ENDS?)

SEAL?

Failure occurred
here, at the root of
the 2nd thread

THREAD HERE?

This region needs to be pretty
tough to withstand the tensile
pounding of the pneumatic cylinder

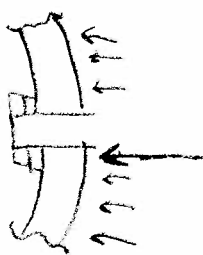


This region needs to be pretty
hard to withstand the sliding
wear of the cams

← AIR
GAP?
IS THIS A
PRESSURIZED
AREA?

THIS CORNER MAY
CONTRIBUTE TO
STRESS CONCENTRATION
AT THREAD ROOT.

IS THIS
PLATE IN
BENDING?



YOU WANT
TO PREVENT
ROTATION
HERE. MAKE
PLATE DEEPER
AT SHAFT



✓ CAMS PRODUCE
AXIAL LOAD HERE?