

12) Countersink all three Ø.150" holes – indexing 120 degrees each time. Cut 7 approx. .010" deeper to account for clean-up cut on OD in final step. Set quill stop or Z axis digital readout for consistent depth. (16:45)

Tools used: 1/2" X 100° HSS countersink, drill chuck, digital readout

Lathe Operations: No threaded bules - no tryping

Mount shield on tube component. Mount tube in 3-jaw chuck on the lathe with minimal stick-out. *Use copper shims between tube and chuck jaws to protect machined surfaces.* 

13) Turn Ø1.75" stock OD MINIMUM to 100% clean surface. (19:37) 457 RPM

Tools used: HSS turning tool, digital readout

**14)** Break inside and outside edges .015" max. (22:06) Tools used: HSS chamfering tool, digital readout

229 RPM

#14

D. 700"