HOW TO ADAPT NASCO OR PENN STATE REPLACEMENT BARREL TO FIT THE HEAVY DUTY BALAGE DRIVE ENDS

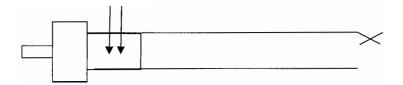
Directions to make heavy duty drive units fit the Penn State Barrel, the tube must be modified slightly.

STEP 1: Drill (enlarge) current hole in tube to 17/64"

(We like to use clevis pins for easy barrel removal and they are ¹/₄"-therefore by increasing barrel hole slightly, they slide in easier)

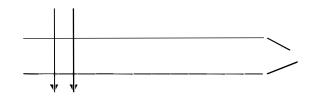
Remove any burrs

STEP 2: Insert drive unit into tube and drill through enlarged hole and drive unit to locate second hole, using ¹/₄" drill bit



STEP 3a: after drilling through, enlarge 2nd hole to 17/64"

3b: run bit all the way through to align holes



3c: remove any burrs

To run the probe we like to use a right angle cordless power drill. We also have available 1/2" & 3/8" heavy duty drive ends with a radius shank for strength.

Be <u>CAREFUL</u> you do NOT get tangled in drive clevis pin, including clothing, fingers or knuckles. ALSO, do NOT allow pin to come in contact with bale of hay, it will wrap around barrel.

Our cutting tips and heavy duty drive ends work excellent for sampling balage as well as dry hay. The cutting tips are <u>VERY SHARP</u>! When contacting skin, they will make hamburger. We recommend using our cleaning rod which has an integrated *safety* stop and will not splinter or get cut up like the wood ones.

If you have any questions, call me. Kendall Guither 815/878-5175 cell