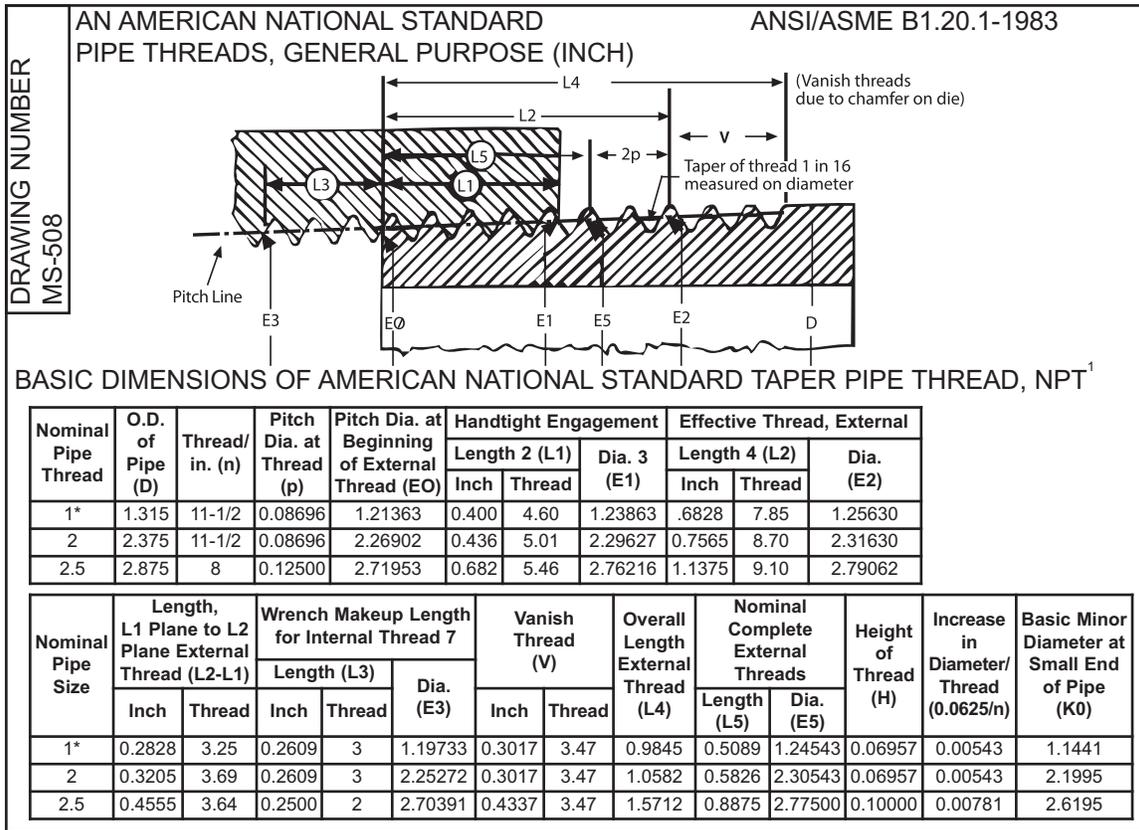




# Magnetel® Gauge Adapter Machining Standard



- Basic dimensions of the American National Standard Taper Pipe Thread are given in inches to 4 or 5 decimal places. While this implies a greater degree of precision than is ordinarily attained, these dimensions are the basis of the gauge dimensions and are so expressed for the purpose of eliminating errors in computations.
- Also length of thin ring gauge and length from gauging notch to small end of plug gauge.
- Also pitch diameter at gauging notch (handtight plane).
- Also length of plug gauge.
- The length L5 from the end of the pipe determines the plane beyond which the thread form is incomplete at the crest. The next 2 threads are complete at the root. At this plane, the cone formed by the crests of the thread intersects the cylinder forming the external surface of the pipe. L5=L2-2p
- Given as information for use in selecting tap drills.
- Military Specification MIL-P-7105 gives the wrench makeup as three threads for sizes 3 & smaller.
- Reference dimension.

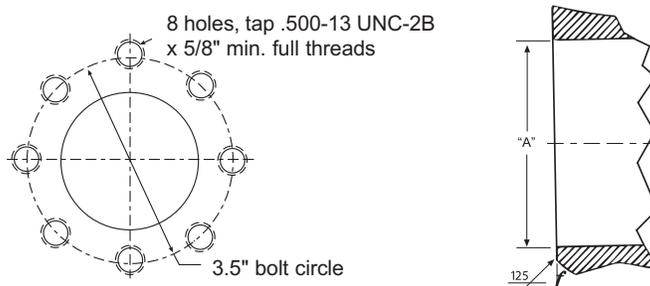
Thread	Dry Torque (ft-lb)
1" NPT	100 [136Nm]
2" NPT	138 [186 Nm]
2 1/2" NPT	146 [198 Nm]

Please see note 7 above.

NOTE: MOUNT STANDARD, STRADDLE MOUNT REQUIRES SPECIAL GAUGE CONSTRUCTION.

"A" = 2.320" for standard

"A" = 1.93" for "Y" Magnetel® if mounted, it will fit through a 2" pipe coupling but will NOT fit through 2" pipe nipple. (All "Y" Magnetel® gauges are furnished with a 2" NPT adapter.)



\* Robogauge & Eliminator

Note: Materials and specifications are subject to change without notice. Pressure ratings subject to change due to temperature and other environmental considerations.