

HELICAL GEAR DATA

NO. OF TEETH	19
PITCH DIAMETER (OPERATING)	2.0000
NORMAL PRESSURE ANGLE	20°
NORMAL DIAMETRAL PITCH	10
TRANSVERSE DIAMETRAL PITCH	9.5000
HELIX ANGLE	18°11'40"
HAND	LEFT
ADDENDUM	0.1000
DENDENDUM	0.1250
WHOLE DEPTH	0.2250
NORMAL CTRC. TOOTH THICKNESS	0.1551-0.1541
T.I.F. DIAMETER	1.8788
CENTER DISTANCE	3.0000
BASE DIAMETER	1.8676
PIN DIAMETER	0.1728
MEASUREMENT OVER PINS:	2.2282-2.2260
BACKLASH WITH MATE	0.004-0.006
AGMA QUALITY NUMBER	8
MATING GEAR NUMBER	0225-18032

- NOTES:
1. FACES "A" AND "B" MUST BE PARALLEL WITHIN .002 [0.051].
 2. FACE "A" MUST BE PERPENDICULAR TO 0.9890 [25.121] BEFORE H.T. DIAMETER WITHIN .001 [0.025].
 3. 0.9995 [25.387] DIAMETER AND GEAR P.D. MUST BE CONCENTRIC WITHIN .002 [0.051] T.I.R.
 4. FACES "A" AND "B" MUST BE PERPENDICULAR TO 0.9995 [25.387] DIAMETER WITHIN .002 [0.051].
 5. CARBURIZE AND HARDEN TO "Rc" 57-62, .025-.035 [0.64-0.89] EFFECTIVE CASE DEPTH.

SECTION A-A

