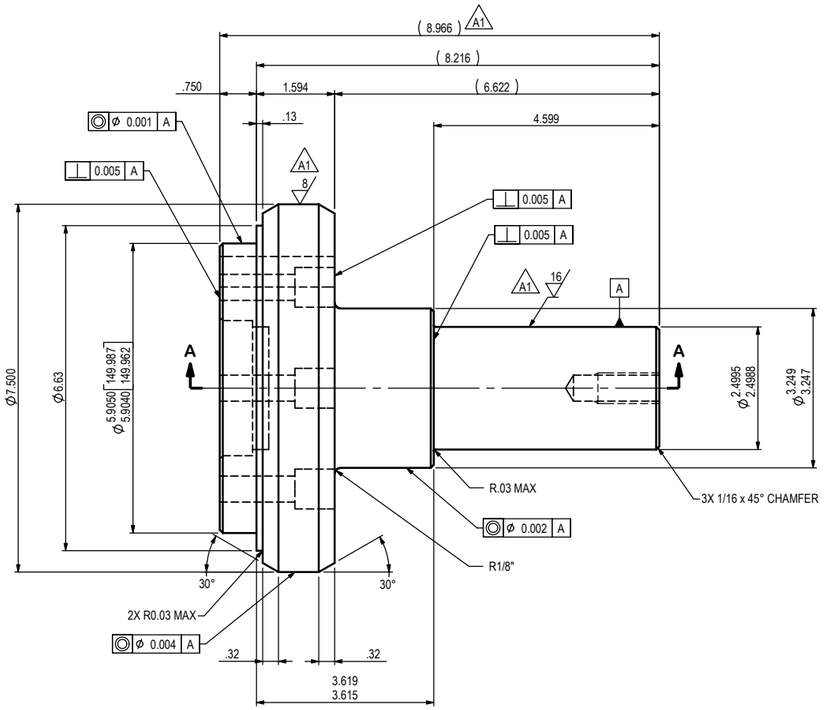

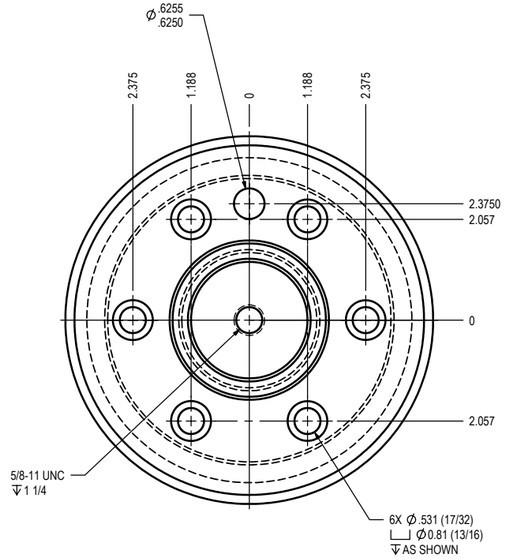

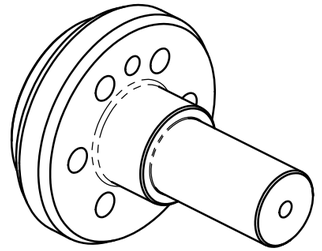

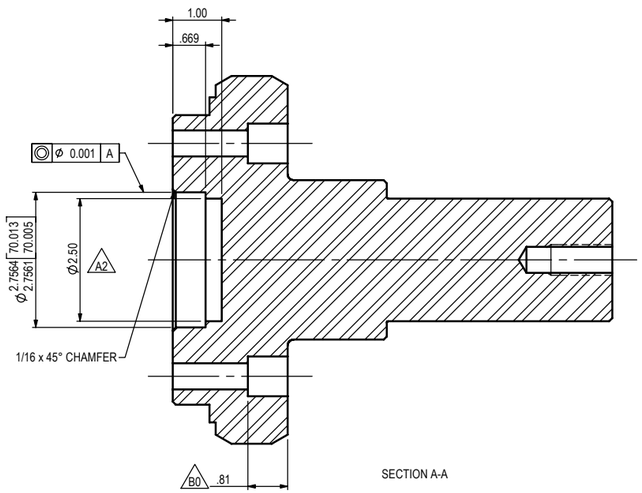

SECTION A-A

ZONE	REV.	DESCRIPTION	DATE	BY
A7	B0	DIM 0.81 WAS 0.64	2000.08.16	AKNC
B8	A2	DIM Ø2.50 WAS Ø2 1/2	2000.08.15	AKNC
E6-7	A1	SURFACE FINISH SYMBOLS ADDED	2000.08.11	AKNC
F6	A1	REFERENCE DIMENSION ADDED	2000.08.11	AKNC

SYMBOLS FOR GEOMETRIC TOLERANCE

STRAIGHTNESS	CIRC. RUNOUT	POSITION	SYMMETRY	TOL ZONE
FLATNESS	TOTAL RUNOUT	CONCENTRICITY	ANGULARITY	DIA.
ROUNDNESS	PERPENDICULARITY	PROFILE OF A SURFACE	MMC	RAD.
CYLINDRICITY	PARALLELISM	PROFILE OF A LINE	LMC	DATUM

MATERIAL: AISI A2 TS Ø8 x 9 LG

POST PROCESSES: VACUUM HARDEN 52-54 Rc

NOTES

DIMENSIONAL TOLERANCES, UNLESS OTHERWISE SPECIFIED

ALL IMPERIAL THREADS UN CLASS 2A & 2B
ALL METRIC THREADS ISO CLASS 6H/6g
MACHINED SHARP FILLET RADII 1/32 MAX
BREAK CORNERS 0.02X45°
REMOVE BURRS

SURFACE 125
WELD ALL AROUND WELD SIZE EQUALS THICKNESS OF THINNEST PIECE

DIMENSIONS (INCHES)		TOLERANCE
FRACTIONAL	(X/X)	±1/16
2 PLACE DEC.	(X.XX)	±0.01
3 PLACE DEC.	(X.XXX)	±0.005
4 PLACE DEC.	(X.XXXX)	±0.0005
0 PLACE DEC. ANGLE	(X°)	±1°
1 PLACE DEC. ANGLE	(X.X°)	±0.5°
STD. TWIST DRILL		Ø±0.005

THIRD ANGLE PROJECTION

SolidWorks
DO NOT SCALE DRAWING
NO MANUAL CHANGES

METRIC REFERENCE DIMENSIONS ARE INDICATED IN SQUARE PARENTHESIS [METRIC]

DIMENSIONS SHOWN IN ROUND PARENTHESIS ARE FOR REFERENCE ONLY (REF.)

ENGINEER	AKNC
DRAWN	AKNC
DATE	2000.08.09
DWG. SCALE	1:2

Applied Kinetics
Professional Engineering and Design Services

CLIENT	ABC PACKAGING COMPANY	CUSTOMER	XYZ WIDGET COMPANY
CLIENT PROJ. NUM.	1234	PROJECT	ROBOTIC PALLETIZING SYSTEM

GRIPPER SHAFT
PALLETIZING GRIPPER

TOTAL QTY.	SIZE	SHEET	APPLIED KINETICS PROJECT CODE	DRAWING NUMBER	REV.
1	C	1 OF 1	AK0001	M0004	B0