



ZONE	REV.	DESCRIPTION	DATE	BY	
SYMBOLS FOR GEOMETRIC TOLERANCE					
	STRAIGHTNESS		CIRC. RUNOUT		POSITION
	FLATNESS		TOTAL RUNOUT		CONCENTRICITY
	ROUNDNESS		PERPENDICULARITY		PROFILE OF A SURFACE
	CYLINDRICITY		PARALLELISM		PROFILE OF A LINE
	SYMMETRY		ANGULARITY		TOL. ZONE
	MMC		RAD.		DATUM
	LMC				
MATERIAL		ASTM A36 HRS SQ 1 1/2 x 1 1/2 x 1 1/8 LG			
POST PROCESSES		BLACK OXIDE			
NOTES					
DIMENSIONAL TOLERANCES, UNLESS OTHERWISE SPECIFIED					
ALL IMPERIAL THREADS UN CLASS 2A & 2B		ALL METRIC THREADS ISO CLASS 6H/6g		TOLERANCE	
MACHINED SHARP FILLET RADII 1/32 MAX		DIMENSIONS (INCHES)			
BREAK CORNERS 0.02X45°		FRACTIONAL (X/X)		±1/16	
REMOVE BURRS		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		ϕ ±0.005	
SURFACE 125		WELD ALL AROUND WELD SIZE EQUALS THICKNESS OF THINNEST PIECE			
		SolidWorks		METRIC REFERENCE DIMENSIONS ARE INDICATED IN SQUARE PARENTHESES [METRIC]	
THIRD ANGLE PROJECTION		DO NOT SCALE DRAWING		DIMENSIONS SHOWN IN ROUND PARENTHESES ARE FOR REFERENCE ONLY (REF.)	
NO MANUAL CHANGES					
ENGINEER	AKNC	 Applied Kinetics Professional Engineering and Design Services			
DRAWN	AKNC				
DATE	2000.08.10				
DWG. SCALE	2:1				
CLIENT	ABC PACKAGING COMPANY	CUSTOMER	XYZ WIDGET COMPANY		
CLIENT PROJ. NUM.	1234	PROJECT	ROBOTIC PALLETIZING SYSTEM		
X-AXIS DATUM BLOCK PALLETIZING GRIPPER					
TOTAL QTY.	SIZE	SHEET	APPLIED KINETICS PROJECT CODE	DRAWING NUMBER	
1	B	OF 1	AK0001	M0005	
				REV. A0	