



SECTION A-A

- GENERAL STANDARDS:**
- Use ASME Y14.5M-1994 drafting standards unless otherwise specified.
 - Reference dimensions in parentheses.
 - Use hidden lines and tangent lines in isometric views where their use will add clarity to the view only.
 - 'THRU' is assumed.
 - Raw material sizes should be dimensioned as the required tolerance (must be greater than or equal to the raw material tolerance) in parentheses.

- TITLE BLOCK STANDARDS:**
- Material designation should be ANSI standard. Cut length should be in parentheses, and should be the same precision as the dimensioned part length (mmc), unless fractional. Fractional part lengths can be indicated as fractional without parentheses.
 - Title Line 1 should be the grandparent assembly name.
 - Title Line 2 should be the parent assembly name.
 - Title Line 3 should be the part name, followed by 'DETAIL'.

- SolidWorks SPECIFIC STANDARDS:**
- Put centre lines only on circular features that appear as object lines
 - Do not put centre lines on circular features that appear as hidden lines.
 - Use ASME symbols for depth (∇) Counterbore/Spotface (\perp) and Countersink (\sphericalangle).

ZONE	REV.	DESCRIPTION	DATE	BY					
SYMBOLS FOR GEOMETRIC TOLERANCE									
	STRAIGHT		CIRC. RUNOUT		TRUE POSITION		MMC		ANGLE
	FLAT		TOTAL RUNOUT		CONCENTRIC		LMC		DIA.
	ROUND		PERPENDICULAR		PROFILE OF SURFACE		RFS		RAD.
	CYLINDER		PARALLEL		PROFILE OF LINE		TOL. ZONE		DATUM
MATERIAL		6061-T6 AL FB 1 x 2-1/2 x (4.515 LG)							
POST PROCESSES		ANODIZE BLACK							
DIMENSIONAL TOLERANCES, UNLESS OTHERWISE SPECIFIED									
ALL IMPERIAL THREADS UN CLASS 2A & 2B		ALL METRIC THREADS ISO CLASS 6H/6g		DIMENSIONS (INCHES)		TOLERANCE			
MACHINED SHARP FILLET RADII 1/32 MAX				FRACTIONAL (X/X)		±1/16			
BREAK CORNERS 0.02X45°				2 PLACE DEC. (X.XX)		±0.01			
REMOVE BURRS				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		∅±0.005			
SURFACE 125					WELD ALL AROUND		WELD SIZE EQUALS THICKNESS OF THINNEST PIECE		
		SolidWorks		METRIC REFERENCE DIMENSIONS ARE INDICATED IN SQUARE PARENTHESIS [METRIC]		DIMENSIONS SHOWN IN ROUND PARENTHESIS ARE FOR REFERENCE ONLY (REF.)			
THIRD ANGLE PROJECTION		DO NOT SCALE DRAWING		NO MANUAL CHANGES					
ENGINEER	AKSP			Applied Kinetics Professional Engineering and Design Services					
DRAWN	AKMA								
DATE	1999.04.26								
DWG. SCALE	1:1								
CLIENT	NORTH AMERICAN AUTOMATION	CUSTOMER	MAGNA (ST. THOMAS)						
CLIENT PROJ. NUM.	1234567-12	PROJECT	HOUSING MACHINING CENTRE						
MAIN JOURNAL BLOCK GUIDE ASSEMBLY FIXTURE ASSEMBLY									
TOTAL QTY.	APPLIED KINETICS PROJECT CODE	DRAWING NUMBER	SIZE	REV.					
0	ABC0001	M0001	B	0					