


ZONE	REV.	DESCRIPTION	DATE	BY																																								
SYMBOLS FOR GEOMETRIC TOLERANCE																																												
<table border="0"> <tr> <td>—</td><td>STRAIGHTNESS</td> <td>/</td><td>CIRC. RUNOUT</td> <td>⊕</td><td>POSITION</td> <td>≡</td><td>SYMMETRY</td> <td>Ⓟ</td><td>TOL. ZONE</td> </tr> <tr> <td>▭</td><td>FLATNESS</td> <td>//</td><td>TOTAL RUNOUT</td> <td>⊙</td><td>CONCENTRICITY</td> <td>∠</td><td>ANGULARITY</td> <td>⊘</td><td>DIA.</td> </tr> <tr> <td>○</td><td>ROUNDNESS</td> <td>⊥</td><td>PERPENDICULARITY</td> <td>⌒</td><td>PROFILE OF A SURFACE</td> <td>Ⓜ</td><td>MMC</td> <td>Ⓡ</td><td>RAD.</td> </tr> <tr> <td>⊘</td><td>CYLINDRICITY</td> <td>//</td><td>PARALLELISM</td> <td>— </td><td>PROFILE OF A LINE</td> <td>Ⓛ</td><td>LMC</td> <td>△</td><td>DATUM</td> </tr> </table>	—	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				
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MATERIAL		LS 42 T3/8" /22-2 Hub 50 x 10 BRECOFLEX																																										
POST PROCESSES		NONE																																										
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		DIMENSIONS (INCHES)		TOLERANCE																																								
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		Ø±0.005																																								
SURFACE 125		WELD ALL AROUND WELD SIZE EQUALS THICKNESS OF THINNEST PIECE																																										
THIRD ANGLE PROJECTION		SolidWorks		METRIC REFERENCE DIMENSIONS ARE INDICATED IN SQUARE PARENTHESES [METRIC]																																								
		DO NOT SCALE DRAWING		DIMENSIONS SHOWN IN ROUND PARENTHESES ARE FOR REFERENCE ONLY (REF.)																																								
		NO MANUAL CHANGES																																										
ENGINEER	AKNC	 <b>Applied Kinetics</b> <i>Professional Engineering and Design Services</i>																																										
DRAWN	AKNC																																											
DATE	2000.08.10																																											
DWG. SCALE	1:1																																											
CLIENT	ABC PACKAGING COMPANY	CUSTOMER	XYZ WIDGET COMPANY																																									
CLIENT PROJ. NUM.	1234	PROJECT	ROBOTIC PALLETIZING SYSTEM																																									
TAKE-UP PULLEY BELT TAKE-UP ASSEMBLY PALLETIZING GRIPPER																																												
TOTAL QTY.	SIZE	SHEET OF	APPLIED KINETICS PROJECT CODE	DRAWING NUMBER																																								
1	B	1 OF 1	AK0001	M0006																																								
				REV. A0																																								