




NOTES:

- ENSURE REMOVAL OF ALL SUPPORT MATERIAL.
- CHECK DIMENSIONS MARKED WITH OBOUNDS.

TOLERANCES							DIMENSIONS			PART SUPPLY			DESIGN INTENT			© COPYRIGHT		MANUFACTURING SKILLS QUEENSLAND		monochrome www.monochrome-design.com		
<ul style="list-style-type: none"><li>• Tolerances to ISO 2768-mK unless otherwise stated.</li><li>• For dimensions under 0.5mm tolerance is ±0.05.</li><li>• ISO 2768-1: Per below table (class indicated by check mark).</li><li>• ISO 2768-2: K (medium)</li></ul>							<ul style="list-style-type: none"><li>• All dimensions are in millimetres unless otherwise indicated.</li><li>• All dimensions to base of draft unless otherwise indicated.</li><li>• Critical inspection dimension: </li><li>• Dimensions with ** may require adjustment during tool trials.</li><li>• First article inspection number:  (supplier to provide FAI report detailing each of these dimensions).</li><li>• Other dimensions for reference.</li></ul>			<ul style="list-style-type: none"><li>• Printing technology: Fused Deposition Modelling (FDM).</li><li>• Alternatively, Selective Laser Sintering (SLS), Stereolithography (SLA) or Multi Jet Fusion (MJF) may be used where FDM is unavailable.</li><li>• Build Orientation: print part with Z-axis as indicated. This is critical for mechanical strength of the part.</li><li>• Face marked 'A' is a primary cosmetic surface.</li><li>• Orient part to minimise layer lines and support marks on this face.</li><li>• Part to be free of excessive stringing, warping, delamination, and major layer shifts.</li><li>• Remove all support structures. Marks/nibs from support material are permissible on non-critical/internal surfaces only.</li><li>• Layer lines and some "stair-stepping" on angled/curved surfaces are acceptable.</li><li>• Tap holes as specified. Do not print threads.</li><li>• Machine critical bores and faces to specified tolerances after printing.</li><li>• Align Z-seam on sharpest corner (or as indicated) to minimise visual impact.</li></ul>					This drawing is supplied in confidence. Do not disclose to any third party without prior written consent from Manufacturing Skills Queensland							
																	PROJECT NAME		Fishing Rod Spike		COLOUR: Black	
																	DRAWING TYPE		Part Drawing		FINISH: Matte / Print Finish	
																	DATE CREATED		Tuesday, 16 September 2025		MATERIAL: ASA Filament	
																	NOTES:		- Alternative materials: PETG or PLA filament. - Filament colour/finish are suggestions only, and may be customised to student preference.			
02		Print orientation updated		17/03/2026																		
01		Initial Release		16/09/2025																		
#		DESCRIPTION		DATE																		
LINEAR - PERMISSIBLE DEV. IN MM FOR RANGES IN NOMINAL LENGTHS							SURFACE TEXTURE KEY (SPI STANDARD)  Refer to 3D part surface colouring for application			PART NAME:		MONO_038-p201										
CLASS		0.5 - 6mm		6 - 30mm		30 - 120mm				120 - 400mm						Over 400mm		DESCRIPTION:		A3  SHEET 1 OF 1		
FINE		±0.05mm		±0.1mm		±0.15mm				±0.2mm		±0.3mm										
<input checked="" type="checkbox"/> MEDIUM		±0.1mm		±0.1mm		±0.3mm				±0.5mm		±0.8mm										
COARSE		±0.3mm		±0.5mm		±0.8mm				±1.2mm		±2.0mm		Rod Guide Top End Cap								
ANGULAR - PERMISSIBLE DEV. IN DEGREES & MINUTES FOR RANGES IN NOMINAL LENGTHS							Refer to 3D part surface colouring for application			DO NOT SCALE DRAWING		SCALE:1:2										
CLASS		0 - 10mm		10 - 50mm		50 - 120mm				120 - 400mm		Over 400mm										
FINE		±1 °		±0 °30'		±0 °20'				±0 °10'		±0 °5'										
<input checked="" type="checkbox"/> MEDIUM		±1 °		±0 °30'		±0 °20'				±0 °10'		±0 °5'										
COARSE		±1 ° 30'		±1 °		±0 °30'		±0 °15'		±0 °10'												