

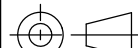




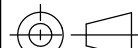


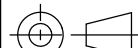






A diagram of a cylindrical container. A vertical arrow points upwards from the center of the top circular surface. The arrow is labeled "Z-AXIS" at its tip.

PRINT ORIENTATION

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

<div>TOLERANCES</div> <ul style="list-style-type: none">• Tolerances to ISO 2768-mK unless otherwise stated.• For dimensions under 0.5mm tolerance is ±0.05.• ISO 2768-1: Per below table (class indicated by check mark).• ISO 2768-2: K (medium)							<div>DIMENSIONS</div> <ul style="list-style-type: none">• All dimensions are in millimetres unless otherwise indicated.• All dimensions to base of draft unless otherwise indicated.• Critical inspection dimension: • Dimensions with ** may require adjustment during tool trials.• First article inspection number:  (supplier to provide FAI report detailing each of these dimensions).• Other dimensions for reference.							<div>PART SUPPLY</div> <ul style="list-style-type: none">• Printing technology: Fused Deposition Modelling (FDM).• Alternatively, Selective Laser Sintering (SLS), Stereolithography (SLA) or Multi Jet Fusion (MJF) may be used where FDM is unavailable.• Build Orientation: print part with Z-axis as indicated. This is critical for mechanical strength of the part.• Face marked 'A' is a primary cosmetic surface.• Orient part to minimise layer lines and support marks on this face.• Part to be free of excessive stringing, warping, delamination, and major layer shifts.• Remove all support structures. Marks/nibs from support material are permissible on non-critical/internal surfaces only.• Layer lines and some "stair-stepping" on angled/curved surfaces are acceptable.• Tap holes as specified. Do not print threads.• Machine critical bores and faces to specified tolerances after printing.• Align Z-seam on sharpest corner (or as indicated) to minimise visual impact.							<div>DESIGN INTENT</div> <div>Unless otherwise specified, fabricate per 3D model file. Drawing supplied for reference and inspection purposes only.</div>				<div>© COPYRIGHT</div> <div>This drawing is supplied in confidence. Do not disclose to any third party without prior written consent from Manufacturing Skills Queensland</div>		 <div>MANUFACTURING SKILLS QUEENSLAND</div>		 <div>monochrome</div> <div>www.monochrome-design.com</div>																																													
<div>LINEAR - PERMISSIBLE DEV. IN MM FOR RANGES IN NOMINAL LENGTHS</div> <table><tr><th></th><th>CLASS</th><th>0.5 - 6mm</th><th>6 - 30mm</th><th>30 - 120mm</th><th>120 - 400mm</th><th>Over 400mm</th></tr><tr><td><input type="checkbox"/></td><td>FINE</td><td>±0.05mm</td><td>±0.1mm</td><td>±0.15mm</td><td>±0.2mm</td><td>±0.3mm</td></tr><tr><td><input checked="" type="checkbox"/></td><td>MEDIUM</td><td>±0.1mm</td><td>±0.1mm</td><td>±0.3mm</td><td>±0.5mm</td><td>±0.8mm</td></tr><tr><td><input type="checkbox"/></td><td>COARSE</td><td>±0.3mm</td><td>±0.5mm</td><td>±0.8mm</td><td>±1.2mm</td><td>±2.0mm</td></tr></table>								CLASS	0.5 - 6mm	6 - 30mm	30 - 120mm	120 - 400mm	Over 400mm	<input type="checkbox"/>	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	<input type="checkbox"/>	COARSE	±0.3mm	±0.5mm	±0.8mm	±1.2mm	±2.0mm	<div>Critical inspection dimension: </div> <div>Dimensions with ** may require adjustment during tool trials.</div> <div>First article inspection number:  (supplier to provide FAI report detailing each of these dimensions).</div> <div>Other dimensions for reference.</div>							<div>PART SUPPLY</div> <ul style="list-style-type: none">• Printing technology: Fused Deposition Modelling (FDM).• Alternatively, Selective Laser Sintering (SLS), Stereolithography (SLA) or Multi Jet Fusion (MJF) may be used where FDM is unavailable.• Build Orientation: print part with Z-axis as indicated. This is critical for mechanical strength of the part.• Face marked 'A' is a primary cosmetic surface.• Orient part to minimise layer lines and support marks on this face.• Part to be free of excessive stringing, warping, delamination, and major layer shifts.• Remove all support structures. Marks/nibs from support material are permissible on non-critical/internal surfaces only.• Layer lines and some "stair-stepping" on angled/curved surfaces are acceptable.• Tap holes as specified. Do not print threads.• Machine critical bores and faces to specified tolerances after printing.• Align Z-seam on sharpest corner (or as indicated) to minimise visual impact.							<div>DESIGN INTENT</div> <div>Unless otherwise specified, fabricate per 3D model file. Drawing supplied for reference and inspection purposes only.</div>				<div>© COPYRIGHT</div> <div>This drawing is supplied in confidence. Do not disclose to any third party without prior written consent from Manufacturing Skills Queensland</div>		 <div>MANUFACTURING SKILLS QUEENSLAND</div>		 <div>monochrome</div> <div>www.monochrome-design.com</div>																	
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<div>PROJECT NAME</div> <div>Fishing Rod Spike</div>							<div>COLOUR:</div> <div>Black</div>							<div>PART NAME:</div> <div>MONO_038-p204</div>																																																												
<div>DRAWING TYPE</div> <div>Part Drawing</div>							<div>FINISH:</div> <div>Matte / Print Finish</div>							<div>DESCRIPTION:</div> <div>Rod Guide Bottom End Cap</div>																																																												
<div>DATE CREATED</div> <div>Tuesday, 16 September 2025</div>							<div>MATERIAL:</div> <div>ASA Filament</div>							<div>A3</div>																																																												
<div>NOTES:</div> <div>- Alternative materials: PETG or PLA filament.</div> <div>- Filament colour/finish are suggestions only, and may be customised to student preference.</div>							<div>SHEET 1 OF 1</div>							<div>DO NOT SCALE DRAWING</div>																																																												
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