

SCALE:1:8

Tag	Direction	Angle	Inner Radius
A	UP	90°	3

Technical drawing of a bent sheet metal part. The drawing shows a side view of the part with various dimensions. The total length is 1087. The width of the main body is 660.5. The width of the flange is 180.5. The thickness of the material is 12 x 40.0. The radius of the bend is R5.0. The distance from the fixed face to the start of the bend is 102.9. The distance from the start of the bend to the end of the flange is 61.7. The distance from the end of the flange to the end of the part is 156.9. The distance from the fixed face to the end of the part is 145.0. The distance from the fixed face to the start of the bend is 6.8. The distance from the start of the bend to the end of the flange is 61.1. The distance from the end of the flange to the end of the part is 61.1. The drawing also includes a table with dimensions and a note about the nominal K factor.

Fixed Face

102.9

61.7

6.8

156.9

145.0

61.1

R5.0

12 x 40.0

180.5

660.5




1087

A

OPTION 1: BENT SHEET METAL

NOMINAL K FACTOR: 0.44

DETAILED FLAT PATTERN DIMENSIONS ARE PROVIDED AS REFERENCE AND ARE SECONDARY TO THE FORMED PART DIMENSIONS, AS FLAT PATTERN DIMENSIONS MAY REQUIRE ADJUSTMENT TO SUIT AVAILABLE TOOLING.

TOLERANCES							DIMENSIONS			PART SUPPLY			DESIGN INTENT			© COPYRIGHT		MANUFACTURING SKILLS QUEENSLAND		monochrome www.monochrome-design.com									
• 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)							• All dimensions are in millimetres unless otherwise indicated. • Critical inspection dimension:  • Dimensions with ** may require adjustment during tool trials. • First article inspection number:  (supplier to provide a report detailing accuracy to each of these dimensions). • Other dimensions for reference.			• Break all sharp edges R0.2 max. • Cosmetic surfaces to be free of scratches, tool marks, and gouges. • Part to be clean and free of oil, grease, and other foreign contaminants. • Remove dross and tabs from cut edges • Minimise handling marks on all external surfaces. • Minimise tooling/die marks on external bends. • No visible cracking/crazing permitted on bends. PAINTING: • Mask all areas indicated. No paint permitted on masked surfaces. • Finish to be uniform in color, gloss, and texture across all visible surfaces. Painted surfaces shall be free of runs, sags, orange peel, fisheyes, cratering, blisters, and embedded foreign particles (dust, fibres). INSTALLED HARDWARE (PEMs, standoffs, studs): • Inserted hardware to be seated flush to 0.2mm proud. • Installed hardware must be perpendicular to the surface within 1°.			Unless otherwise specified, fabricate per this drawing. The 3D model represents the final formed condition for reference.					This drawing is supplied in confidence. Do not disclose to any third party without prior written consent from Manufacturing Skills Queensland		PART NAME: Fishing Rod Spike		COLOUR: Self-Colour		PART NAME: MONO_038-p202		DESCRIPTION: Spike		A3 SHEET 2 OF 3	
LINEAR - PERMISSIBLE DEV. IN MM FOR RANGES IN NOMINAL LENGTHS							SURFACE TEXTURE KEY (RA STANDARD) Refer to 3D part and surface finish sheet for application			PROJECT NAME		FINISH: Supplier Finish		MATERIAL: 3.0mm Galvanised Steel		DO NOT SCALE DRAWING		SCALE:1:8											
	CLASS	0.5 - 6mm	6 - 30mm	30 - 120mm	120 - 400mm	Over 400mm				DRAWING TYPE		Part Drawing																	
<input checked="" type="checkbox"/>	MEDIUM	±0.1mm	±0.1mm	±0.3mm	±0.5mm	±0.8mm				DATE CREATED		Monday, 15 September 2025		NOTES:		- FINAL FORMED DIMENSIONS GOVERN. MANUFACTURER TO DEVELOP FLAT PATTERN TO COMPENSATE FOR THEIR SPECIFIC TOOLING AND PROCESS.													
	COARSE	±0.3mm	±0.5mm	±0.8mm	±1.2mm	±2.0mm				02 Spike gauge + holes upcd		17/03/2026																	
							01 Initial Release		15/09/2025																				
							# DESCRIPTION		DATE																				

