

AS9102 FIRST ARTICLE INSPECTION — SAMPLE

Redacted sample for audit purposes — customer identity withheld | PrecisionIndParts · Xi'an, China

1. Part & Order Information

Field	Value
Part number	[CUSTOMER PART NO.]
Part name	Flight-control bracket, LH
Material	Aluminium 7075-T7351, AMS-QQ-A-250/12
Drawing rev.	C
FAI number	FAI-2026-0715-034
Inspection date	15 July 2026
Inspector	Q.C. Zhang (Certified AS9102)
Inspection location	Metrology lab — Zeiss CONTURA G2, 20±1 °C

2. Dimensional Results (extract)

Feature	Nominal	Measured	Deviation	Tolerance	Status
Ø12 H7 bore	12.000	12.003	+0.003	+0.018 / 0	PASS
Bore true pos (A B)	Ø0.02	Ø0.011	—	Ø0.02 max	PASS
Face flatness	0.01	0.006	—	0.01 max	PASS
Overall length	420.000	419.997	-0.003	±0.05	PASS
Thickness 1.2 web	1.200	1.198	-0.002	±0.05	PASS
Surface finish Ra	0.8	0.62	—	0.8 max	PASS

3. Material & Process Verification

- Material cert: EN 10204 3.1 — heat number traced to mill
- Heat treat: solution + T7351, verified hardness 84–92 HBW
- Special process: chem film per MIL-DTL-5541, NADCAP-accredited supplier

This sample is provided for documentation-format review. Actual FAI reports are issued per order with full feature lists and are controlled documents.