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STOCK AND CUT LIST

ITEM	PART	STOCK FORM	SPEC	CUT SIZE	QTY	WASTE
1	Optical tube	Tube Ø250 OD × 1.5 wall	Alu 6061-T6	720 long	1	+10 facing
2	Mirror cell	Plate 250 × 250 × 25	Alu 6061-T6	Ø244 disc	1	corner drop
3	Spider hub	Bar Ø50 × 40	Alu 6061-T6	Ø44 × 26	1	—
4	Spider vanes	Sheet 0.5 shim	Alu 5052-H32	110 × 22	4	+2 spares
5	Focuser board	Plate 130 × 130 × 16	Alu 6061-T6	120 × 120 × 14	1	—
6	Secondary holder	Filament PA-CF 1.75	Bambu PAHT-CF	≈190 g	1	+1 spare
7	Mirror pads	Cork sheet 3 mm	Natural cork	Ø22 disc	3	+3 spares
8	Edge rollers	PTFE rod Ø10	PTFE virgin	12 long	2	—

STOCK NOTES

1. TUBE: SEAMLESS DRAWN PREFERRED. WELDED TUBE ACCEPTABLE IF ROUNDNESS 0.5 TIR IS MET OVER BOTH TUBE-RING SEATING BANDS (STATIONS 210 AND 450).

2. MIRROR CELL: PLATE MUST BE STRESS-RELIEVED. AS-ROLLED PLATE WILL BOW WHEN THE Ø120 FAN BORE IS OPENED, AND PAD COPLANARITY 0.05 WILL NOT HOLD.

3. VANES: 5052-H32 CHOSEN OVER 6061 FOR FORMABILITY AND FLATNESS IN THIN SHEET.

4. ORDER 2 SPARE VANES. A BENT VANE SPLITS DIFFRACTION SPIKES AND IS NOT STRAIGHTENABLE ONCE CREASED.

REVISION HISTORY

REV	DESCRIPTION	DATE
A	First issue for manufacture	2026-08-16

FLOWMATIC · ASTROGRAPH PROGRAMME

200 mm f/4 NEWTONIAN ASTROGRAPH · CANBERRA ACT 35.28°S

STOCK AND CUT LIST

DRAWING NUMBER	REVISION	SHEET
FM-AST-P01	A	1 OF 6
SCALE	MATERIAL	MASS
NTS	SEE SCHEDULE	4.26 kg
PROJECTION	FINISH	UNITS
FIRST ANGLE (ISO 128)	—	MILLIMETRES
GENERAL TOL ISO 2768-mK UNLESS STATED · DO NOT SCALE		
DRAWN NaXief's Claude · CHECKED SELF-CHECK + VISUAL JUDGE, SEE SHEET 6 QA GATES		
DATE 2026-08-16 · STATUS ISSUED FOR MANUFACTURE		