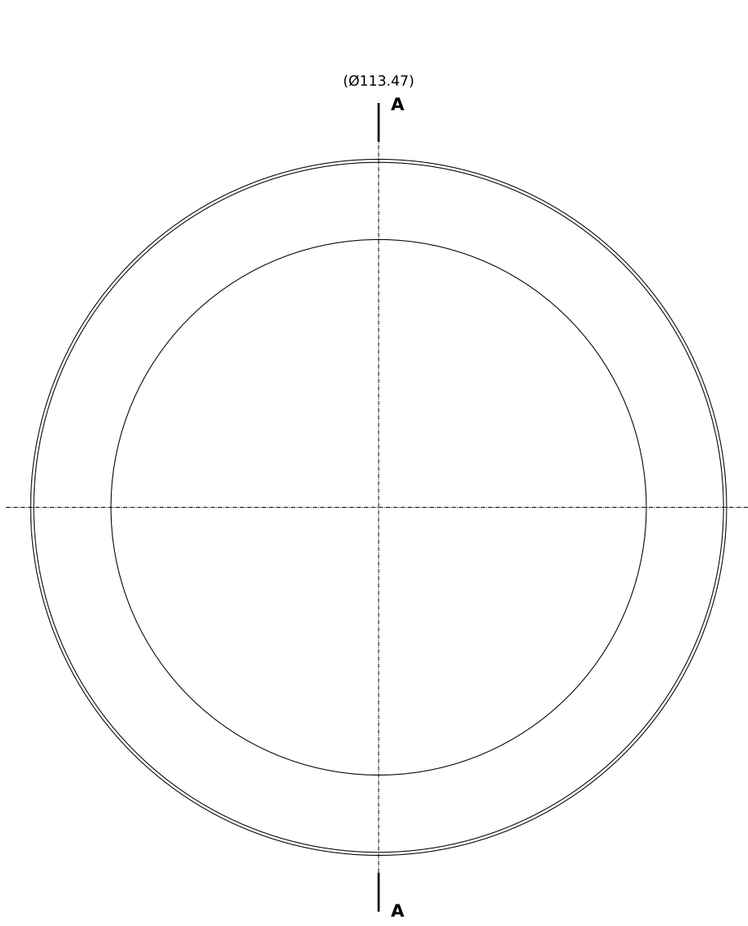
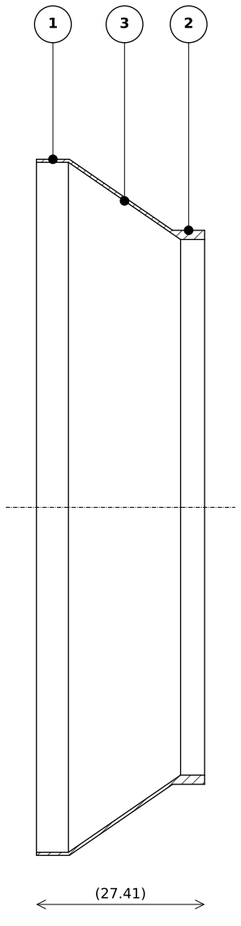


VIEW FROM THE INLET



SECTION A-A

REQUIREMENTS

1 Front band OD Ø113.47 ±0.05, rolled on a mandrel: into the outer liner (0.1 mm radial room)

2 Rear band OD Ø90.30 ±0.03, 1.5 sheet: into the guide vane ring's lip

3 310S sheet 0.5 for the front band and the cone: three rolled pieces butt-welded, the flame face flush

NOTES

1. Model is master: sizes not called out come from combustor_exit.step, at the general tolerance.
2. Break sharp edges 0.1–0.3 unless noted. No burrs. No tool marks across sealing or seating faces.
3. Surface finish Ra 1.6 µm unless noted. Threads to ISO 965 (metric fine).
4. Inspection report, CMM and material certificates are add-ons on the quote.

HIGHLAND Turbojet, 170 N class

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PART Combustor exit cone	PART NUMBER HL-TJ-12		REVISION A
MATERIAL Stainless 310S sheet (ASTM A240), annealed			
FINISH None, as machined		HEAT TREAT None	
TOLERANCE UNLESS NOTED ±0.13 mm (±0.005 in) unless noted; angles ±0.5°			
QUANTITY 1 per engine	MASS 49.2 g		SCALE 1:1
UNITS mm	PROJECTION Third angle	DATE 2026-11-20	SHEET A3, 1 of 1