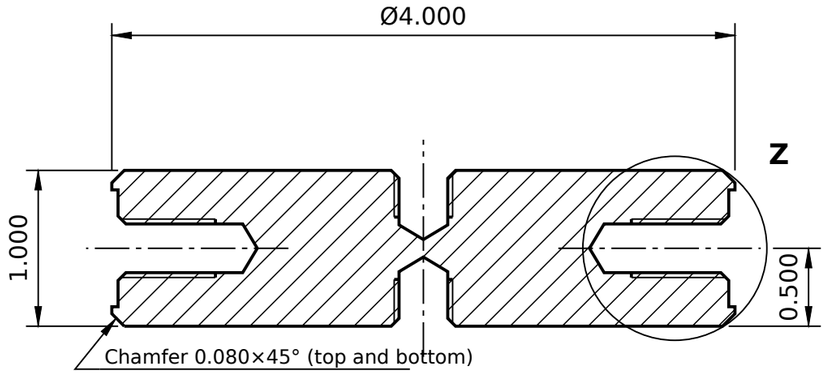
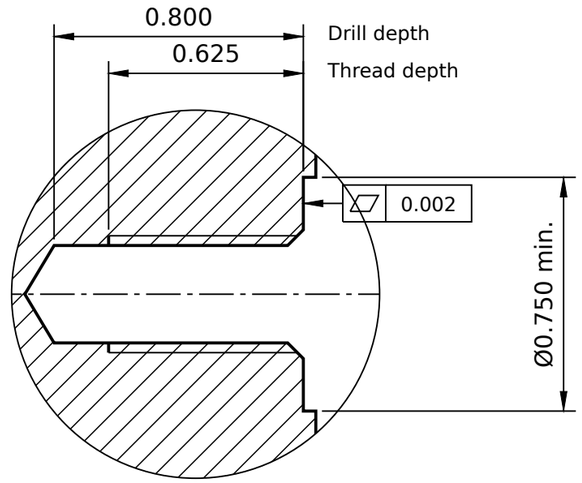
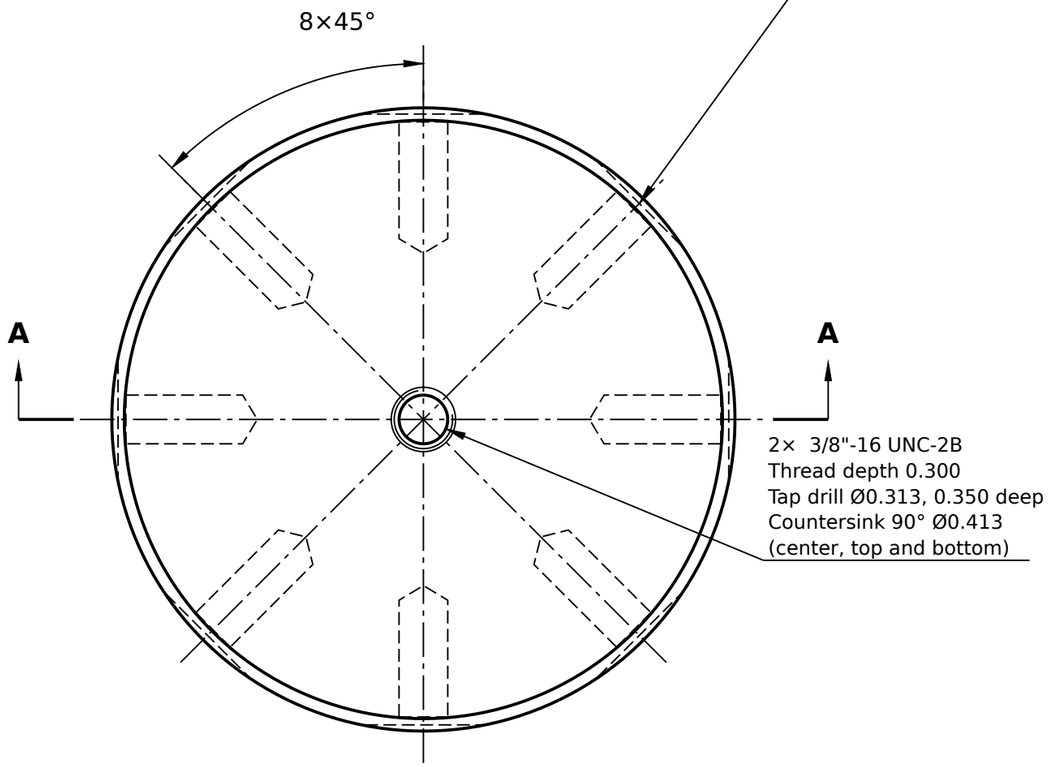


Section A–A



Detail Z (2:1)

Spot face Ø0.750, flat over entire area, depth approx. 0.040
(min. 0.036 below outer surface; axis-to-flat distance 1.960)



Top view

Hole and thread list

Item	Qty.	Description	Thread	Tap drill	Thr. depth
1	8×	Radial hole on circumf., 45° pitch, with spot face Ø0.750 (detail Z)	3/8"-16 UNC-2B	Ø0.313 × 0.800	0.625
2	1×	Axial hole top, centered with 90° countersink Ø0.413	3/8"-16 UNC-2B	Ø0.313 × 0.350	0.300
3	1×	Axial hole bottom, centered with 90° countersink Ø0.413	3/8"-16 UNC-2B	Ø0.313 × 0.350	0.300

Notes

1. General tolerances per ISO 2768-mK.
2. Thread 3/8"-16 UNC-2B (ASME B1.1), thread start countersunk 90°.
3. Radial holes: 8× evenly spaced on circumference (45°), axes in mid-plane (height 0.500).
4. Spot faces Ø0.750: flat over entire area, perpendicular to hole axis.
5. Deburr / break all unspecified edges (ISO 13715, max. 0.012).
6. Chamfer 0.080×45° on top and bottom edge of the disk.
7. Material: steel, e.g. S235JR – to be agreed with the workshop.
8. All dimensions in inches (1 in = 25.4 mm); drawing at scale 1:1 on A3.

Ra 3.2

Surfaces general, unless otherwise specified

Title: **Ambisonic.studio disk Ø 4" x 1"** with 3/8" threads (8× circumference, top, bottom)			Drawing no.: **SCH-4x1-01**
Material: Steel (e.g. S235JR)		General tolerances: ISO 2768-mK	
Scale: 1:1	Format: A3	Sheet: 1 / 1	Mass (calculated): ≈ 3.37 lb
Date: 2026-11-01	Drawn by: Ambisonic.studio	Projection method 1	