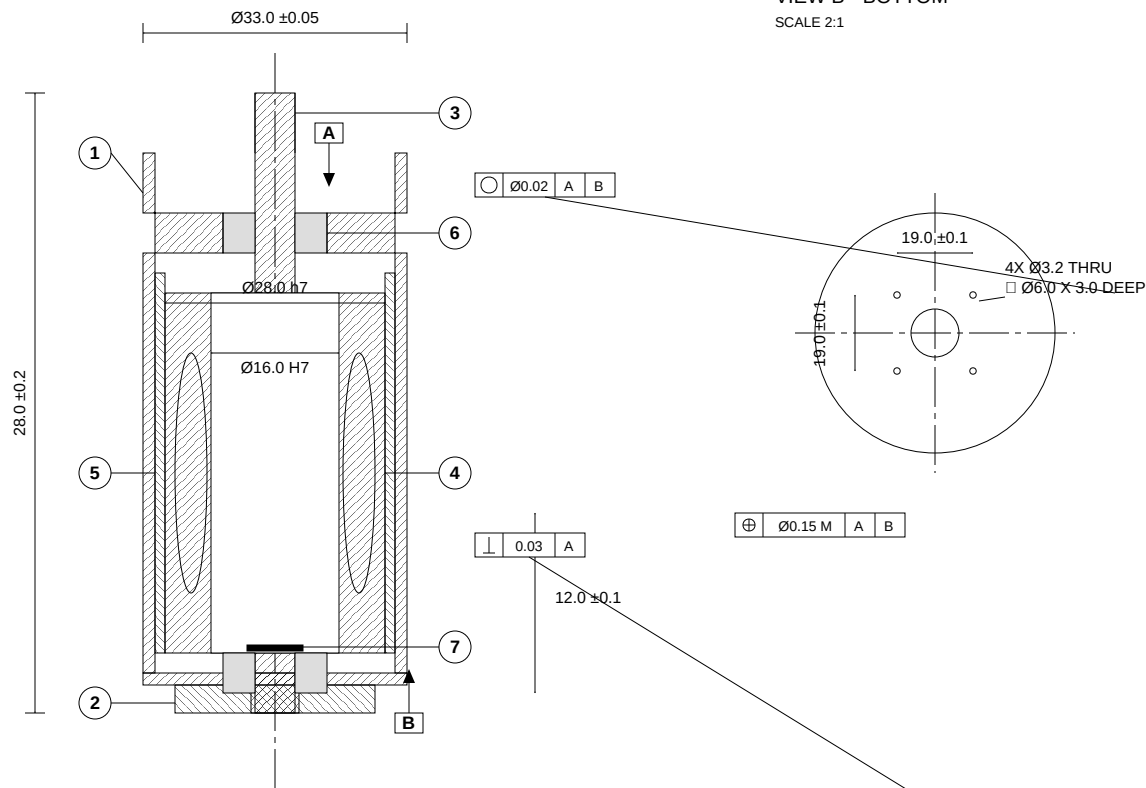


SECTION A-A
SCALE 2:1



NOTES:

- DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SPECIFIED.
- TOLERANCES UNLESS OTHERWISE SPECIFIED:
.X = ±0.3 | .XX = ±0.1 | .XXX = ±0.025 | ANGULAR = ±0.5°
- INTERPRET DRAWING PER ASME Y14.5-2018.
- REMOVE ALL BURRS AND SHARP EDGES 0.2 MAX.
- BALANCE TO <0.1 g-mm RESIDUAL UNBALANCE.
- DYNAMIC BALANCE AT OPERATING SPEED (21,000 RPM).
- HI-POT TEST: 500V AC, 60 SEC, NO BREAKDOWN.
- PHASE RESISTANCE: 65 ±10 mΩ (PHASE TO PHASE).
- ALL HARDWARE TORQUE PER MIL-STD-1515.
- THIS DRAWING IS ITAR CONTROLLED - DO NOT EXPORT WITHOUT AUTHORIZATION.

DRAWING TREE:
GNT-2812-000 (THIS DWG) → GNT-2812-001 BELL → GNT-2812-002 BASE → GNT-2812-003 SHAFT
→ GNT-2812-004 STATOR ASSY → GNT-2812-005 MAGNET

PARTS LIST

ITEM	PART NUMBER	DESCRIPTION	QTY	MATL
1	GNT-2812-001	BELL, ROTOR	1	7075-T6
2	GNT-2812-002	BASE PLATE	1	6061-T6
3	GNT-2812-003	SHAFT	1	Ti-6Al-4V
4	GNT-2812-004	STATOR ASSY	1	M19
5	GNT-2812-005	MAGNET, ARC	14	N52H
6	686ZZ	BEARING, BALL	2	52100
7	GNT-2812-006	RETAINING RING	1	302 SS
8	GNT-2812-007	WIRE ASSY, PHASE	3	---
9	MS35338-43	SCREW, M3x8 SHCS	4	Ti Gr5

REVISIONS

REV	DESCRIPTION	DATE	APPROVED
--	INITIAL RELEASE	12/07/25	JW
A	ADDED GD&T, UPDATED TOLERANCES	12/07/25	JW

GAUNTLET DEFENSE SYSTEMS

DoD Drone Dominance Program - Model-F

DRAWN	J. WALLER	DATE	12/07/25	SCALE	2:1	SIZE	B	PART NUMBER	
CHECKED	---	DATE	---	SHEET	1 OF 8	CAGE	XXXXX	GNT-2812-000	
APPROVED									

MOTOR ASSY, BLDC

MF-2812-950KV