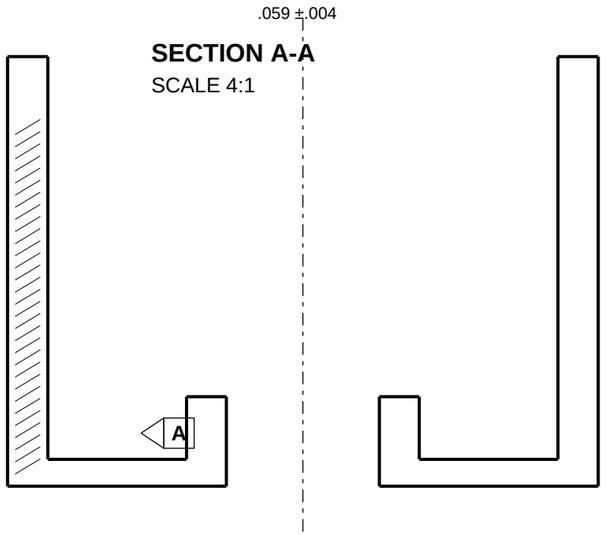
SECTION A-A

SCALE 4:1



Ø1.299 +.002/-.000
TOTAL RUNOUT .001 | A
CIRC RUNOUT .0006 | A

Ø1.122 +.001/-.000
CONC Ø.0008 | A

PERP .0008 | A

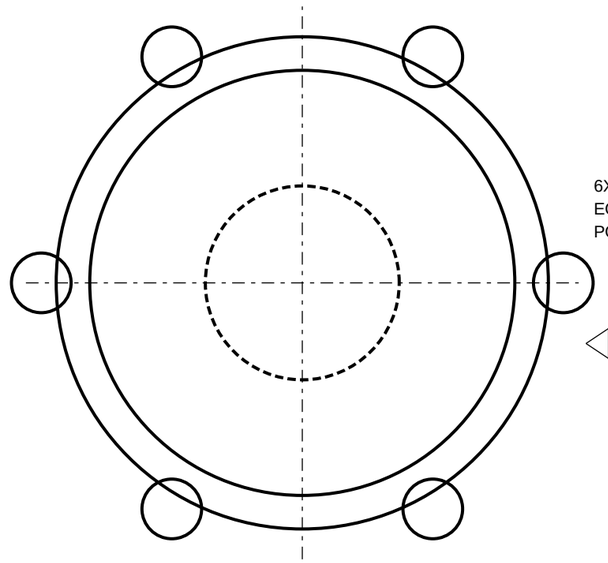
512 H7 (+.0007/-.0000)
µin Ra MAX

7 ±.004 DEPTH

8 ±.002

VIEW B - TOP

SCALE 4:1

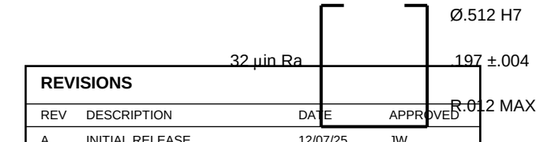


6X Ø.157 THRU
EQ SP ON Ø1.378 B.C.
POS Ø.005 | A | B

DETAIL C

BEARING POCKET

SCALE 8:1



NOTES:

1. DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED.
2. INTERPRET DRAWING PER ASME Y14.5-2018.
3. REMOVE ALL BURRS AND SHARP EDGES 0.008 MAX.
4. BEARING POCKET SURFACE FINISH: 32 µin Ra MAX.
5. MAGNET BORE SURFACE FINISH: 63 µin Ra MAX.
6. BREAK ALL INTERNAL CORNERS 0.012 MAX UNLESS NOTED.
7. HARD ANODIZE PER MIL-A-8625 TYPE III CLASS 2, 0.001-0.002".
8. ANODIZE COLOR: BLACK.
9. MASK BEARING BORE DURING ANODIZE - CRITICAL FIT.
10. PART WEIGHT: 0.63 oz ±0.07 oz (18g ±2g).
11. BALANCE: STATIC UNBALANCE ≤0.1 g·mm.
12. CONCENTRICITY OF ALL FEATURES TO DATUM A IS CRITICAL FOR MOTOR PERFORMANCE.

MATERIAL: ALUMINUM 7075-T6 PER AMS 4045 OR AMS-QQ-A-250/12

FINISH: HARD ANODIZE 0.001-0.002" PER MIL-A-8625 TYPE III CLASS 2

COLOR: BLACK

GD&T SUMMARY

DATUM A: Bearing bore centerline (rotational axis)
DATUM B: Bolt circle pattern (clocking reference)

CRITICAL TOLERANCES:
- OD Total Runout .001" to A (vibration)
- OD Circular Runout .0006" to A (air gap)
- Magnet Bore Concentricity Ø.0008" to A
- Bottom Face Perpendicularity .0008" to A
- Mounting Holes Position Ø.005" to A|B

REVISIONS

REV	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	12/07/25	JW
B	**INCH CONV, GD&T OPT**	**12/07/25**	**JW**

GAUNTLET DEFENSE SYSTEMS

DoD Drone Dominance Program - Model-F

BELL, ROTOR — **REV B**

PART NUMBER: GNT-2812-001

CHECKED: --- APPROVED: --- SHEET 2 OF 8 CAGE XXXXX

DRAWN	DATE	SCALE	SIZE
J. WALLER	**12/07/25**	**4:1**	**B**