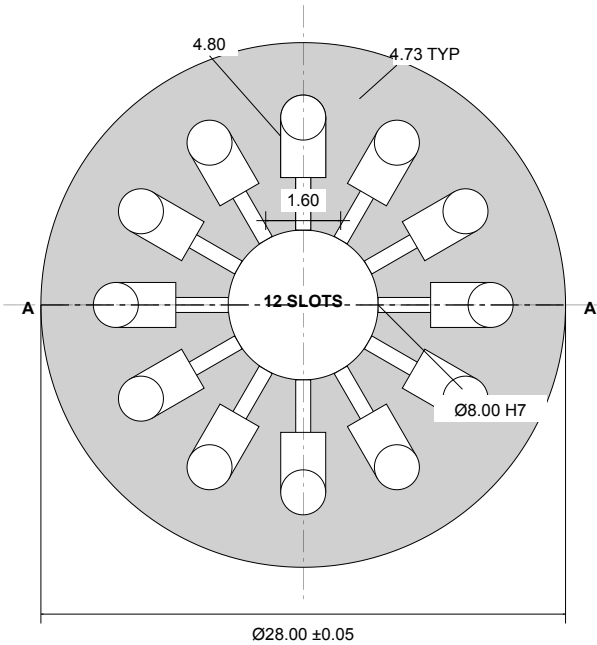
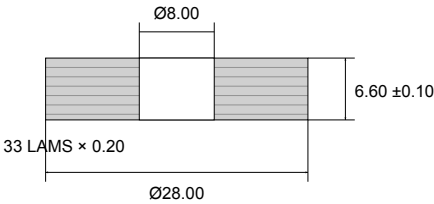


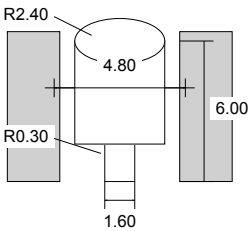
LAMINATION - TOP VIEW (5:1 SCALE)



SECTION A-A (5:1 SCALE)



SLOT DETAIL (10:1 SCALE)



NOTES:

1. MATERIAL: AISI M19 SILICON STEEL, 29 GAUGE (0.35mm NOM)
2. ACTUAL LAMINATION THICKNESS: 0.20mm (0.008")
3. INSULATION: C-5 COATING BOTH SIDES PER ASTM A976
4. STACK HEIGHT: 6.60mm (33 LAMINATIONS)
5. LAMINATIONS TO BE LASER CUT, DEBURRED
6. STACK AND BOND WITH BACKLACK OR EQUIVALENT
7. CORE LOSS: ≤ 2.5 W/lb @ 1.5T, 60Hz
8. BURR HEIGHT: 0.025mm MAX
9. FLATNESS OF STACK: 0.05mm
10. PERPENDICULARITY OF BORE TO FACES: 0.02mm
11. ALL DIMENSIONS IN MILLIMETERS UNLESS NOTED

M19 STEEL PROPERTIES

PROPERTY	VALUE
Core Loss	≤ 2.5 W/lb
Sat. Induction	2.0 T
Resistivity	50 $\mu\Omega \cdot \text{cm}$
Density	7.65 g/cm ³

GEOMETRIC TOLERANCES:

Δ	0.05	STACK END FACES
$\perp$	0.02	A BORE TO FACES
$\bigcirc$	0.03	A OD TO BORE

MODEL-F PROPULSION

STATOR CORE, M19 SILICON STEEL

DWG: MF-2806-STAT REV: A	SCALE: 5:1
MATERIAL: M19 29GA (0.35mm)	SHEET: 1 OF 1
FINISH: C-5 INSULATION	QTY: 33 LAMS/ASSY