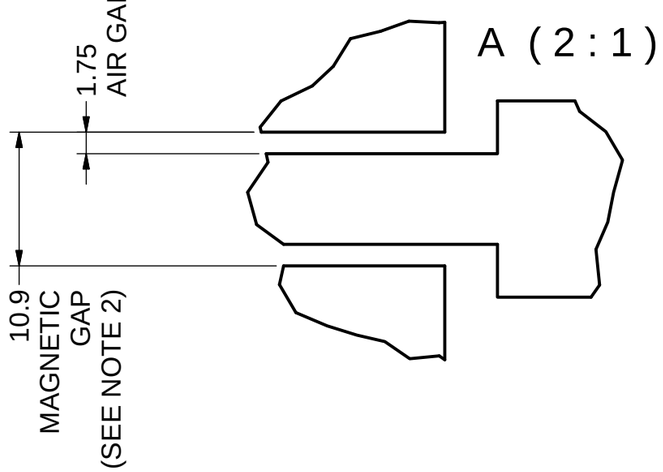

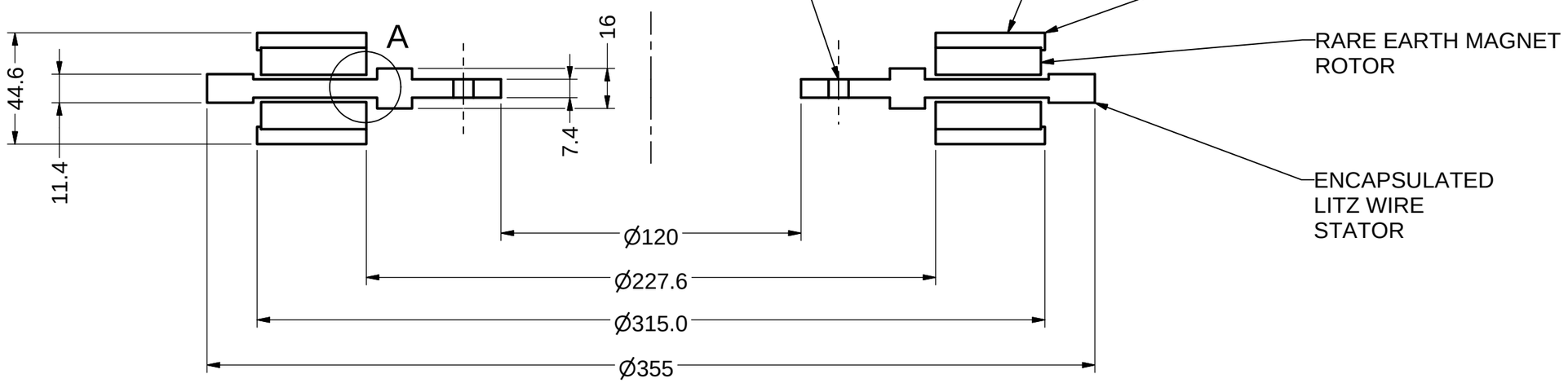

WARNING!
FORCE OF ATTRACTION BETWEEN ROTORS
IS 4966N (506Kg) WHEN 10.9 mm APART.

GENERAL FORMULA F~ 6.4/(0.025 + d)^2

WHERE F = FORCE (NEWTONS)
AND d = MAGNETIC GAP (METRES)

NOTES:
1. POSITION SENSOR AND WIRES ARE NOT SHOWN.
2. IF THE MAGNETIC GAP IS INCREASED TO 11.9mm FOR MECHANICAL REASONS THE EFFICIENCY SHALL FALL BY APPROXIMATELY 1%.
3. HOLES NOT DRILLED, SHOWN AS EXAMPLE ONLY. SEE DRAWING # Solar_SMt-Sensor-LOCATION (Rev 0).
4. REFER TO DRAWING # Solar_SM-Backing-ATTACHMENT (Rev 0).

Item ref.	Quantity	Designation, material etc.				
Designed by	Checked by	Approved by - date	File Name	Date	Scale	
C. F. BILSON				8/03/2005	1:2	

CSIRO

Division of
Industrial Physics.
Energy & Sustainability Theme

Solar Motor - Surface Mount

Solar_SurfaceMount-Profile	Revision	Sheet
	0	1 / 1

REMOVE ALL SHARP EDGES AND BURRS.

THIRD ANGLE PROJECTION

ALL DIMENSIONS ARE IN MILLIMETRES.
UNLESS SPECIFIED TOLERANCE SHALL BE
LINEAR DIMENSIONS X. ± 0.5mm
LINEAR DIMENSIONS X.X ± 0.05mm
LINEAR DIMENSIONS X.XX ± 0.02mm
ANGULAR DIMENSIONS ± 0.5'