



- NOTE
1. DO NOT SCALE FROM DRAWING.
 2. MINIMISE EDGE CHIPPING.
 3. REMOVE ALL SHARP EDGES.
 4. ALL MACHINING FLUIDS SHALL BE WATER SOLUBLE AND FREE OF SULFUR, CHLORINE AND SILICONE.
 5. PRISM NOT TO BE USED FOR OPTICAL PURPOSES.
 6. INSPECTION POLISH ALL FACES EXCEPT SURFACE 'S1'. SURFACE 'S1' TO BE 20 TO 50Ra RANGE, WITH FINEGRIND, MINIMAL CHIP APPEARANCE.
 7. STRADDLE ☉ WITHIN 0.1mm T. I. R (TOTAL INDICATED RUNOUT) FEATURE "A".
 8. IDENTICAL GROOVES TO LOCATE AND SEPARATE TWO (SPRING STEEL) WIRES.
 9. PLEASE USE LASER ABLATION TO CREATE GROOVES. A HIGH SURFACE QUALITY IS REQUIRED ON THE INTERNAL SURFACES OF THE GROOVES AND IN THE GENERAL VICINITY OF THE GROOVES.

Unless otherwise specified:
 All dimensions are in millimeters (mm).
 Tolerances: JIS B 0419-mH
 Machining finish: INSPECTION POLISH
 Edge breaks: 0.2x45°

Project		KAGRA	
Material		Sapphire	
Source		wire_breaker_prism_v2_5mm.ipt	
FINISH		Title	
		wire breaker prism 5mm	
Designed		NAME	DATE
fabian			
Drawn		hirata	2015/10/08
Checked			
Approved			
Drawing No.		Rev.	
JGW-D1604796		1	
THIRD ANGLE PROJECTION		Scale	
		5 : 1	
National Astronomical Observatory of Japan			A3
National Astronomical Observatory of Japan			1 / 1