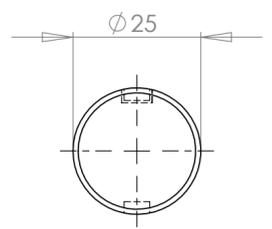
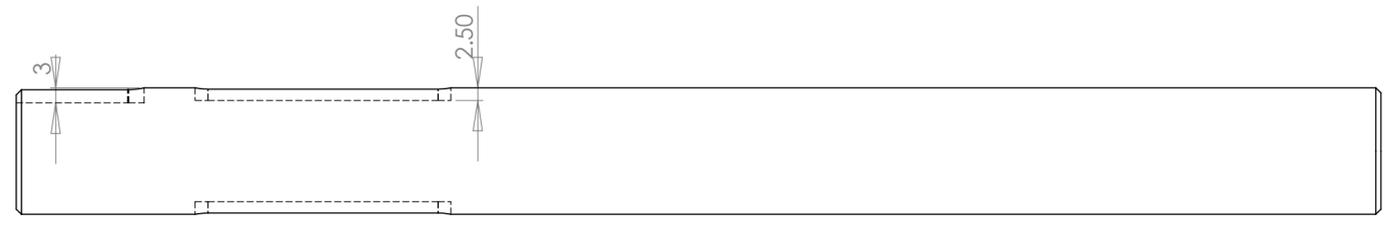


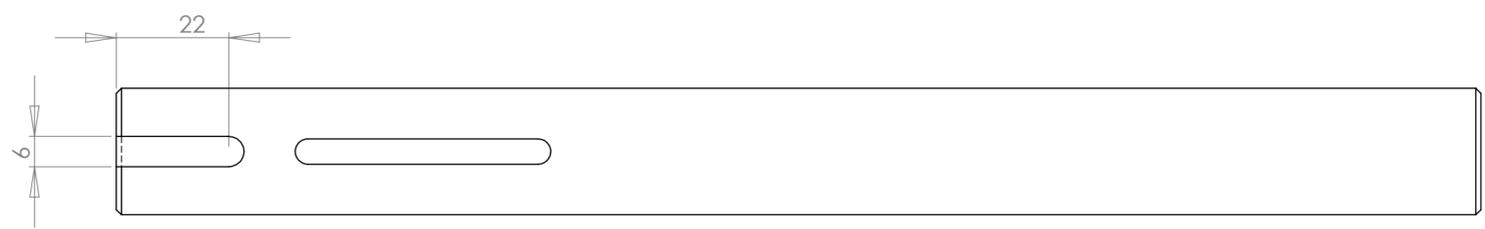
TOP VIEW



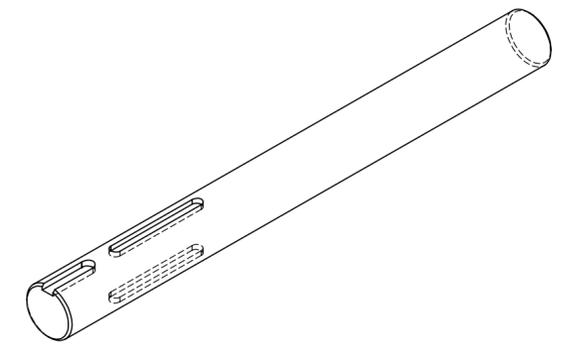
END VIEW



SIDE VIEW



BOTTOM VIEW



THE GENERATOR ROTOR SHAFT ACTS AS BOTH THE ROTOR SHAFT FOR THE GENERATOR AND ALSO THE CONTROL SHAFT FOR THE CENTRIFUGAL BRAKE. THE CENTRIFUGAL IS DRIVEN BY THE GENERATOR SHAFT ON THE INPUT SIDE AND IS COUPLED VIA 2 5mm KEYWAYS. THE ENTIRE SHAFT IS COUPLED TO THE PUTPUT SHAFT OF THE GEARBOX USING A SLEEVE WITH A 6mm KEY WAY BROACHED ON ITS INSIDE DIAMETER. THE RECIPROCATING KEY WAY IS MACHINED INTO THE FRONT END OF THE SHAFT AND ACTS AS THE COUPLING POINT.

**PROPRIETARY AND CONFIDENTIAL**  
 THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF JOSUA KIRSCH. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF JOSUA KIRSCH IS PROHIBITED.

UNIVERSITY OF SOUTHERN QUEENSLAN		UNLESS OTHERWISE SPECIFIED:		NAME	DATE	KH3- 500 WIND TURBINE	
		DIMENSIONS ARE IN INCHES		DRAWN	J.KIRSCH	6/10/09	TITLE: <b>GENERATOR ROTOR SHAFT</b>
		TOLERANCES:		CHECKED			
		FRACTIONAL ±		ENG APPR.			
		ANGULAR: MACH ±		MFG APPR.			SIZE DWG. NO. REV
		TWO PLACE DECIMAL ±		Q.A.			<b>C</b> 18
		THREE PLACE DECIMAL ±		COMMENTS:			SCALE: 1:1 SHEET 1 OF 1
		INTERPRET GEOMETRIC TOLERANCING PER:					
		MATERIAL					
		FINISH					
NEXT ASSY	USED ON	APPLICATION					
		DO NOT SCALE DRAWING					